



# Post-Graduate Research and Human Resource Development at IARI: 2007-2016

## Volume II



Post Graduate School  
ICAR-Indian Agricultural Research Institute  
New Delhi - 110 012



# IARI: Leaders to inspire the next generation

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## Volume II

### *Editors*

Sunil Pabbi, T.K. Behera, V.K. Baranwal  
K.M. Manjaiah and R.K. Jain



**Post Graduate School**  
**ICAR-Indian Agricultural Research Institute**  
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**त्रिलोचन महापात्र, पीएच.डी.**

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## Foreword



The Indian Agricultural Research Institute (IARI), a centre for academic excellence provides post graduate education in 26 disciplines of agriculture. The education at IARI is based on choice based course credit system integrating research, teaching and extension. The alumni of IARI have helped the nation to usher green revolution followed by self sufficiency in food production and also greatly helped agricultural growth in several nations. IARI received the “deemed university” status by University Grants Commission in 1958 and has always remained a front runner in agriculture education in the country. The Institute has awarded degrees to 3892 M.Sc. and 4694 Ph.D. students till 2016. As per the current notification of Ministry of

Human Resource Development, Govt. of India, IARI has been ranked 23rd in Overall Ranking of the Institutions, 15th among Universities and 1st among Agricultural Universities in India.

Keeping the tradition of the glorious past and to meet the emerging challenges, IARI has always intensified its efforts in agricultural research and education in pursuit of resolving complex issues and providing leadership in agriculture science. I am happy to note that the Institute is bringing out a compilation highlighting the contribution of Post Graduate School in Research and Human Resource Development (Vol. I & II). The publication provides the details of scientific manpower developed, trainings conducted and awards received by the faculty. The publications in peer reviewed journals speak volumes about the quality of research work being carried out at the Institute. I am confident that this publication will not only serve as a record and reference but would be of great value to scientists, students and administrators to motivate them to create new standards in agricultural research, education and human resource development. I appreciate the efforts of Dr. R.K. Jain, Dean & Joint Director (Education), and the co-editors Dr. Sunil Pabbi, Dr. T.K. Behera, Dr. V.K. Baranwal and Dr. K.M. Manjiaiah as well as professors and faculty members who have made valuable contribution to this publication.

New Delhi  
April, 2017

(Trilochan Mohapatra)





## Preface

IARI, originally established in 1905 at Pusa (Bihar), was shifted to New Delhi in 1936 and is the country's premier national Institute for agriculture research, education and extension. IARI continues to be top ranker among agricultural universities of India and provide leadership in human resource development. It continues to be the most sought destination for students and the admission is based on national level entrance examination. In addition foreign students are also admitted regularly. Recognising the importance of agriculture education, the Government of India decided and established two more IARI like institutions in Assam and Jharkhand which started functioning from session 2015-16.

The information related to PG teaching and research programme, publications and human resource development for the years 1996 to 2008 was earlier compiled and published. The present volume entitled, 'Post Graduate Research and Human Resource Development at IARI: 2007-2016' is the next volume in the series. This publication provides information related to students awarded degrees including foreign students, trainings organised, training received by faculty members, awards conferred on faculty members, faculty participation in seminar assignments, list of publications in peer reviewed journals with citations and other related information during this period. We sincerely hope that this publication will not only serve as a valuable information to scientific fraternity but will also motivate young researchers and students in pursuit of excellence.

We are thankful to professors and faculty members of all disciplines of P.G. School, IARI for furnishing information to this publication. We express our sincere gratitude to Dr. Trilochan Mohapatra, Secretary, DARE and Director General ICAR, Dr. N.S. Rathore, DDG (Agriculture Education), ICAR and Director, IARI for their support and guidance in bringing out this volume. We also appreciate the help rendered by all administrative staff of P.G. School, IARI in bringing out this publication.

New Delhi  
April, 2017

**Sunil Pabbi, T.K. Behera, V.K. Baranwal  
K.M. Manjaiah and R.K. Jain**







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**School of  
Natural Resource Management**

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# Agricultural Engineering

D.K. Singh

## Students Awarded Degree

S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
<b>Ph.D. Students</b>					
1.	2007	Edukondalu L.	Study on the production of dehydrated onion flakes using solar dryer	Dr. D.V.K. Samuel	-
2.	2007	Manjunatha M.	Development and evolution of garlic peeler	Dr. D.V.K. Samuel	-
3.	2007	Neelam Patel	Dynamics of moisture and nutrients distribution under subsurface drip irrigation	Dr. T.B.S. Rajput	-
4.	2007	Murtaza Hasan	Fuzzy neuro model for drip irrigation scheduling of greenhouse rose	Dr. D.K. Singh	-
5.	2007	Saroj Kumar Pattanaaik	Monitoring and simulation of water logging and salinity in irrigation command using GIS and remote sensing	Dr. O.P. Singh	-
6.	2007	Satvinder Singh	Decision support system for reclamation and management of salt affected soil	Dr. O.P. Singh	-
7.	2008	Tapan Khura	Design and development of tractor drawn onion digger	Dr. Indra Mani	-
8.	2008	Kamal Kant	Study on design parameter of aqua fertilizer placement with seed drill	Dr. Indra Mani	-
9.	2009	Goraksha Chimaji wakchaure	Study on densification on biomass in briquetting plant for fuel	Dr. Indra Mani	-
10.	2010	Gaikwad Bharkar Bharat	Design and development of plug seedling trans-planter for vegetable crops	Dr. N.P. Sirohi	-
11.	2010	Neelesh Gaikwad Nivrutti	Development and evaluation of weight grading machine for oranges	Dr. D.V.K. Samuel	-
12.	2010	Sunil Shirwal	Studies on design parameters for mechanical harvesting of carrots	Dr. Indra Mani	-
13.	2011	Anilkumar	Modeling of ground water recharge in semi arid region	Dr. D.K. Singh	-
14.	2011	Ch. Jyoti Prava Dash	Modelling nitrate pollution of ground water at IARI farm	Dr. A. Sarangi	-
15.	2011	Ghorban Ghorbani Nasrasad	Soil water and salt distribution under subsurface drip irrigation in cotton	Dr. T.B.S. Rajput	-
16.	2011	Meysam Abedinpour	Evaluation of aqua crop model for maize under different nitrogen and water availability scenarios	Dr. A. Sarangi	-



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
17.	2011	Patil Dattalraya Vishwanath	Studies on design and evaluation of a mechanical hydrogel applicator	Dr. Indra Mani	-
18.	2012	Kamble Janardan Bhima	Impact of climate change on availability and demand of irrigation water	Dr. D.K. Singh	-
19.	2012	Vinod Kumar Tripathi	Water and solute dynamics under micro irrigation with municipal wastewater	Dr. T.B.S. Rajput	-
20.	2012	Mini P.K.	Modeling sea water intrusion for management of coaster aquifer	Dr. D.K. Singh	-
21.	2012	Mohamoad Muzamil	Optimization of design and operational parameters of compost turner cum mixture	Dr. Indra Mani	-
22.	2012	Mukesh Kumar	Dynamics of nutrients movement in soil under fertigation	Dr. T.B.S. Rajput	-
23.	2012	Veerammanavar Raghavendra	Development of aqua fertilized seed drill	Dr. Indra Mani	-
24.	2013	Ghanshyam T. Patle	Modelling of climate induced ground waterlevel fluctuation and carbon footprint of ground water irrigation	Dr. D.K. Singh	-
25.	2013	Paramanand Kumar	Effect of saline irrigation water on root zone salt dynamics and yield of wheat	Dr. A. Sarangi	Jawaharlal Nehru Award for P.G. Outstanding Doctoral Thesis Research
26.	2013	Patil J.P.	Impact of climate change on drought occurrence in western Maharashtra	Dr. A. Sarangi	-
27.	2015	Lande Satish D.	Dynamic stability of tractor-trailer system	Dr. Indra Mani	-
28.	2015	Mali Santosh Sambhaji	Crop water footprint assessment for sustainable agriculture in selected sub-basins of river ganga	Dr. D.K. Singh	-
29.	2015	Manoj Kumar Mahawar	Development of seed priming equipment for selected vegetable seeds	Dr. D.V.K. Samuel	-
30.	2016	Pandirwar Ashutosh Pradeeprao	Design and development of mechanical transplanter for onion seedlings	Dr. Adarsh Kumar	-
31.	2016	Sawant Chetankumar Prakash	Design and development of permanent raised bed seed-cum-fertilizer plot drill	Dr. Adarsh Kumar	-
32.	2016	Mukesh Kumar	Simulation of wheat yield under irrigated saline environment using AquaCrop model	Dr. A. Sarangi	-
33.	2016	Pittala Rajaiah	Design and development of precision planter for paddy direct seeding	Dr. Indra Mani	-
34.	2016	Roaf Ahmad Parray	Development of custom hiring model for appropriate farm machinery use protocol under rice-wheat cropping system	Dr. Indra Mani	-



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
35.	2016	Santosh Pundlik Divekar	Studies on flexible hermetic storage system for paddy	Dr. P.K. Sharma	-
36.	2016	Swagatika Jena	Ergonomic assessment of manual load carrying among women farm workers	Dr. Adarsh Kumar	-
37.	2016	Shiddanagouda Yadachi	Studies on the effects of rotary tillage on soil physical properties and crop response	Dr. Indra Mani	-
38.	2016	Varun Chaturvedi	Modeling and simulation of hand-arm vibration of operator in power tiller operation	Dr. Adarsh Kumar	-
<b>M.Sc./ M.Tech. Students</b>					
1	2007	Yadav Magesh Balkrishna	Pre-treatment for mechanical Oil extraction of mustard	Er. Amar Singh	-
2	2007	Kamble Janardan Bhima	Evaluation of filtration beds for ground water recharge shaft	Dr. A. Sarangi	-
3	2008	Nikam Sangram Subhash	Artificial neural network model for prediction of crop evaporation	Dr. A.K. Mishra	-
4	2008	Potdar Rahul R.	Physiological and postural discomfort of operators in manual rotary power application	Dr. Adarsh Kumar	-
5	2008	Ram Chander Ram	Ergonomic evaluation of tool operated rotary power generation	Dr. Adarsh Kumar	-
6	2008	Satish Devram Lande	Design and development of pressurised aqua-fertilizer metering of a seeder	Dr. Indra Mani	-
7	2009	Balraj K.	Evaporation in drip irrigated vegetable under naturally ventilated playhouse	Dr. T.B.S. Rajput	-
8	2009	Ingle Vishal Kesharao	Modelling of evaporation from bare soil	Dr. A.K. Mishra	-
9	2009	Kale Saknaram Jagan	Development of firmness sensor to access banana fruit ripening during storage	Er. Amar Singh	-
10	2009	Varun Chaturvedi	Development of intervention to reduce vibration transmission to power tiller operator in various field operations	Dr. Adarsh Kumar	-
11	2009	Wani K. Shitija Susash	Effect of pre milling treatments on dhal recovery and cooking quality of green gram	Er. Amar Singh	-
12	2010	Pandirwar Ashutosh Pradeep Rao	Development of agricultural dust protective intervention for farm workers	Dr. Adarsh Kumar	-
13	2010	Vivek Kumar	Modelling of soil water movement for drip irrigation scheduling in cabbage	Dr. Neelam Patel	-
14	2011	Deepak Singh	Use of municipal waste water in cauliflower under micro-irrigation system	Dr. Neelam Patel	-
15	2011	Rajurkar Gajanan Babasaheb	Water in nitrate dynamics under drip fertigated cabbage	Dr. Neelam Patel	Best Student Paper Award by ISAE



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
16	2011	Sawant Chetankumar Prakash	Comparative evaluation of different solar coatings on the efficiency of solar dry for sapota drying	Dr. P.K. Sharma	-
17	2011	Shiddanagouda Yadachi	Study on design parameter of mechanical carrot planter	Dr. Indra Mani	-
18	2011	Sonawane Ashish Vasant	Development of farm pond operation model for irrigation scheduling of horticultural crops	Dr. Murtza Hasan	-
19	2011	Sujeet Desai	Study on potassium dynamics and fertigation scheduling for Kinnow	Dr. Murtza Hasan	-
20	2012	A. Saci Kumar	Design and development of safe enclosure for tractor operator	Dr. Adarsh Kumar	-
21	2012	Jitendra Kumar	Development of sensor based scheduling in micro irrigation system.	Dr. (Ms.) Neelam Patel	-
22	2012	Khambe V. Krishna	Studies on design parameters of mechanical harvesting of garlic	Dr. Dipankar De	-
23	2012	Mohd. Muzzamil	Optimization of design and operational parameters of compost turner-cum-mixer	Dr. Indra Mani	-
24	2012	Pathan Aslam Latif	Development of irrigation and fertilizer application schedule for wheat under deficit water supply situations	Dr. A. Sarangi	-
27	2012	Shyam Nath	Development of appropriate farm power machinery usage model for custom hiring in an irrigated catchment area	Dr. Dipankar De	-
28	2012	Vibhote Sager Duttaraya	Development of water delivery schedule for a canal command using Geospatial tool	Dr. A. Sarangi	-
29	2012	Yadav Rahul Shubhash	Cross-flow thin bed drying characteristics of maize ( <i>Zea Mays. L.</i> ) grain using continuous sample weight measurement	Dr. Ranjan Shrivastava	-
31	2013	Hijan Jiten Singh	Development of multi crop planter for hill agriculture	Dr. Dipankar De	-
32	2013	Jitendra Kumar	Development of sensor based scheduling in micro irrigation system.	Dr. (Ms.) Neelam Patel	-
33	2013	Manmohan Deo	Development of mechanical urea briquette applicator for system of rice intensification technique	Dr. Dipanker De	-
34	2013	Navanath Sakharam Indure	Optimization of pigeon pea hulling process	Dr. J.P. Sinha	-
35	2013	Pawan Jeet	Design of balancing reservoir in canal command for micro irrigation	Dr. Neelam Patel	-
36	2013	Randhe Ravindra Dhondibhau	Comparative evaluation of regulated deficit irrigation and partial root drying on green house tomato	Dr. M. Hasan	-
37	2013	Srikanta Mahato	Impact of rain water harvesting on water resource potential in arvari river catchment	Dr. A.K. Mishra	-





S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
38	2013	Thorat Deepak Sambhaji	Design and development of ridge profile power weeder	Dr. P.K. Sahoo	-
39	2014	Aradwad Pramod Pandurang	Development of Solar Energy Powered Screen Cleaner	Dr. J.P. Sinha	-
40	2014	Jaya Sinha	Ergonomic design modification in intercultural hand tools to make female worker friendly	Dr. J.K. Singh	-
41	2014	Loulina Kumari	Enhancing water use efficiency using different colour plastic mulches of drip fertigation capsicum under green hours	Dr. Murtza Hasan	-
42	2014	Manish Debnath	Design and development of sensor for irrigation system	Dr. Neelam Patel	-
43	2014	Narayan T. Borkar	Design and development of oscillating soil separator for garlic harvester	Dr. P.K. Sahoo	-
44	2014	Pabitra Mohan Barik	Design and development of self propelled garlic planter	Dr. P.K. Sahoo	-
45	2015	Ajita Gupta	Experimental assessment of crop coefficients for judicious irrigation scheduling	Dr. A. Sarangi	IARI Merit Medal
46	2015	Bholuram Gurjar	Design of metering system for variable rate fertilizer applicator	Dr. P.K. Sahoo	
47	2015	Jatoth Veeranna	Development and evaluation of soil moisture sensing system for real time irrigation	Dr. Neelam Patel	1 <sup>st</sup> prize for Oral presentation by ISAE
48	2015	Kumari Chanchala Priya	Ergonomics assessment of upper extremity force application in manual tool	Er. J.K. Singh	-
49	2015	Shekh Mukhtar Mansuri	Development of solar powered evaporative cooled rural storage structure for fruits and vegetables	Dr. P.K. Sharma	-
50	2016	Alka Mishra	Development of solar based pneumatic seed cleaning system	Dr. J.P. Sinha	-
51	2016	Arti Kumari	Study of soil moisture sensors' suitability for irrigation scheduling in a Cole crop at field level	Dr. Neelam Patel	-
52	2016	Hitesh Bijarniya	Design and development of foliar applicator for urea ammonium nitrogen	Dr. Tapan Khura	-
53	2016	Shraddha Ahirwar	Simulation of water uptake by capsicum in soilless media under greenhouse for irrigation scheduling	Dr. M. Hasan	-



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
54	2016	Vaibhav Choudhary	Design and development of ergonomic variable height platform for training and harvesting of tomato crop in greenhouse	Er. J.K. Singh	-
55	2016	Hasan Mirzakhanaifchi	Study on feasibility of soil nitrogen detection using electrical conductivity for site-specific application.	Dr. Indra Mani	-

### Foreign Students Awarded Degree

S. No.	Year	Name of the foreign Student	Thesis Title	Chairperson	Country	Degree
1.	2011	Ghorban Ghorbani Nasrasad	Soil water and salt distribution under subsurface drip irrigation in cotton	Dr. T.B.S. Rajput	Iran	Ph.D.
2.	2011	Meysam Abedinpour	Evaluation of aqua crop model for maize under different nitrogen and water availability scenarios	Dr. A. Sarangi	Iran	Ph.D.
3.	2016	Hasan Mirzakhanaifchi	Study on feasibility of soil nitrogen detection using electrical conductivity for site-specific application	Dr. Indra Mani	Iran	M.Tech.

### Training Courses/Winter/Summer School/Workshop Organized

S. No.	Year	Title of Training Programme	Number of Trainees	Name(s) of the Course Director and Co-ordinators
1.	2007	Motor rewinding	10	Dr. Indra Mani
2.	2007	Micro irrigation	20	Dr. T.B.S. Rajput
3.	2007	Drip irrigation and protected cultivation technology	20	Dr. Murtaza Hasan
4.	2008	Micro irrigation (6 Trainings)	184	Dr. T.B.S. Rajput
5.	2008	Micro irrigation (6 Trainings)	171	Dr. Neelam Patel
6.	2008	ICAR sponsored winter school on "Micro irrigation"	23	Dr. T.B.S. Rajput & Dr. Neelam Patel
7.	2008	Motor winding for entrepreneurs	22	Dr. Indra Mani
8.	2009	Micro irrigation (5 Trainings)	269	Dr. T.B.S. Rajput & Dr. Neelam Patel
9.	2009	Water management in agriculture and modern techniques of irrigation (3 Trainings)	162	Dr. T.B.S. Rajput & Dr. Neelam Patel
10.	2009	Protected cultivation of horticultural crops (2 Trainings)	60	Dr. M. Hasan
11.	2009	Motor winding for entrepreneurs	15	Dr. Indra Mani
12.	2009	Construction and maintenance of low cost greenhouses	40	Dr. N.P.S. Sirohi
13.	2010	Capacity Building Workshop -cum-Training on Use of geospatial tools, models and DSS in enhancing productivity of irrigated saline environment	15	Dr. A. Sarangi Dr. D.K. Singh



S. No.	Year	Title of Training Programme	Number of Trainees	Name(s) of the Course Director and Co-ordinators
14.	2013	NAIP Training on “Project formulation, risk assessment, scientific report writing and presentation” (6 Trainings)	110	Dr. Dipankar De and Dr. P.K. Sahoo
15.	2012	Winter School on advances in micro irrigation and fertigation	25	Dr. Murtaza Hasan
16.	2012	14 days National training program on “Sensor based application for enhancing water use efficiency for wireless irrigation and fertigation control”	23	Dr. T.B.S. Rajput and Dr. Neelam Patel
17.	2012	Motor Winding for Entrepreneurs	10	Dr. Indra Mani
18.	2012	Protected Cultivation Technology	75	Dr. Murtaza Hasan
19.	2014	Design and Maintenance of Protected Structures	30	Dr. Murtaza Hasan
20.	2014	Production Technologies for Protected Cultivation	30	Dr. Murtaza Hasan
21.	2014	Design, maintenance and Protected Cultivation Technology	25	Dr. Murtaza Hasan
22.	2014	Fertigation and Protected Cultivation	36	Dr. Murtaza Hasan
23.	2015	Sensor based application for enhancing input use efficiency by wireless irrigation and fertigation control	14	Dr. T.B.S. Rajput, Dr. P.K. Sahoo and Dr. Neelam Patel
24.	2015	Grand challenges before Indian agriculture- engineering solutions	41	Dr. Indra Mani
25.	2015	Short term training on “Project Formulation, Risk Assessment, Scientific Report Writing and Presentation” (2 Trainings)	47	Dr. P.K. Sahoo
26.	2016	Model Training Course on “Improved Agricultural Engineering Technologies for Higher Productivity”	18	Dr. S.P. Singh, Dr. M.K. Singh and Er. Mukesh Singh

### Training Received by the Faculty Members

S. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
1.	2007	Dr. M. Hasan	Spatial and Non-Spatial information management and mining in Agriculture	3 weeks	IASRI, New Delhi
2.	2007	H.L. Kushwaha	Training cum exposure under Indo-US Norman E. Borlaug International Agricultural Science & Technology Fellow Program	6 weeks	USA
3.	2007	Dr. D.K. Singh	Prashikshan in Hindi Karyashala organized by Bhartiya Krishi Anusandhan Sansthan	2 days	IARI, New Delhi
4.	2009	Dr. A. Sarangi	Use of DSS, geospatial tools and models in water resources management	3 weeks	Texas A&M Univ., United States of America
5.	2009	Dr. Indra Mani	Training on Testing of agricultural Machinery	4 days	CIAE Bhopal



S. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
6.	2009	Dr. P.K. Sahoo	National Training on Remote Sensing and GIS	3 months	ISRO Dehradun and IARI, New Delhi
7.	2009	Dr. Indra Mani	Training on sensor based application for enhancing input use efficiency by wireless irrigation and fertigation control	2 weeks	WTC, IARI
8.	2009	Dr. P.K. Sahoo	Management Development Programme	1 week	IIM Lucknow
9.	2010	Dr. Indra Mani	Training on open access in Indian agriculture	2 days	ICRISAT, Hyderabad
10.	2010	Dr. P.K. Sahoo	International Training on Application of Sensors including Bio-indicators	3 months	Department of Biological and Agricultural Engineering, University of California, Davis USA
11.	2010	H.L. Kushwaha	Advances in biomass utilization for electricity generation	3 weeks	CIAE, Bhopal
12.	2010	Dr. Indra Mani	Concept note writing and project development	2 days	Div. of Agricultural Extension IARI, New Delhi
13.	2011	Dr. Indra Mani	Training on writing of research project proposals	2 days	Div. of Agricultural Extension IARI, New Delhi
14.	2012	Dr. M. Hasan	Advances in fertigation for protected cultivation	4 weeks	Novadase Agricolas
15.	2012	Dr. M. Hasan	Management Development Program MDP	4 days	IIM Lucknow
16.	2013	Dr. Neelam Patel	Advanced course on Plastics in Agriculture – innovations and applications under Indo Israel Agriculture Action Plan Phase II (2012-2015)	21 days	CINADCO, MASHAV, Israel
17.	2015	Dr. H.L. Kushwaha	CAD/CAM in manufacturing of Agricultural Equipment	2 week days	CIAE, Bhopal
18.	2016	Dr. H.L. Kushwaha	Testing & Evaluation of Farm Machinery	2 days	NRFMTTI, Hissar
19.	2016	Dr. H.L. Kushwaha	2 <sup>nd</sup> SERB School on Robotics	6 days	IIT Chennai

### Awards Conferred on the Faculty Members

S. No.	Year	Name of the Faculty Member	Name of Award Received	Institution which Gave the Award
1.	2007	Dr. N.P.S. Sirohi	Fellow	Indian Society of Agricultural Engineers



S. No.	Year	Name of the Faculty Member	Name of Award Received	Institution which Gave the Award
2.	2007	Dr. D.V.K. Samuel	Commendation Medal	Indian Society of Agricultural Engineers
3.	2007	Dr. Neelam Patel	FAI Golden Jubilee Award for best doctoral thesis work on fertilizer use	Fertilizer Association of India, New Delhi
4.	2007	Dr. H.L. Kushawaha	Norman E. Borlaug International Agricultural Science & Technology Fellow Program	Indo-US Agricultural Knowledge Initiative (AKI)
6.	2007	Dr. D.K. Singh	Indian Society of Remote Sensing (Vol. 35(2): 121-128 in 2007)	Indian Society of Remote Sensing
7.	2008	Dr. D.V.K. Samuel	Fellow	Indian Society of Agricultural Engineers
8.	2009	Dr. T.B.S. Rajput	Best Teacher Award-2008	Indian Agricultural Research Institute, New Delhi
9.	2009	Dr. D.V.K. Samuel	Outstanding Book Award	Indian Society of Agricultural Engineers
10.	2009	Dr. H.L. Kushwaha	Arya Bhatt Samman	Swadeshi Science Movement of India
11.	2009	Dr. H.L. Kushwaha	Best Poster Award (1st Prize)	CAZRI, Jodhpur
12.	2010	Dr. D.K. Singh	Best Teacher Award-2009	Indian Agricultural Research Institute, New Delhi
13.	2010	Dr. P.K. Sahoo	Best Oral Presentation	Animal Nutrition Association
14.	2010	Dr. H.L. Kushawaha	Team Award	Indian Society of Agricultural Engineering, ISAE, New Delhi
15.	2011	Dr. H.L. Kushawaha	Best Research Paper	CAZRI, Jodhpur
16.	2012	Dr. D.K. Singh	“Commendation Medal-2010” for outstanding contribution in the field Soil and Water Conservation Engineering	Indian Society of Agricultural Engineers
17.	2010	Dr. D.K. Singh	Best Poster Award	Indian Society of Agricultural Engineers
18.	2010	Dr. H.L. Kushwaha	Team Award, Indian Society of Agricultural Engineering, ISAE, New Delhi	Indian Society of Agricultural Engineers
19.	2010	Dr. Indra Mani	Ground water augmentation Award, Ministry of Water Resources, Govt. of India	Ministry of Water Resources, Govt. of India
20.	2010	Dr. Indra Mani	Outstanding Book Award, ISAE	Indian Society of Agricultural Engineers
21.	2010	Dr. Indra Mani	Best Paper Award, ISAE	Indian Society of Agricultural Engineers
22.	2010	Dr. Adarsh Kumar	Best Poster Award	Indian Society of Agricultural Engineers
23.	2010	J.K. Singh	Best Poster Award	Indian Society of Agricultural Engineers



S. No.	Year	Name of the Faculty Member	Name of Award Received	Institution which Gave the Award
24.	2010	Dr. Indra Mani	Prize for writing and recitation of Hindi Poem during Hindi Maas	Indian Agricultural Research Institute, New Delhi
25.	2010	Dr. Neelam Patel	Ram Nath Singh Award, IARI	Indian Agricultural Research Institute
26.	2011	Dr. T.B.S. Rajput	Bharat Ratna Dr C. Subramaniam Best Teacher Award of ICAR	Indian Council of Agricultural research
27.	2011	Dr. H.L. Kushwaha	Foundation day Award For Best Research Paper, CAZRI foundation day	Central Arid Zone Research Institute, Jodhpur
28.	2012	Dr. Murtaza Hasan	Award for Out Standing speaker in Drip Technology at the National Seminar on Protected Cultivation	GBPUAT, Pant Nagar
29.	2012	Dr. Indra Mani	Fellow, Indian Society of Agricultural Engineers	Indian Society of Agricultural Engineers
30.	2012	Dr. S. Sarangi	Shankar Memorial Award for significant contribution in the field of Soil and Water Conservation Engineering	Indian Society of Agricultural Engineers
31.	2012	Er. J.K. Singh	Team Award 2012 Indian Society of Agricultural Engineers	Indian Society of Agricultural Engineers
32.	2012	Dr. Adarsh Kumar	Team Award 2012 Indian Society of Agricultural Engineers	Indian Society of Agricultural Engineers
33.	2012	Dr. Indra Mani	Bharat Ratna Dr C. Subramaniam Best Teacher Award of ICAR	Indian Council of Agricultural Research
34.	2013	Dr. D.K. Singh	Best Paper Award of ISAE- JAE Best Paper Award-2013 (Soil and water Engineering)	Indian Society of Agricultural Engineers
35.	2013	Dr. H.L. Kushwaha	Distinguished Service Certificate, Indian Society of Agricultural Engineering	Indian Society of Agricultural Engineers
36.	2014	Dr. A. Sarangi	Best Teacher Award	Indian Agricultural Research Institute, New Delhi
37.	2014	Dr. Indra Mani	JAE Best Paper Award-2014	Indian Society of Agricultural Engineers
38.	2014	Dr. P.K. Sahoo	JAE Best Paper Award-2014	Indian Society of Agricultural Engineers
39.	2014	Dr. Satish Lande Devram	JAE Best Paper Award-2014	Indian Society of Agricultural Engineers
40.	2014	Dr. Adarsh Kumar	JAE Best Paper Award-2014	Indian Society of Agricultural Engineers
41.	2014	Dr.(Ms.) Neelam Patel	Outstanding Book Award-2014	Indian Society of Agricultural Engineering
42.	2015	Dr. P.K. Sahoo	Commendation Medal-2015	Indian Society of Agricultural Engineers
43.	2015	Dr.(Ms.) Neelam Patel	Gold Medal 2015	Soil Conservation Society of India



S. No.	Year	Name of the Faculty Member	Name of Award Received	Institution which Gave the Award
44.	2015	Dr.(Ms.) Neelam Patel	Panjab Rao Deshmukh Outstanding Woman Scientist Award	ICAR
45.	2016	Dr. A. Sarangi	Fellow, National Academy of Agricultural Sciences (NAAS)	National Academy of Agricultural Sciences (NAAS), India
46.	2016	Dr. P.K. sahoo	K.C. Das Memorial Award	The Institution of Engineers (India) Odisha State Centre

### Faculty Participation in International Conference/Seminar/Assignments

S. No.	Year	Name of the Faculty	Name of the International Conference/Seminar/Assignments	Duration	Places Visited
1.	2007	Dr. D.K. Singh	Tenth International Conference on “Water and Environment (ENVIROWAT-2007)” organized by Indian Society of Water Management in collaboration with Indian Society of Agricultural Engineers and International Commission on Agricultural Engineering. New Delhi	October 17-20, 2007	New Delhi
2.	2007	Dr. Murtaza Hasan	International Conference and exhibition, 8 <sup>th</sup> Water Asia	September 13-15	New Delhi
3.	2007	Dr. T.B.S. Rajput Dr. Neelam Patel	6 <sup>th</sup> International R-D Conference of CBIP	February 12-15	Bangalore
4.	2007	Dr. Neelam Patel	6 <sup>th</sup> International R-D Conference of CBIP	February 12-15	Bangalore
5.	2007	Dr. T.B.S. Rajput	10 <sup>th</sup> International Conference on Water and Environment (ENVIROWAT-2007)	October 17-20	New Delhi
6.	2007	H.L. Kushwaha	International Conference on Bio fuel	3 days	Philadelphia, US
7.	2007	Dr. Indra Mani	10 <sup>th</sup> International Conference on Water and Environment (ENVIROWAT-2007)	October 17-20	New Delhi
8.	2007	Dr. Neelam Patel	10 <sup>th</sup> International Conference on Water and Environment (ENVIROWAT-2007)	October 17-20	New Delhi
9.	2009	Dr. P.K. Sahoo	4 <sup>th</sup> World Congress on Conservation Agriculture “Innovations for improving efficiency, equity and environment”	February 4-7	New Delhi
10.	2009	Dr. P.K. Sahoo	ANA World Conference on “Animal nutrition-preparedness to combat challenges”	December 17-19	New Delhi
11.	2009	Dr. P.K. Sahoo	International Conference on “Food security and environmental sustainability”	December 17-19	Kharagpur
12.	2009	Dr. D.K. Singh	International Workshop on “Water Quality Research to Evaluate the Effects of Agricultural Conservation Practices Utilized in the United States and India organized by AAI and USDA	September 7-8	Allahabad



S. No.	Year	Name of the Faculty	Name of the International Conference/Seminar/Assignments	Duration	Places Visited
13.	2011	Dr. D.K. Singh	International Workshop on “Adaptation and Mitigation Options for Tackling the Impact of Climate Change on Water Resources” organized by ITM University and UNESCO	March 14-15	Gurgaon
14.	2011	Dr. M. Hasan	Vth World Aqua Congress	November 16-18, 2011	New Delhi
15.	2011	Dr. D.K. Singh	Annual Convention and International Symposium on Water for Agriculture organized by Indian Society of Agricultural Engineers (ISAE)	January 17-19	Nagpur
16.	2012	Dr. D.K. Singh	International Workshop on “Understanding Water-Energy-GHG Nexus for Future Water and Food Security” organised by Indian Society of Water Management and the University of Melbourne, Australia Sponsored by Australia-India Institute	September 27-28	New Delhi
17.	2012	Dr. D.K. Singh	Annual convention and International Symposium on Grain Storage organized by Indian Society of Agricultural Engineers (ISAE) Pantnagar	February 27-29, 2012	Pantnagar
18.	2012	Dr. M. Hasan	Ist Biennial International Congress on Urban Green Spaces	5-7 March 2012	New Delhi
19.	2012	Dr. M. Hasan	Global Agri Connect	November 2-4, 2012	New Delhi
20.	2012	Dr. M. Hasan	International Nursery, Horti and Landscape expo	December 13-15, 2012	New Delhi
21.	2012	Dr. P.K. Sahoo	Third International Agronomy Congress on “Agriculture diversification, climate change management and livelihoods”	November, 26-30	New Delhi
22.	2013	Dr. D.K. Singh	Annual Convention and International Symposium on “Bio-Energy – Challenges and Opportunities” organized by Indian Society of Agricultural Engineers (ISAE)	January 28-30, 2013	Hyderabad
23.	2014	Dr. D.K. Singh	Round-table discussion on “India-Russia Cooperation in Innovation and Technology with the Skolkovo Foundation and a High Level Russian Delegation to India	September 26, 2014	New Delhi
24.	2015	Dr. D.K. Singh	International Conference on “Extension Research Interface-Promoting Exploitable Rice Varieties and Evolving a Sustainable Development Model” organized by Voluntary Action for Research Development and Networking (VARDAN) and ICAR-IARI, New Delhi	October 16-18	New Delhi





S. No.	Year	Name of the Faculty	Name of the International Conference/Seminar/Assignments	Duration	Places Visited
25.	2015	Dr. M. Hasan	Second International conference on bio resource and stress management	January 7-10, 2015	Hyderabad
26.	2015	Dr. Indra Mani	Exposure to research facilities related to precision agriculture, environment and energy, robotics and appropriate scale mechanization in school of agriculture Kyoto University, Kyoto, Japan	December 1-10	Kyoto, Japan
27.	2016	H.L. Kushwaha	10th international Conference on controlled Atmosphere and fumigation in stored product	6 days	New Delhi
28.	2016	Dr. Indra Mani	ASABE Global food security conference	October 24-29	Stellene-bosch, South Africa
29.	2016	Dr. Indra Mani	Annual symposium (14-17 September) of TATA – MIT centre	September 14-23	MIT Cambridge USA

#### Other Recognitions Achieved by Faculty

S. No.	Year	Name of the Faculty Member	Name of the Organisation/Society Conferring Award	Nature/Description of the Award
1.	2007	Dr. Indra Mani	Planning commission, GOI	Special invitee for discussion on administrative reforms 11th Five Year Plan (Group Chairman Dr. P. Singh)
2.	2007	Dr. Indra Mani	National Innovation Foundation (NIF), Ahemadabad	Evaluator of rural technologies developed by individual innovator for Life time achievement award (Rs. one lakh) to an individual innovator
3.	2008	Dr. D.K. Singh	Indian Council of Agricultural Research	Member of the committee constituted to review and revise the existing “Rules and guidelines for training, consultancy, contract research and contract services in ICAR system, 1997”
4.	2009	Dr. Indra Mani	NAAS	Writing chapter for NAAS publication-state of Indian Agriculture
5.	2009	Dr. D.K. Singh	AAI and USDA	Member of the Steering Committee and invited speaker in “International Workshop on Water Quality Research to Evaluate the Effects of Agricultural Conservation Practices Utilized in the United States and India”, organized by AAI and USDA
6.	2010	Dr. A. Sarangi	Indian Society of Agricultural Engineers	Member of editorial board of AET and JAE
7.	2010	Dr. D.K. Singh	Agricultural Scientist Recruitment Board	Appointed adviser by the Chairman, Agricultural Scientist Recruitment Board (ASRB) for screening applications



S. No.	Year	Name of the Faculty Member	Name of the Organisation/ Society Conferring Award	Nature/Description of the Award
8.	2014	Dr. Indra Mani	ICAR, India	Member, Institute management committee (IMC), IVRI, Varanasi
9.	2010	Dr. Indra Mani	ISAE	Secretary General, ISAE
10.	2010	Dr. D.K. Singh	Indian Society of Agricultural Engineers	Member of the Organizing Committee and Chairman of the Accommodation Committee for organizing the 44th ISAE Annual Convention and Symposium on “Engineering Interventions for Food Security” organised by Indian society of Agricultural engineers
11.	2011	Dr. D.K. Singh	ITM University, Gurgaon and UNESCO	Resource expert and invited speaker to deliver key note lecture, International Workshop on Adaptation and Mitigation Options for Tackling the Impact of Climate Change on Water Resources” organized by ITM University and UNESCO, Gurgaon
12.	2011	Dr. D.K. Singh	Department of Science and Technology, Government of India	Member of Indian expert panel constituted by Department of Science and Technology, Government of India for the evaluation of Joint Projects under Grand Challenge Components of Australia- India Strategic Research Fund during 2011
13.	2012	Dr. D.K. Singh	Indian Society of Agricultural Engineers	Associate Editor, Journal of Agricultural Engineering
14.	2012	Dr. A. Sarangi	Indian Society of Agricultural Engineers	Director (E-services) of ISAE, India (2012-2014)
15.	2012	Dr. D.K. Singh	Indian Society of Water Management and the University of Melbourne, Australia, sponsored by Australia-India Institute	Member of the Organizing Committee of International Workshop on “Understanding Water-Energy-GHG Nexus for Future Water and Food Security”, Indian Society of Water Management and the University of Melbourne, Australia, sponsored by Australia-India Institute
16.	2014	Dr. Indra Mani	ICAR	To start PG education programme in Agricultural Engineering (AE) at CIAE, Bhopal and CSWCR &TI, Dehradun. Played key role as professor Agril Engg.
17.	2014	Dr. (Ms.) Neelam Patel	Soil Conservation Society of India	Leadership award-2014



S. No.	Year	Name of the Faculty Member	Name of the Organisation/ Society Conferring Award	Nature/Description of the Award
18.	2014	Dr. D.K. Singh	Engineering Council of India (ECI), New Delhi	Keynote speaker during 12th National Conferences organized by Engineering Council of India (ECI)
19.	2014	Dr. D.K. Singh	CCS HAU, Hisar	Expert Member, Assessment Committee to evaluate/assess the work of the teachers for promotion as Professor/equivalent under the Career Advancement Scheme
20.	2015	Dr. A. Sarangi	IAH at CWC	Invited Lead speaker in the Symposium on Hydrology, CWC, Delhi, India
21.	2015	Dr. (Ms.) Neelam Patel	PJTSAU, Hyderabad	Best oral paper presentation award
22.	2015	Dr. A. Sarangi	NIH, Roorkee	Lead speaker in the workshop on “WEAP model applications in watershed management” organized by NIH, Roorkee
23.	2015	Dr. D.K. Singh	CCS HAU, Hisar	Expert- Member of the Assessment Committee to evaluate/assess the work of the teachers for promotion as Professor/equivalent under the Career Advancement Scheme
24.	2016	Dr. D.K. Singh	Ministry of Human Resource Development, Government of India	Member-Expert for the selection candidates for the award of New Zealand Commonwealth Scholarship
25.	2016	Dr. D.K. Singh	International Food Policy Research Institute (IFPRI) & Rajendra Agricultural University	Invited Speaker during workshop on “Constraints for small holders for farm mechanization in Bihar” held in Patna International Food Policy Research Institute & Rajendra Agricultural University, Bihar
26.	2016	Dr. D.K. Singh	Department of Agriculture, Ministry of Agriculture, Government of India	Coordinator for session on “Pradhan Mantri Krishi Sinchai Yojana (PMKSY)” organized for the benefit of farmers and end users during Krishi Unnati- Mela “National Agricultural Fair”
27.	2016	Dr. Indra Mani	International Food Policy Research Institute (IFPRI) & Rajendra Agricultural University	Invited Speaker during workshop on “Constraints for small holders for farm mechanization in Bihar” held in Patna International Food Policy Research Institute & Rajendra Agricultural University, Bihar



## List of Publications Faculty and Students

S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
1.	Ajdary Khalil, D.K. Singh, A.K. Singh and Manoj Khanna	2007	Modelling of nitrogen leaching from experimental onion field under drip fertigation	<i>Agricultural Water Management</i> 89: 15-28	8.29	87
2.	Mane, M.S., D.K. Singh, A.K. Singh and A.K. Bhattacharya	2007	Development of GIS interface Con2grid for groundwater model	<i>Current Science</i> 92(9): 1297-1302	6.93	2
3.	Pattanaik, S.K., O.P. Singh, D.K. Singh and R.N. Sahoo	2007	Prediction of waterlogging using digital elevation model and GIS	<i>Journal of Agricultural Engineering</i> 44(2): 116-120	4.27	-
4.	Rao, B.K., D.K. Singh and K.K. Satapathy	2007	Investigation on initial abstraction as a percentage of potential maximum retention in the USDA-SCS curve number method	<i>Indian Journal of Hill Farming</i> 20(1&2): 68-75	2.86	-
5.	Dey, Asit, Mani, Indra and J.S. Panwar	2007	Aqua ferti seed drill for dryland areas	<i>AMA</i> 38(4): 88	6.01	-
6.	Sarang, A. Singh, D.K. and Singh, A.K.	2007	Development of a geomorphology based model for prediction of surface runoff from ungauged watersheds	<i>Journal of Agricultural Engineering</i> 44(4): 23-30	4.27	2
7.	Gaikwad B.B., N.P.S. Sirohi and Adarsh Kumar	2007	Studies on vacuum singulation of seeds for sowing nursery plug trays	<i>Journal of Agricultural Engineering</i> 44(4): 54-59	4.27	-
8.	Mani Indra, Kumar Pradeep and Panwar, J.S.	2007	A study on domestic energy simulations at different altitudes of Himachal Pradesh	<i>Journal of Agricultural Engineering</i> 44(2): 34-38	4.27	1
9.	Mani Indra, Kumar Pradeep, Panwar, J.S. and Kant Kamal	2007	Variation in energy consumption for crop production with varying altitudes in hilly regions	<i>Energy</i> 32(12): 2336-2339	10.84	48
10.	Wakchaure, G.C. and Sharma, P.K.	2007	Physical quality of some biomass briquettes	<i>Journal of Agricultural Engineering</i> 44(1): 48-52	4.27	5
11.	Yadav, B.K., Mani, Indra and Panwar, J.S.	2007	Design of tool carrier for tillage studies of disc in field conditions	<i>AMA -Japan</i> 38(2): 29-30	6.01	1
12.	Etawil Mohd. A.M.A. and Samuel, D.V.K.	2007	Vapour compression-cooling system powered by solar PV array for potato storage	<i>International: CIGR E. Journal No. 12 IX: 1-23</i>	2.75	12



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
13.	Ravibabu, R., T.B.S. Rajput, Bhattacharya, A.K. and P. Mishra	2007	Recycling infiltrometer for evaluation of infiltration characteristics of soil under furrow irrigation	<i>Indian Journal of Soil Conservation</i> 35(3): 257-259	4.90	-
14.	Singh, D.K. and T.B.S. Rajput	2007	Response of lateral placement depths of subsurface drip irrigation on okra ( <i>Abelmoschus esculentus</i> )	<i>International Journal of Plant Production</i> 1: 73-84	6.77	22
15.	Kushwaha H.L. and Srivastava A.P.	2007	Physical properties of okra seed	<i>Journal of Agricultural Engineering</i> 44(1): 88-91	4.27	-
16.	Sarangi, A., C.A. Madramootoo, P. Enright and S.O. Prasher	2007	Evaluation of three unit hydrograph models to predict the surface runoff from a canadian watershed	<i>Water Resource Management</i> 21(7): 1127-1143	8.60	23
17.	Kumar, A, Sarangi, A., Singh, O.P., Sahoo, R.N. and Singh, A.K.	2007	Spatial modelling of soil salinity for impact assessment of subsurface drainage system	<i>Journal of Agricultural Engineering</i> 44(4): 1-7	4.27	1
18.	Singh H., Singh A.K., Kushwaha H.L. and Singh A.	2007	Energy consumption pattern of wheat production in India	<i>Energy</i> 32(10): 1848-1854	10.84	72
19.	Singh H. and Kushwaha H.L.	2007	Development of seed drill for sowing on furrow slants to increase the productivity and sustainability of arid crops	<i>Biosystems Engineering</i> 98(2): 176-184	7.62	2
20.	Dash J., Bhattacharya, A.K. Sarangi, A. and Singh, A.K.	2007	Salt uptake by <i>Acacia biflora</i> saplings from saline root zone	<i>Journal of Agricultural Engineering</i> 44(2): 93-98	4.27	1
21.	Sarangi, A., Singh, D.K. and Singh, A.K.	2008	Evaluation of curve number and geomorphology based models for surface runoff prediction from ungauged watersheds	<i>Current Science</i> 94(12): 1620-1626	6.93	7
22.	Gaikwad B.B. and N.P.S. Sirohi	2008	Design of a low-cost pneumatic seeder for nursery plug trays	<i>Biosystems Engineering</i> 99: 322-329	7.62	53
23.	Patel, Neelam and T.B.S. Rajput	2008	Dynamics and modeling of soil water under subsurface drip irrigated onion	<i>Agricultural Water Management</i> 95: 1335-1349	8.29	68



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
24.	Sirohi, N.P.S. Gupta, P. and Mani, Indra	2008	Development of air-assisted hydraulic sprayer for vegetable crops	<i>Institution of Engineers (I) Journal-Ag.</i> 89: 18-22		6
25.	Hasan, M., D.K. Singh, N.P.S. Sirohi and A.K. Singh	2008	Effect of drip irrigation scheduling on yield of rose grown in green house	<i>Journal of Agricultural Engineering</i> 45(1): 77-80	4.27	-
26.	Mane, M.S., D.K. Singh, A.K. Bhattacharya and A.K. Singh	2008	Assessment of groundwater potential for irrigation	<i>International Journal of Agricultural Engineering</i> 1(2): 74-80	4.27	-
27.	Satpute, Sanjay T. Man Singh, S.S. Parihar, Manoj Khanna, D.K. Singh and Subodh Joshi	2008	Response of Garlic ( <i>Allium sativum</i> L.) to different crop geometry under microirrigation regimes	<i>Journal of Water Management</i> 16(1): 22-27	3.38	-
28.	Koley, T.K., Asrey, Ram and Samuel, D.V.K.	2008	Effect of sanitizer and storage environment on shelf-life and quality of pointed gourd ( <i>Trichosanthes dioica</i> )	<i>Indian J. Agric. Sci.</i> 78(2): 170-174	6.14	1
29.	Manjunatha, M. Samuel, D.V.K. and Jha, S.K.	2008	Some Engineering Properties of Garlic	<i>J. Agril. Engg.</i> 45(2): 8-23	4.27	-
30.	Sethi, S., Samuel D.V.K. and Lal, K.	2008	Interrelationship between cooking time and some physico-chemical characteristics in pigeon pea ( <i>Cajanus cajan</i> ) genotypes	<i>J. Agric. Engg.</i> 45: 62-65	4.27	-
31.	Adarsh Kumar, J.K. Singh, Dinesh Mohan and Mathew Varghese	2008	Farm hand tools injuries: A case study from Northern India	<i>Safety Science</i> 46: 54-65		25
32.	S.K. Jha, Amar Singh and Adarsh Kumar	2008	Physical Characteristics of Compressed Cotton Stalks	<i>Bio-System Engineering</i> 99(2): 205-210	7.62	16
33.	S.K. Jha, Amar Singh, Adarsh Kumar and J.S. Panwar	2008	Development of high capacity fodder densification machine	<i>Agricultural Mechanisation in Asia, Africa and Latin America</i> 39(3): 33-36	6.01	-
34.	Singh, O, Sarangi, A. and Sharma, M.P.	2008	Hypsometric integral estimation methods and its relevance on erosion status of north-western lesser himalayan watersheds	<i>Water Resource Management</i> 22(11): 1545-1560	8.60	54



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
35.	Singh, O, Sharma, M.C, Sarangi, A. and Singh. P.	2008	Spatial and temporal variability of sediment and dissolved loads from two alpine watersheds of the Lesser Himalayas	<i>Catena</i> 76(1): 27-35	8.82	9
36.	Chandrasekharan, H., Sarangi, A., Nagarajan, M., Singh, V.P., Rao, D.U.M, Stalin, P., Natarajan, K., Chandrasekharan, B. and S. Anbazhagan	2008	Variability of Soil Water Quality due to Tsunami 2004 in Coastal Belt of Nagapattinam District, Tamilnadu	<i>Journal of Environmental Management</i> 89(1): 63-72	8.72	47
37.	Patil, J.P., Sarangi, A., Singh, O.P. and Singh, A.K.	2008	Development of a GIS interface for estimation of runoff from watersheds	<i>Water Resource Management</i> 22(9): 1221-1239	8.60	36
38.	Patil, J.P., Sarangi, A. Singh, A.K. and Ahmed T.	2008	Evaluation of modified CN methods for watershed runoff estimation using a GIS based interface	<i>Biosystems Engineering</i> 100(1): 137-146	7.62	28
39.	Patel, Neelam and T.B.S. Rajput	2009	Effect of subsurface drip irrigation on onion yield	<i>Irrigation Science</i> 27(2): 97-108	8.06	18
40.	Adarsh Kumar, Gaikwad Bhaskar, J.K. Singh	2009	Assessment of controls layout of Indian tractors	<i>Applied Ergonomics</i> 91-102: 40	7.14	16
41.	Hasan M., D.K. Singh, A. Sarangi, N.P.S. Sirohi and A.K. Singh	2009	Sensitivity of weather and plant parameters used in fuzzy- neuro model for irrigation scheduling of greenhouse rose	<i>Journal of Water Management</i> 17(1): 1-4	3.38	-
42.	Kambale, J.B., A. Sarangi, D.K. Singh and A.K. Singh	2009	Performance evaluation of filtration unit of groundwater recharge shaft: laboratory study	<i>Current Science</i> 96(4): 471-474	6.93	9
43.	Shirsath, Paresh B., R.K. Sharma, K.K. Nathan, Subedar Singh and D.K. Singh	2009	Hydraulic evaluation of border-check basin method of irrigation	<i>Journal of Soil and Water Conservation</i> 8(2): 25-29	7.60	-
44.	Koley, T.K., Asrey, Ram., Pal, R.K and Samuel, D.V.K.	2009	Shelf-life extension in pointed gourd ( <i>Trichosanthes dioica</i> Roxb.) by post-harvest application of sodium hypochlorite, potassium metabisulphite and carnauba wax	<i>J. Food Sci. Technol.</i> 46(6): 581-584	8.20	5



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
45.	Adhikari, A., Madramootoo, C.A. and Sarangi, A.	2010	Temporal variability of phosphrous flux from pike river watershed to the missiquoi Bay of Quebec, Canada	<i>Current Science</i> 98(1): 59-64	6.93	7
46.	Adarsh Kumar, J.K. Singh and Charanjit Singh	2010.	Ergonomic assessment of a manual fodder cutter	<i>Journal of Agricultural Engineering</i> 47(4): 1-9	4.27	4
47.	Mane, M.S., D.K. Singh, A.K. Singh and A.K. Bhattachary	2010	Conjunctive water use planning using optimization approach	<i>Journal of Indian Water Resources Society</i> 30(4): 1-9	2.47	-
48.	Santra P., Mertia R.S., Kushwaha H.L.	2010	A new wind erosion sampler for monitoring dust storm events in the Indian Thar Desert	<i>Current Science</i> 89(8): 1061-1067	6.93	8
49.	Singh H., Kushwaha H.L., Singh A.K. and Singh Amit	2010	Energy use pattern in production agriculture of arid Western Rajasthan	<i>Annals of Arid Zone</i> 49(1): 53-63	2.62	
50.	Eastman, M., Gollamudi, A., Stamfli, N., Madramootoo, C.A. and Sarangi, A.	2010	Comparative evaluation of phosphorus losses from subsurface and naturally drained agricultural fields in the Pike River watershed of Quebec, Canada	<i>Agricultural Water Management</i> 97(5): 596-604	8.29	38
51.	Nikam, Sangram S., A.K. Mishra, A. Sarangi, Paresh B. Shirsath, D.K. Singh and V. Ramasubramaniam	2010	Artificial neural network models to predict wheat crop evapotranspiration	<i>Journal of Agricultural Engineering</i> 47(2): 20-25	4.27	1
52.	Singh, O., Singh, P., Sarangi, A., Sharma, M.C. and Kumar, S.	2010	Anthropogenic impacts on the sediment flux in two alpine watersheds of the Lesser Himalayas	<i>Current Science</i> 99(5): 608-618	6.93	-
53.	Khura T.K., Indra Mani and Srivastava A.P.	2010	Some engineering properties of onion crop relevant to design of onion digger	<i>Journal of Agricultural Engineering</i> 47(1): 1-8	4.27	4
54.	Dinesh Mohan, Adarsh Kumar and Mathew Varghese	2010	Childhood injuries in rural North India	<i>International Journal of Injury Control and Safety Promotion</i> 17(1): 45-52	-	10
55.	S.K. Patel, M.R Varma and Adarsh Kumar	2010	Agricultural Injuries in Etawah District of Uttar Pradesh	<i>Safety Science</i> 48(2): 222-229	-	12





S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
56.	Mustafa, A.A., M. Singh, R.N. Sahoo, N. Ahmed, M. Khanna and A. Sarangi	2011	Land suitability analysis for different crops: a multi criteria decision making approach using remote sensing and GIS	<i>Researcher</i> 3(12): 1-24	-	42
57.	Abedinpour, M., Sarangi, A., Rajput, T.B.S and Singh M.	2011	Nitrogen use efficiency and yield of maize under deficit irrigation	<i>Journal of Agricultural Engineering</i> 48(4): 54-59	4.27	-
58.	Arpan Bhomick, V. Ramasubramania, Chandrahas and Adarsh Kumar	2011	Logistic regression for classification of agricultural ergonomics	<i>Adv. Appl. Res.</i> 3(2): 163-170	2.98	-
59.	Rahul Rajaram Potedar, Ramchandra Ram, Adarsh Kumar and J.K. Singh	2011	Ergonomic evaluation of rotary power input by hand and leg muscles to operate farm equipment	<i>Journal of Agricultural Engineering</i> 48(3): 8-16	4.27	-
60.	Basediya Amratlal, Samuel, D.V.K and Beera Vimla	2011	Evaporative cooling system for storage of fruits and vegetables – A review	<i>J. Food Sci. Technol.</i> DOI: 10.1007/s 13197-011-0311-6	7.22	1
61.	Chandra R., Vijay V.K., Subbarao P.M.V and Khura T.K.	2011	Performance evaluation of a constant speed I.C. engine on CNG, methane enriched biogas and biogas	<i>Applied Energy</i> 88(11): 3969-3977	11.61	82
62.	Dandekar, A.T., D.K. Singh, A. Sarangi, A.K. Singh and A. Rai	2011	Assessment of groundwater recharge control parameters for characterization of recharge process in semi-arid region	<i>Journal of Water Management</i> 19(2): 34-42	3.38	-
63.	Dash, J., A., Sarangi, D.K. Singh, A.K. Singh, R.N. Sahoo, L.M. Bhar and S.P. Datta	2011	Dynamics and budgeting of nitrate in crop root zone for assessment of groundwater pollution in the IARI farm	<i>Pusa AgriScience</i> 34: 68-78	-	-
64.	Ghorban G.N., T.B.S. Rajput, Neelam Patel and V.K. Sehgal	2011	Soluble salts distribution under saline water condition in drip irrigation	<i>Asian J. of Microbiol. Biotech. Env. Sci.</i> 13(3): 569-575	-	-
65.	Kushwaha H.L., Srivastava A.P. and Singh H.	2011	Influence of crop and machine parameters on the performance of an okra seed extractor in relation to quality of seed	<i>Journal of Agricultural Engineering</i> 41(3): 26-30	4.27	-
66.	Nafchi, R.A., M. Khana, D.K. Singh, Man Singh and R.N. Sahoo	2011	Assessment of groundwater quality in Borujen, Faradonbeh and Sefiddasht plains	<i>Global Journal of Engg. and Applied Sciences</i> 1(4): 79-82	-	-



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67.	Naved Sabir, Balraj Singh and M. Hasan	2011	IPM for greenhouse cucumber: validation under north India plains	<i>Indian Journal of Horticulture</i> 68(3): 357-363	6.13	2
68.	Naved Sabir, R. Sumitha, Balraj Singh, M. Hasan, Poonam Chilana, Sikha Deka, R.K. Tanwar and O.M. Bambawale	2011	Superabsorbent Hydrogels for efficient bio control of root knot nematodes for healthy tomato nursery	<i>Current Science</i> 100(5): 635-637	6.93	3
69.	Nayak, L. and Samuel, D.V.K.	2011	Process optimization for instant pigeonpea ( <i>Cajanus cajan</i> L.) Dal using NaHCO <sub>3</sub> (Sodium bi-carbonate) pretreatment	<i>International Journal of Agricultural Sciences</i> 7(2): 312-315	2.37	-
70.	Sethi Shruti, Srivastav Manish, Samuel, D.V.K, Singh, A.K., Dubey, A.K and Singh Gyanendra	2011	Evaluation of newly developed mango ( <i>Mangifera indica</i> ) hybrids for their storage behaviour and peel colour	<i>The Indian journal of Agricultural Sciences</i> 81(3): 252-255	6.14	3
71.	Sethi, Shruti, Samuel, D.V.K. and Khan Islam	2011	Development and quality evaluation of quick cooking dhal a convenience product	<i>J. Food Sci. Technol.</i> DOI: 10.1007/S13197-011-0534-6	7.22	-
72.	Sharma, R.R., Pal, R.K., Singh, Dinesh, Sethi, S., Samuel, D.V.K. and Anuj Kumar	2011	Evaluation of heat shrinkable films for shelf life, quality of individually wrapped royal delicious apples under ambient conditions	<i>J. Food Sci. Technol.</i>	7.22	5
73.	Tripathi, V.K., T.B.S. Rajput, Neelam Patel and Lata	2011	Hydraulic performance of drip irrigation system with municipal waste water	<i>Journal of Agricultural Engineering</i> 48(2): 15-23	4.27	3
74.	Wani, S. Kshitija, Jha, SK; Singh, Amar, Shrivastava, R, Jha, G.K. and Sinha, J.P.	2011	Effect of pre-milling treatments on green gram dhal recovery	<i>Journal of Agril. Engg.</i> 48(4): 24-29	4.27	-
75.	Abedinpour, M., Sarangi, A., Rajput, T.B.S., Singh, M., Pathak, H. and Ahmad, T.	2012	Performance evaluation of AquaCrop model for maize crop in a semi-arid environment	<i>Agricultural Water Management</i> 110: 55-66	8.29	83
76.	Chandra R., Vijay V.K., Subbarao P.M.V. and Khura T.K.	2012	Production of methane from anaerobic digestion of jatropha and pongamia oil cakes	<i>Applied Energy</i> 93: 148-159	11.61	48
77.	Dash, C.J., A. Sarangi and D.K. Singh	2012	Spatial and temporal variation of nitrate-N in groundwater at IARI farm	<i>Journal of Agricultural Engineering</i> 49(2): 50-53	4.27	1



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78.	Ghorban G.N., T.B.S. Rajput and Neelam Patel	2012	Distribution and leaching of salt under different saline water in subsurface drip irrigation	<i>Global Journal of Engineering and Applied Science</i> 1(3): 109-113	-	-
79.	Gupta, M.K., Chandra Pitam, Samuel, D.V.K, Singh Balraj, Singh Awani and Garg, M.K.	2012	Modelling of tomato seedling growth in greenhouse	<i>Agriculture Research</i> DOI: 10.1007/s40003-012-0035-5	5.88	4
80.	Hasan, M., Balraj Singh, S.V. Kaore, Tarunendu and Naved Sabir	2012	Fertigation scheduling of horticultural crops	<i>Indian Farming</i> 62(5): 41-46	-	-
81.	Mukesh Kumar, T.B.S. Rajput and Neelam Patel	2012	Yield and Water use efficiency of babay corn ( <i>Zea mays</i> L.) as influenced by fertigation schedules	<i>Journal of Soil and Water Conservation</i> 11(1): 53-58	7.60	-
82.	Mukesh Kumar, T.B.S. Rajput and Neelam Patel	2012	Effect of system pressure and solute concentration on fertilizer injection rate of a venture for fertigation	<i>Journal of Agricultural Engineering</i> 49(4): 9-13	4.27	1
83.	Muthamil Selvan M., C.R. Mehta and A.C. Varshney	2012	Potential of micro-hydro-power generation systems in India	<i>Agricultural Mechanization in India, Africa, and Latin America</i> 43(2): 25-31	6.01	-
84.	Muthamil Selvan M., K. Rangasamy and C. Divaker Durairaj	2012	Algorithmic approach for overhauling of modern bulldozers through management techniques (PERT/CPM)	<i>Agricultural Mechanization in Asia, Africa, and Latin America</i> 42(4): 33-36	6.01	-
85.	Muthamil Selvan M., R. Manian, K. Kathirvel and K. Rangasamy	2012	Economics of basin-lister cum seeder for <i>in-situ</i> moisture conservation in drylands of Indian cotton farms	<i>Agricultural Mechanization in Asia, Africa, and Latin America</i> 43(2): 84-88	6.01	-
86.	Patil, T., Man Singh, B. Singh, M. Khanna D.K. Singh and S.S. Parihar	2012	Influence of irrigation interval, nitrogen level and crop geometry on production of trickle irrigated lettuce	<i>Indian Journal of Horticulture</i> 69(3): 360-368	6.13	-
87.	Patil, Tejaswini., Man Singh., D.K. Singh., Manoj Khanna and S.S. Parihar	2012	Evaluation of HYDRUS-2D for simulating soil water distribution in trickle irrigated lettuce crop	<i>Journal of Water Management</i> 20(1): 39-50	3.38	-
88.	Pattanaaik, S.K., O.P. Singh, D.K. Singh and R.N. Sahoo	2012	GIS and remote sensing technique based waterlogging and salinity simulation: A case study	<i>Journal of Soil and Water Conservation</i> 11(1): 94-102	3.68	-



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89.	Rahim, A.N., M. Khanna, D.K. Singh and M. Singh	2012	Assessment of groundwater recharge in Bourjen, Faradonbeh and Sefiddasht plains of South Eastern Iran	<i>Journal of Water Management</i> 19(1): 43-51	3.38	-
90.	Rajput, T.B.S. and Neelam Patel	2012	Traditional water harvesting in India	<i>Journal of Soil and Water Conservation</i> 11(1): 38-48	3.68	-
91.	Rajput, T.B.S. and Neelam Patel	2012	Potential of micro irrigation for enhancing the water productivity in field crops in India	<i>Indian Journal of Agronomy</i> 57: 186-194	-	-
92.	Rajurkar, G., Neelam Patel, T.B.S. Rajput and Cini Verghese	2012	Soil water and nitrate dynamics under drip irrigated cabbage	<i>Journal of Soil and Water Conservation</i> 11(3): 196-204	3.68	-
93.	Shirsath, P.B., A.K. Singh, M. Khanna, U.K. Chopra, D.K. Singh and A. Sarangi	2012	Performance evaluation of fertigation under surface irrigation	<i>Pusa AgriScience</i> 35: 1-13	-	-
94.	Swain, Sachidananda, Samuel, D.V.K., Bal, Lalit M., Kar. Abhijit, and Sahoo, G.P	2012	Modelling of microwave assisted drying of Osmotically pretreated Red Sweet Pepper ( <i>Capsicum annum L.</i> )	<i>Food Sci. Biotechnol.</i> 21(4): 969-978	6.65	6
95.	Tripathi, V.K., T.B.S. Rajput, Neelam Patel, Lata, A.R. Rao and H. Chandrashekhran	2012	Soil contamination under wastewater application through surface and subsurface drip irrigation systems	<i>Journal of Soil and Water Conservation</i> 11(1): 13-18	3.68	-
96.	A. Sonawane, M. Hasan, Y. Rajwade and S. Desai	2013	Comparison of Neuro-Fuzzy and Regression Models for Prediction of outflow of on-farm reservoir	<i>International Journal of Agriculture, Environment and Biotechnology</i> 6(2): 187-193	4.10	4
97.	Abedinpour, M. and Sarangi, A.	2013	Deficit irrigation and nitrogen effects on maize growth in semi arid environment	<i>World Applied Science Journal</i> 21(11): 1687-1692	-	-
98.	Anilkumar T.D., D.K. Singh, A. Sarangi and A.K. Singh	2013	Analysis of long term monsoon rainfall pattern from groundwater recharge perspective in semi-arid region	<i>Journal of Water Management</i> 21(2): 103-107	3.38	-
99.	Behera U.K., Panigrahi, P. and Sarangi, A.	2013	Multiple water use protocols in integrated farming system for enhancing productivity	<i>Water Resources Management</i> 26: 2605-2613	-	9



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100.	Indra Mani	2013	Promotion of agricultural mechanization – case of India	<i>Special issue of AMA</i> 24(4): 18-19	6.01	-
101.	Ingle, V.K., A.K. Mishra, D.K. Singh and V. Ramasubramanian	2013	Laboratory simulation study for modelling bare soil evaporation from different soil layers in root zone	<i>Journal of Agricultural Engineering</i> 50(2): 52-57	4.27	-
102.	Kale, S.J., Jha, SK., Jha, G.K. and Samuel, D.V.K	2013	Evaluation and modelling of water absorption characteristics of padd	<i>J. Agricultural Engineering</i> 50(3): 29-38	4.27	2
103.	Kumar, P., A. Sarangi, D.K. Singh and S.S. Parihar	2013	Water use efficiency of salt tolerant and non-tolerant wheat varieties under irrigated saline regimes	<i>Journal of Agricultural Engineering</i> 50(1): 47-53	4.27	1
104.	M.S. Nijamudeen, Man Singh, Balraj Singh and M. Hasan	2013	N and K fertilizer application rate under drip fertigation for greenhouse grown sweet pepper	<i>Indian Journal of Horticulture</i> 70(1): 54-59	6.13	2
105.	Mane, M.E., Chandra, S., Yadav, B.R., Singh, D.K., Sarangi, A. and Sahoo, R.N.	2013	Assessment of runoff potential in the National Capital Region, Delhi	<i>Journal of Soil and Water Conservation</i> 12(1): 23-30	3.68	-
106.	Mane, Manisha E., S.S. Parihar., Man Singh., D.K. Singh., A. Sarangi and B. Chakravarthy	2013	Assessment of rainfall variability in the Central Vidarbha groclimatic region of India	<i>Journal of Soil and Water Conservation</i> 12(3): 198-206	3.68	-
107.	Muzamil Bhat, Indra Mani and Satish Lande	2013	Energetics and cost economics of compost-turner-cum-mixer for compost production from paddy straw	<i>International Journal of Engineering Research &amp; Technology (IJERT)</i> 2(12): 721-732	-	-
108.	N. Patel, S.K. Jagan, S.K. Jha, J.P. Sinha and Amrender Kumar	2013	Physical properties of basmati varieties of paddy	<i>Journal of Agril. Engg.</i> 50(4): 39-47	4.27	1
109.	Nasarabad, G.G., T.B.S. Rajput and Neelam Patel	2013	Soil water distribution and simulation under subsurface drip irrigation in cotton ( <i>Gassypium hirsutam</i> )	<i>Indian Journal of Agricultural Sciences</i> 83(1): 63-70	6.14	-



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110.	Nijamudeen M.S., M. Singh, M. Khanna, B. Singh, R. Singh, R.N. Pandey and M. Hasan	2013	Nitrogen and Potassium distribution in the soil profile of sweet pepper crop with different drip fertigation methods under greenhouse condition	<i>Sri Lankan journal of Anaesthesiology</i> 15(1): 234-245	-	-
111.	P. Panigrahi, R.K. Sharma, S.S. Parihar, M. Hasan and D.S. Rana	2013	Economic analysis of drip irrigated kinnow mandarin orchard under deficit irrigation and partial root zone drying	<i>Irrigation and Drainage</i> 62: 67-73	6.51	9
112.	Patel, Neelam and T.B.S. Rajput	2013	Simulation and modeling of water movement in potato ( <i>Solanum tuberosum</i> )	<i>Indian Journal of Agricultural Sciences</i> 81(1): 25-32	6.14	5
113.	Patel, Neelam and Rajput, T.B.S.	2013	Effect of deficit irrigation on crop growth, yield and quality of onion in subsurface drip irrigation	<i>International Journal of Plant Production</i> 7(3): 417-436	6.77	5
114.	Patel, Neelam and T.B.S. Rajput	2013	Micro irrigation for efficient water management	<i>Journal of Soil and Water Conservation</i> 11(4) 287-295	3.68	-
115.	Patil, J.P., A. Sarangi, D.K. Singh, D. Chakraborty, M.S. Rao and S. Dahiya	2013	Rainfall trend analysis: A case study of Pune District in Western Maharashtra Region	<i>Journal of Soil and Water Conservation, India</i> 12(1) 35-43	3.68	-
116.	Patil, Tejaswini, Man Singh., Balraj Singh., Manoj Khanna., D.K. Singh., S.S. Parihar and Ravender Singh	2013	Seasonal consumptive use, water use efficiency (WUE) and irrigation water use efficiency (IWUE) of trickle irrigated lettuce ( <i>Lactuca sativa</i> L.) crop	<i>Pusa Agri.Science</i> 36: 11-20	6.14	-
117.	Patil, Tejaswini, Man Singh., Manoj Khanna., D.K. Singh and Murtaza Hasan	2013	Response of Lettuce ( <i>Lactuca sativa</i> L.) to trickle irrigation under different irrigation intervals, N application rate and crop geometry	<i>Indian Journal of Agricultural Economics</i> 68(4): 573-582	5.04	-
118.	Patle, G.T., Bandyopadhyay, K.K. and Singh, D.K.	2013	Impact of conservation agriculture and resource conservation technologies on carbon sequestration—a review	<i>Indian Journal of Agricultural Sciences</i> 83(1): 42807	6.14	4
119.	Patle, G.T., D.K. Singh, A. Sarangi, Anil Rai, Manoj Khanna and R.N. Sahoo	2013	Temporal variability of climatic parameters and potential evapotranspiration	<i>Indian Journal of Agricultural Sciences</i> 83(5): 42-48	6.14	6



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120.	Sawant, C.P., Sharma, P.K., Samuel, D.V.K., Divekar, S.K. and Sahoo, R.N.	2013	Performance evaluation of a solar dryer for sapota drying	<i>International Journal of Engineering and Science Research</i> 3: 4114-4120	-	-
121.	Sawant, C.P. and Sharma, P.K.	2013	Studies on the effect of selective coatings on efficiency of solar cabinet dryer	<i>International J. of Engg. &amp; Science Research (IJESR)</i> 3: 4650-4653	-	-
122.	Singh M.K., Kumar N., Verma P. and Garg S.K.	2013	Development and performance evaluation of manually operated no-till drill for chickpea	<i>Journal of Food Legumes</i> 26(1&2): 83-85	4.3	-
123.	Yadav, S.N., Chandra, R., Khura, T.K. and Chauhan, N.S.	2013	Energy input-output analysis and mechanization status for cultivation of maize and rice crops in Sikkim	<i>Agricultural Engineering International</i> 15(3): 108-116	2.75	7
124.	Abedinpour, M., Sarangi, A. Rajput, T.B.S, Singh, M.	2014	Prediction of maize yield under future water availability scenarios using the AquaCrop model	<i>Journal of Agricultural Sciences, Cambridge (UK)</i> 152: 558-574	-	2
125.	Adhikary, P.P., Dash, J.P. Sarangi, A., Singh, D.K. and Singh, A.K.	2014	Hydrochemical characterization and spatial distribution of fluoride in groundwater of Delhi state, India	<i>Indian Journal of Soil Conservation</i> 42(2): 170-173	4.90	2
126.	Ashutosh Pandirwar, Adarsh Kumar, J.K. Singh, Indra Mani and S.K. Jha	2014	Agricultural dust protective interventions for Indian farm workers	<i>Indian Journal of Agricultural Research</i> 84(1): 29-37	3.86	-
127.	Dattatraya Patil, Indra Mani, Adarsh Kumar and Cini Varghese	2014	Role of hydrogel granules in increasing wheat productivity by maintaining soil moisture at root zone depth	<i>Green Farming</i> 5(4): 559-562	-	-
128.	Ingle, Vishal K., A.K. Mishra, A. Sarangi, D.K. Singh and V.K. Seghal	2014	Hydrological behavior of Tapi river catchment using morphometric analysis	<i>Journal of Applied and Natural Science</i> 6(2): 442-450	5.08	-
129.	Kalra, B.S., S.K. Wadkar, A. Sarangi, D.K. Singh, A. Chaturvedi and S.P. Singh	2014	Farmers' perception on water management and land degradation in the tail reach of Western Yamuna Canal Command	<i>Journal of Rural Development</i> 33(3): 343-350	3.09	-
130.	KhuraTapan, Sundaram Prem, Lande Satish, Kushwaha H.L. and Chandra Ram	2014	Biochar for climate change mitigation and ameliorating soil health	<i>Journal of Agri Search</i> 2(1): 42741	-	-



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131.	Kumar Mukesh, Rajput, T.B.S. and Patel, Neelam	2014	Water and nitrogen distribution uniformity for different drip-lengths under drip irrigation system	<i>Journal of Agricultural Engineering</i> 51(1): 37-42	4.27	1
132.	Kumar, P., Sarangi, A., Singh, D.K. and Parihar, S.S.	2014	Wheat performance as influenced by saline irrigation regimes and cultivars	<i>Journal of AgriSearch</i> 1(2): 66-72	-	8
133.	Kumar, P., Sarangi, A., Singh, D.K. and Parihar, S.S.	2014	Evaluation of AquaCrop model in predicting wheat yield and water productivity under irrigated saline regimes	<i>Irrigation and Drainage</i> 63(4): 474-48	6.51	4
134.	Mahawar, M.K., Samuel, D.V.K., Sinha, J.P., Jain, S.K., Jha, S.K. and Tyagi, K.K.	2014	Effect of moisture content on physical properties of aged okra ( <i>Abelmoschus esculentus</i> ) seeds	<i>Seed Research</i> 42(2): 201-209	-	-
135.	Manjunatha, M. Samuel, D.V.K., Rahul. K. Anurag and Gaikwad, Nilesh	2014	Development and performance evaluation of a garlic peeler	<i>J. FoodSci. Technol. AFSTI/Springer</i>	7.22	3
136.	Mini P.K., D.K. Singh and A. Sarangi	2014	Numerical modeling for assessing seawater intrusion in coastal aquifer	<i>International Journal of Earth Science and Engineering</i> 7(1): 164-174	-	-
137.	Mini, P.K. D.K. Singh and A. Sarangi	2014	Spatio-temporal variability analysis of groundwater level in coastal aquifers using geostatistics	<i>International Journal of Environmental Research and Development</i> 4(4): 329-336	-	3
138.	Muthamil Selvan, M, Anil Kumar Dubey, and Krishna Chandra Pandey	2014	Advantaged performance of tractor engine fuelled with dewaxed-degummed jatropha oil on long-run evaluation under loads	<i>Indian J. Agric. Sciences</i> 84(1): 131-136	6.14	-
139.	Muthamil Selvan, M, K. Rangasamy, C. Ramana and G. Senthil Kumaran	2014	Development of powertiller mounted cotton picker for selective picking with women operators	<i>Indian J. Agric. Sciences</i> 84(10): 1267-1273	6.14	-
140.	Muzamil Bhat, Indra Mani, Dipankar De and Satish Lande	2014	Influence of operational parameters of windrow turner for mass production of compost	<i>International Journal of Agricultural and Statistical Sciences (IJASS)</i> 9(1): 19-28	4	-





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141.	Muzamil Bhat, Indra Mani, Livleen Shukla and Satish Lande	2014	Efficiency of Pusa Compost Inoculant along with windrow turner for rapid degradation of paddy straw	<i>Journal of Pure and Applied Microbiology</i> 8(1): 569-576	6.00	-
142.	P. Panigrahi, R.K Sharma, M. Hasan and S.S. Parihar	2014	Deficit irrigation scheduling and yield prediction of 'Kinnow' mandarin ( <i>Citrus reticulata Blanco</i> ) in a semiarid region	<i>Agricultural Water Management</i> 140: 48-60	8.29	3
143.	Patil D.V., Indra Mani, Singh A. and Verghese C.	2014	Determination of physical and engineering properties of Hydrogel granule for designing the mechanical Hydrogel applicator	<i>International Journal of Bio-Resource and stress management</i> 5(2): 234-239	4.46	-
144.	Sandip Kumar Sadhu, Ramasubramanian V., Anil Rai and Adarsh Kumar	2014.	Decision tree based models for classification in agricultural ergonomics	<i>Statistics and Applications</i> 12(1&2): 21-33	-	-
145.	Sethi R.R., Sahu A.S., Kaledhonkar M.J., Sarangi A., Rani P., Kumar A. and Mandal K.G.	2014	Quantitative determination of rice cultivated areas using geospatial techniques	<i>IOSR Journal of Environmental Science, Toxicology and Food Technology</i> 8(4): 76-81	-	-
146.	Sharma, P.K. and Samuel, D.V.K	2014	Solar photovoltaic powered ventilation and cooling system of a greenhouse	<i>Current Science</i> 106(3)	6.93	-
147.	Sharma, P.K. and Samuel, D.V.K	2014	Solar photovoltaic (PV) powered system for lighting and refrigeration for use in rural areas	<i>Agril. Engg. Today</i> 38(2): 18-21	3.66	-
148.	Sharma, P.K. and Samuel, D.V.K	2014	Development of Solar photovoltaic (SPV) powered vegetable cum fruit grader	<i>Agril. Engg. Today</i> 38(4): 13-16	3.66	-
149.	Shiddanagouda Yadachi, Indra Mani, M.S. Kalra, Satish Lande and Cini Varghese	2014	Effect of coatings on physical and engineering properties of carrot ( <i>Daucuscarota L.</i> ) seeds in relation to the planter design	<i>AMA</i> 45(3): 64-68	6.01	-
150.	Shivashakti, S., Manoj Khanna, Man Singh, S. S. Parihar, D.K. Singh, Raj Kumar and R.N. Sahoo	2014	Distribution of water and nitrogen under drip and microsprinkler irrigation fertigation of garlic ( <i>Allium Sativum L.</i> ) crop	<i>Asian Journal of Applied Sciences</i> 7(6): 453-469	-	-



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151.	Sinha, J.P., Manes G.S., Dixit, Anoop, Singh, Arshdeep, Singh, Manpreet and Singh, Bhupinder Pal	2014	Performance Evaluation of Axial Flow and Tangential Axial Flow Threshing System for Basmati Rice ( <i>Oryza Sativa</i> )	<i>International Journal of Research in Agriculture and Forestry</i> 1(2): 44-49	-	-
152.	Sujeet Desai, Murtaza Hasan, Ashish Sonawane, Gajanan B. Rajurkar and Deepak Singh	2014	Effect of different levels of drip irrigation and potassium fertilizer on fruit yield and quality of Kinnow	<i>International Agricultural Engineering Journal</i> 23(2): 50-56	2.75	-
153.	Sunil Shirwal, Indra Mani	2014	Study on design parameters effecting mechanical carrot harvester	<i>International Journal of Engineering Sciences &amp; Research Technology</i> 3(3): 1664-1670	-	-
154.	Tripathi, Vinod Kumar, T.B.S. Rajput and Neelam Patel	2014	Performance of different filter combinations with surface and subsurface drip irrigation systems for utilizing municipal waste water	<i>Irrigation Science</i> DOI: 10.1007/s00271-014-0436-2	8.06	5
155.	Arun Kumar, T.V., Samuel, D.V.K., Jha, S.K. and Sinha, J.P.	2015	Twin screw extrusion of sorghum and soya blends a response surface analysis	<i>Journal of Agricultural Science &amp; Technology</i> 17(3): 649-662	6.70	2
156.	Dash, C.J., A. Sarangi, P. Adhikary, and D.K. Singh	2015	Simulation of nitrate leaching under maize-wheat cropping system in a semiarid irrigated area of the Indo-Gangetic Plain	<i>India: J. Irrig. Drain Eng.</i> 10.1061/(ASCE)IR.1943-4774.0000965, 04015053-1943-4774.0000965	6.97	-
157.	Dash, C. Jyotiprava, A. Sarangi D.K. Singh A.K. Singh and Partha Pratim Adhikary	2015	Prediction of root zone water and nitrogen balance in an irrigated rice field using a simulation model	<i>Paddy and Water Environment</i> 13(3): 281-290	7.15	6
158.	De Dipankar, Indra Mani and Sahoo, P.K.	2015	Spatial farm power usage patterns in the state of Haryana, India	<i>Agricultural Mechanization in Asia, Africa and Latin America</i> 46(1): 58-64	6.01	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
159.	Gajendra Singh, S.C. Moses, K.C. Pandey and H.L. Kushwaha	2015	Bio diesel from karanja oil as an alternative fuel for diesel engine	<i>International Journal of Research Studies in Agricultural Sciences (IJRSAS)</i> 1(2): 42741	-	-
160.	Gorai, T., Ahmed, N., Patra, A.K, Sahoo, R.N. Sarangi, A. and Sharma, R.K.	2015	Site specific nutrient management of an intensively cultivated farm using geostatistical approach	<i>Proceedings of the National Academy of Sciences, India Biological Sciences</i> DOI: 10.1007/s40011-015-0590-1	3.38	-
161.	Kale, S.J., Jha, S.K., Jha G.K., Sinha, J.P and Lal, S.B.	2015	Soaking induced changes in chemical composition, glycemic index and starch characteristics of basmati rice	<i>Rice Science</i> 22(5): 227-236	4.59	2
162.	Kalra, B.S, Mandal, B. and Sarangi, A.	2015	Technical efficiency of wheat and paddy farms in irrigated saline environment in Haryana State, India assessment	<i>African Journal of Agricultural Research</i> 10(7): 637-644	-	-
163.	Kambale, J.B., D.K. Singh and A. Sarangi	2015	Strategies for climate change impacts on irrigated crops in National Capital Region of India	<i>Journal of Applied and Natural Science</i> 7(1): 388-393	5.08	-
164.	Kumar, P., Sarangi, A., Singh, D.K., Parihar, S.S. and Sahoo, R.N.	2015	Simulation of salt dynamics in the root zone and yield of wheat crop under irrigated saline regimes using SWAP model	<i>Agricultural Water Management</i> 148: 72-83	8.29	4
165.	Kushwaha H.L. and Singh Dushyant	2015	Development of safety attachment for coconut climbing device	<i>Agricultural Engineering Today</i> 39(4): 15-Sep	3.66	-
166.	Mali, S.S. and D.K. Singh	2015	Mapping spatial variability in crop evapotranspiration and defining spatial resolution units for crop water footprint assessment at river basin scale	<i>The Ecoscan.</i> 9(1&2): 75-79	5.06	2
167.	Mali, S.S.D.K. Singh, A. Sarangi, M. Khanna, S.S. Parihar and D.K. Das	2015	Variability mapping of crop evapotranspiration for water footprint assessment at basin level	<i>Indian Journal of Soil Conservation</i> 43(1): 24-32	4.90	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
168.	Mini P.K., D.K. Singh and A. Sarangi	2015	Spatio-temporal variability of groundwater salinity in a coastal aquifer	<i>Research Journal of Chemistry and Environment</i> 19(2): 10-17	5.00	-
169.	Mohd. Muzamil, Indra Mani, Adarsh Kumar, Livleen Shukla and Satish Lande	2015	Optimization of straw size, dose of compost inoculant alongwith engineering and microbiological parameters for paddy straw degradation in shortest possible time	<i>Journal of Pure And Applied Microbiology</i> 9: 453-461	6.00	-
170.	Jena S., Adarsh Kumar and J.K. Singh	2015	Assessment of manual load carrying and health status of women farm workers of district Sonipat (Haryana), India	<i>Journal of Applied and Natural Science</i> 7(1): 229-234	5.08	-
171.	Rajaiah P., Indra Mani, Adarsh Kumar, Satish Lande and Ashok Kumar Singh	2015	Role of physical and engineering properties of rice ( <i>Oryza sativa</i> ) cultivars for designing of precision planter	<i>Indian Journal of Agricultural Sciences</i> 85-12: 82-88	6.14	-
172.	Patle G.T. and D.K. Singh	2015	Sensitivity of annual and seasonal reference crop evapotranspiration to principal climatic variables	<i>J. Earth Syst. Sci.</i> 124(4): 819-828	-	-
173.	Patle, G.T., D.K. Singh, A. Sarangi, A. Rai, M. Khanna and R.N. Sahoo	2015	Time series analysis of groundwater levels and projection of future trend	<i>Journal of Geological Society of India</i> 85(2): 232-242	6.60	5
174.	Parray Rouf Ahmed, Indra Mani, Adarsh Kumar; Tapan Khura and Satish Lande	2015	Farm Power machinery use pattern in Rice wheat cropping System	<i>Annals of Plant and Soil Research</i> 17: 330-334	3.66	-
175.	Parray Rouf Ahmed, Indra Mani, Adarsh Kumar; Tapan Khura and Satish Lande	2015	Energy use pattern of wheat production in India	<i>Ecology, Environment and Conservation</i>	5.02	-
176.	S. Ahlawat, V. Nehra, M. Hasan and M.C. Singh	2015	Fuzzy expert system for greenhouse rose yield prediction	<i>Ecology Environment and Conservation</i> 21: 347-352	5.02	-
177.	Lande Satish, Indra Mani and Adarsh Kumar	2015	Effect of lateral slope and loading pattern on static stability of Single axle trailer	<i>Journal of Agril. Engineering</i> 52(4): 42-44	4.27	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
178.	Singh Gajendra, Kushwaha H.L., S.C. Moses and Pandey K.C.	2015	Study on use of biodiesel ethanol blend as a substitute in diesel engine	<i>Indian Journal of Agricultural Sciences</i> 86(2): 15-18	6.14	-
179.	Divekar, S.P., Sharma, P.K. and Samuel, D.V.K.	2015	Influence of stored grain ecosystem on storability of paddy	<i>Ecology, Environment and Conservation</i> 21(3): 1295-1302	5.02	-
180.	Divekar, S.P., Sharma, P.K., Samuel, D.V.K. and Jha, S.K.	2015	Studies on effect of storage environment on quality of paddy	<i>Agril. Engg. Today</i> 39(4): 24-30	3.66	-
181.	Sharma, P.K. and Samuel, D.V.K.		Solar photovoltaic (SPV) powered appliances for rural applications, GREEN FARMING	<i>International Journal of Applied Agricultural &amp; Horticultural Sciences</i> 6(4): 904-907	-	-
182.	Kumar N., Singh M.K., Praharaj C.S., Singh U. and Singh S.S.	2015	Performance of chickpea under different planting method, seed rate and irrigation level in Indo-Gangetic Plains of India	<i>Journal of Food Legumes</i> 28(1): 40-44	4.3	-
183.	Dash C. Jyotiprava, A. Sarangi, Parth Pratim Adhikari and D.K. Singh	2016	Soil water budgeting to quantify potential ground-water recharge from croplands and groundwater use in a semi arid region	<i>Environmental Earth Science</i> 75(10): 853 DOI: 10.1007/s12655-016-5620-7	7.77	-
184.	Desai, Sujeet, D.K. Singh, A. Sarangi, Manoj Khanna, R.N. Sahoo and H. Pathak	2016	Extraction of geo-morphological parameters of Betwa Basin using GIS and Watershed Morphology Estimation Tool (WMET)	<i>Indian Journal of Soil Conservation</i> 44(2): 93-102	4.90	-
185.	Gupta, A., A. Sarangi, D.K. Singh, S.S. Parihar and C. Varghese	2016	A software for crop coefficient estimation and irrigation scheduling	<i>Green Farming</i> 7(5)	4.79	-
186.	Gupta, A., Sarangi, A., Singh, D.K. and Parihar, S.S.	2016	Evaluation of methods for estimation of reference evapotranspiration	<i>Indian Journal of Hill Farming</i> 29(1): 86-93	2.86	-
187.	Kambale, J.B., D.K. Singh and A. Sarangi	2016	Impact of climate change on groundwater recharge in semi-arid region of Northern India	<i>Applied Ecology and Environmental Research</i> X(y), 15(1): 335-362 DOI: <a href="http://dx.doi.org/10.15666/aeer/1501_335362">http://dx.doi.org/10.15666/aeer/1501_335362</a>	6.56	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
188.	Parray R.A., Mani I., Kumar A, Khura T. and Lande S.	2016	Pilot study of farm power-machinery status and custom-hiring opportunities in rice-wheat cropping system	<i>Indian Journal of Agricultural Sciences</i> 86(2): 167-172	6.14	-
189.	Singh S.P., Solanki R.C., Singh M.K. and Singh K.	2016	Development of tractor operated bund former-cum-packer for increasing resource productivity	<i>Indian Journal of Agricultural Sciences</i> 86(9): 1121-1126	6.14	-
190.	Singh S.P., Singh M.K. and Solanki R.C.	2016	Design and development of Four-wheel weeder for wide-row crops	<i>Indian Journal of Agricultural Sciences</i> 86(1): 42-49	6.14	-
191.	Kumar, M., A. Sarangi, D.K. Singh, A.R. Rao and S. Sudhishri	2016	Response of wheat cultivars to foliar potassium fertilization under irrigated saline environment	<i>Journal of Applied and Natural Science</i> 8(1): 429-436	5.08	-
192.	Patle G.T, Singh, D.K., Sarangi, A. and Khanna, M.	2016	Managing CO <sub>2</sub> emission from groundwater pumping for irrigating major crops in trans indo-gangetic plains	<i>Climatic Change</i> DOI: 10.1007/s10584-016-1624-2	9.43	-
193.	Patle, G.T., D.K. Singh, A. Sarangi and R.N. Sahoo	2016	Modelling of groundwater recharge potential from irrigated paddy field under changing climate	<i>Paddy and Water Environment</i> DOI: 10.1007/s10333-016-0559-6	7.15	-
194.	Sarangi, A., Bandyopadhyay, K.K., Samal, A. and Pathan, A.	2016	Evaluation of FAO AquaCrop model for wheat under different irrigation regimes	<i>Journal of Applied and Natural Science</i> 8(1): 473-480	5.08	-
195.	Jena Swagatika, Adarsh Kumar, J.K. Singh and Indra Mani	2016	Biomechanical model for energy consumption in manual load carrying on Indian farms	<i>International Journal of Industrial Ergonomics</i> 55: 69-76	7.07	-
196.	Shaloo, Sarangi, A. and Kaur, R.	2016	Analysis of rainfall and temperature trends in Haryana, India	<i>Indian Journal of Ecology</i> 43(SE-1): 21-27	4.47	-
197.	Singh K.P., Agrawal K.N., Jat Dilip, Kumar Manish, Kushwaha H.L., Shrivastava Prateek and Tripathi Himansu	2016	Design, development and evaluation of furrow opener for differential depth fertilizer application	<i>Indian Journal of Agricultural Sciences</i> 86(2): 102-07	6.14	-
198.	Vibhute, S.D., A. Sarangi and D.K. Singh	2016	Development of crop water demand based water delivery schedule for a canal command	<i>Journal of Agricultural Engineering</i> 53(2): 12-23	4.27	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
199.	Mali, S.S. and D.K. Singh	2016	Groundwater modeling for assessing the recharge potential and water table behaviour under varying levels of pumping and recharge	<i>Indian Journal of Soil Conservation</i> 44(2): 93-102	4.90	-
200.	Patle, G.T., D.K. Singh and A. Sarangi	2016	Modelling of declining groundwater depth in Kurukshetra district, Haryana, India	<i>Current Science</i> 111(4): 717-723	6.93	-
201.	Mansuri, S.M. Sharma, P.K. and Samuel, D.V.K.	2016	Solar powered evaporative cooled storage structure for storage of fruits and vegetables	<i>Indian J. of Agril. Sciences</i> 86(7): 916-922	6.14	-
202.	Divekar, S.P. and Sharma, P.K.	2016	Effect of storage environment on quality of coarse paddy	<i>Agril. Engg. Today</i> 40(3): 37-43	3.66	-
203.	Divekar, S.P. and Sharma, P.K.	2016	Hermetic Storage system for food material	<i>International Journal of Applied and Pure Science and Agriculture</i> 2(12): 74-94		-

## Faculty Profile

### (i) Professors

S. No.	Name	Period
1	Dr. J.S. Panwar	01-01-2007 to 30-04-2008
2	Dr. N.P.S. Sirohi	21-06-2008 to 15-02-2010
3	Dr. D.V.K. Samuael	16-02-2010 to 31-12-2012
4	Dr. Indra Mani	01-01-2013 to 21-9-2015
5	Dr. D.K. Singh	22-09-2015- till date

### (ii) Heads

S. No.	Name	Period
1	Dr. O.P. Singh	09-01-2002 to 08-01-2007
2	Dr. S.K. Adalakha (Acting Head)	09-01-2007 to 29-04-2009
3	Dr. D.V.K. Samuael	30-04-2009 to 29-04-2015
4	Dr. Indra Mani	29-04-2015 - till date



### (iii) Faculty Members

S. No.	Name of Faculty Member	Qualification	Specialization	h-index	I10-Index
1	Dr. Indra Mani	Ph.D.	Farm Machinery and Power	5	2
2	Er. J.K. Singh	M.Tech	Farm Machinery and Power	-	-
3	Dr. D.K. Singh	Ph.D.	Soil Water and Conservation	8	7
4	Dr. P.K. Sharma	Ph.D.	Farm Machinery and Power	-	-
5	Dr. Adarsh Kumar	Ph.D.	Farm Machinery and Power	12	13
6	Dr. Pramod Kumar Sahoo	Ph.D.	Farm Machinery and Power	-	-
7	Dr. J.P. Sinha	Ph.D.	Farm Machinery and Power	-	-
8	Dr. S.P. Singh	Ph.D.	Farm Machinery and Power	-	-
9	Dr. A.K. Mishra	Ph.D.	Soil and Water Conservation Engineering	-	-
10	Dr. A. Sarangi	Ph.D.	Soil and Water Conservation Engineering	17	24
11	Dr. Sangeeta Chopra	Ph.D.	Electrical Engineering	-	-
12	Dr.(Ms.) Neelam Patel	Ph.D.	Soil and Water Conservation Engineering	5	2
13	Dr. Murtaza Hasan	Ph.D.	Soil and Water Conservation Engineering	3	1
14	Dr. H.L. Kushwaha	Ph.D.	Farm Machinery and Power	-	-
15	Dr. Mrityunjai Kumar Singh	Ph.D.	Farm Machinery and Power	-	-
16	Dr. Tapan Kumar Khura	Ph.D.	Farm Machinery and Power	-	-
17	Dr. Satish Lande	Ph.D.	Farm Machinery and Power	-	-
18	Roaf. Ahmad Parray	Ph.D.	Farm Machinery and Power	-	-





# Agricultural Physics

Vinay Kumar Sehgal

## Students Awarded Degree

S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
<b>Ph.D. Students</b>					
1.	2007	Abhishek Chakraborty	Soil moisture estimation using c-band multibeam RADARSAT SAR data under dynamic surface and vegetable condition	Dr. H. Chandrasekharan	–
2.	2007	Partha Pratim Adhikary	Characterization of Groundwater Pollution by Geo-Electrical Hydro-chemical and stable isotope techniques	Dr. H. Chandrasekharan	Jawaharlal Nehru Award (ICAR)
3.	2007	Sandhir Kumar	Assessment of the optimum cropping sequence for a region based on soil physical properties using crop simulation techniques in GIS environment	Dr. U.K. Chopra	–
4.	2008	Dhananjay Burman	Resources and inputs analysis for sustainable land use planning through crop growth simulation model	Dr. N. Kalra	YS Kalra Award by ISSS society
5.	2008	Ananta Vashisth	Biophysical characterization of seeds subjected to magnetic field	Dr. S. Nagarajan	–
6.	2008	Tarun Adak	Studies on radiation and water use efficiency in mustard under different micro-environment created by disbranching	Dr. N.V.K. Chakravarty	–
7.	2008	Sanatan Pradhan	Integrated Assessment of subsurface salinity and pollution in relation to crop productivity in Gohana Block, Haryana	Dr. H. Chandrasekharan	–
8.	2008	Karun Kumar Choudhary	Studies on water nutrients dynamics in soil under bad planted tomato crop	Dr. P. Aggarwal	IARI Merit Medal
9.	2009	Pragati Maity	Studies on Thermal properties of soils and modelling of Heat conduction under different soil management practices	Dr. P. Aggarwal	–
10.	2009	Rahul Tripathi	Regional assessment of crop growth conditions using remote sensing data through radiative transfer modeling	Dr. R.N. Sahoo	–



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
11.	2010	Nishant Kumar Sinha	Quantification of soil quality under different cropping system	Dr. U.K Chopra	–
12.	2011	Bhaskar Narjary	Effects of Pusa hydrogel on soil physical environment and water use efficiency in soybean-wheat cropping system	Dr. P. Aggarwal	–
13.	2012	Sudipta Chattaraj	Water requirement of wheat under ambient and elevated temperature with conventional and remote sensing methods	Dr. D. Chakraborty	–
14.	2012	Sunayan Saha	Estimation of solar radiation from Satellite data for regional primary productivity assessment	Dr. R.N. Sahoo	–
15.	2013	Rajiv Ranjan	Identification and differentiation of water and nitrogen stresses through hyperspectral remote sensing	Dr. U.K Chopra	–
16.	2014	Saurav Saha	Effect of elevated atmospheric CO <sub>2</sub> in chickpea ( <i>Cicer arietinum</i> L.) water use and rhizosphere carbon dynamics	Dr. V.K. Sehgal	IARI Merit Medal; Jawaharlal Nehru Award (ICAR); Young scientist Award (ISCA)
17.	2015	Amit Kumar Singh	Multi-stage wheat yield forecasting for India using statistical and crop simulation models	Dr. A. Vashisth	IARI Merit Medal
18.	2015	Nilimesh Mridha	Assessing crop biophysical parameters from Hyper spectral and multispectral remote sensing data through Radiative transfer modeling	Dr. R.N. Sahoo	–
19.	2015	Rakesh Kumar	Long term effects of soil management practices on soil physical health and carbon sequestration under different cropping systems in alluvial plains of Haryana	Dr. P. Aggarwal	–
20.	2015	Mukhtar Ahmed	Modeling soil water dynamics, root water uptake and water use in soybean-wheat system under different time lags after chiselling	Dr. P. Aggarwal	–
21.	2016	Bappa Das	Characterization of water deficit stress response of plants through hyperspectral remote sensing	Dr. R.N. Sahoo	Young Scientist Award (ISC)



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
<b>M.Sc. Students</b>					
1.	2007	Nirmal Kumar	Discriminating different tillage options using remote sensing techniques	Dr. R.N. Sahoo	–
2.	2007	Nishant Kumar Sinha	Index based quantification of soil quality under different management practices	Dr. U.K Chopra	–
3.	2007	Sunayan Saha	Village and residue management Effect on soil physical properties and crop productivity in maize-mustard cropping sequence	Dr. D. Chakraborty	–
4.	2008	Rajiv Ranjan	Hyperspectral characterization of wheat ( <i>Triticum aestivum</i> L.) Growth under different tillage and Residue Management	Dr. R.K. Tomar	–
5.	2008	Bhaskar Narjary	Effect of debranching on aphid dynamics in mustard varieties under varying weather conditions	Dr. P. Aggarwal	–
6.	2008	Mamta Kumari	Effect of tillage on soil aggregation and associated organic matter fractions in rice-wheat system	Dr. D. Chakraborty	IARI Merit Medal
7.	2009	Sudipta Chattaraj	Effect of magnetically treated seeds on soil-plant-water relations in chickpea ( <i>Cicer arietinum</i> L.) crop	Dr. D. Chakraborty	IARI Merit Medal
8.	2009	Nilimesh Mridha	Biophysical characterization of magnetic field induced enhancement in chickpea ( <i>Cicer arietinum</i> L) seeds in relation to soil moisture stress	Dr. S. Nagarajan	–
9.	2010	Rajkumar Dhakar	Spatial assessment of drought hazard vulnerability in Rajasthan using Remote Sensing and GIS	Dr. V.K. Sehgal	IARI Merit Medal; Best MSc Thesis Award of Assoc. of Agrometeorology
10.	2010	Saurav Saha	Impact of elevated atmospheric CO <sub>2</sub> on soil and plant biophysical characteristics in Pigeon pea ( <i>Cajanus cajan</i> L.)	Dr. S. Nagarajan	–
11.	2010	Surajit Mondal	Soil hydro-physical characteristics and plant water availability in wheat under long-term tillage and residue management practices	Dr. R.K. Tomar	–
12.	2010	Jitendra Kumar	Hyperspectral remote sensing of aphid infestation in mustard under varying weather conditions	Dr. A. Vashisth	–



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
13.	2011	Debasish Chakraborty	Bidirectional reflectance modeling and its inversion to retrieve wheat biophysical parameters	Dr. V.K. Sehgal	IARI Merit Medal
14.	2011	Sarath Chandran M.A.	Quantification and prediction of water and nitrogen use efficiencies under limited water availability	Dr. U.K Chopra	–
15.	2011	Neetu Meena	Effect of magnetic treatment of sunflower ( <i>Helianthus annus</i> L.) seed on growth and yield	Dr. A. Vashisth	–
16.	2012	Amit Kumar Singh	Estimation of Crop Evapotranspiration under variable weather conditions	Dr. A. Vashisth	–
17.	2012	Bappa Das	Integrated nutrient management effects on aggregate turn over and C stability in sandy loam soil under rice-wheat cropping system	Dr. P. Aggarwal	IARI Best student of the year; IARI Merit Medal
18.	2012	Mukhtar Ahmed	Impact of resource conservation technologies on soil structural properties of <i>Rai</i> block of Sonapat District of Haryana	Dr. P. Aggarwal	–
19.	2013	Paulson Thomas	Enhancing water productivity in wheat by optimization of irrigation management using 'AquaCrop' Model	Dr. V.K. Sehgal	–
20.	2013	Amit Kumar Mishra	Characterisation and modelling of soil physical environment in rice-wheat and cotton- wheat systems under conservation agriculture	Dr. P. Aggarwal	–
21.	2013	Rekha Kumari Meena	Microenvironment study under different colour shade nets and its effect on biophysical parameters in Spinach ( <i>Spinacia oleracea</i> L.)	Dr. A. Vashisth	–
22.	2014	Sumanta Chatterjee	Effects of irrigation, mulch and nitrogen on soil structure, carbon pools and input use efficiency in maize ( <i>Zea mays</i> L.)	Dr. K.K. Bandyopadhyay	–
23.	2014	Avinash Goyal	Micrometeorological studies of crop row direction on growth and biotic stress in oilseed <i>Brassica</i>	Dr. D.K. Das	–
24.	2014	Shilpi Verma	Crop simulation studies on characterizing the impacts of high temperature stress on wheat	Dr. P. Krishnan	–
25.	2015	Victor Banerjee	Simulation of moisture and nitrogen stress in wheat under high temperature condition	Dr. P. Krishnan	–
26.	2015	Prosenjit Barman	Simulation of water and nitrogen interaction for predicting yield and water, nitrogen and radiation use efficiency of wheat	Dr. K.K. Bandyopadhyay	–



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
27.	2015	Pragya Singh	Micrometeorological of Rice-mustard cropping system under conservation agriculture	Dr. D.K. Das	–
28.	2016	Alka Rani	Modelling Evapotranspiration and Nitrogen uptake in wheat crop under tillage, residue and nitrogen management	Dr. K.K. Bandyopadhyay	–
29.	2016	Brijesh Yadav	Effect of reduced solar radiation on growth and yield of wheat	Dr. J. Mukherjee	–
30.	2016	Koushik Banerjee	Thermal image analysis of wheat crop grown under moisture stress conditions	Dr. P. Krishnan	–

### Foreign Students Awarded Degree

S. No.	Year	Name of the Foreign Student	Thesis Title	Chairperson	Country
<b>Ph.D. Students</b>					
1.	2009	H.K. Kadupitiya	Character of soil and Retrieve of its parameters through Hyperspectral remote sensing	Dr. R.N. Sahoo	Srilanka
2.	2010	A. Amirinejad	Studies on spatial variation of soil physical health in a farm in National Capital Region	Dr. P. Aggarwal	Iran
3.	2012	S. Suthakar	Regional soil profile moisture modelling using remote sensing	Dr. U.K. Chopra	Srilanka

### Training/Winter/Summer School/Workshop organized

S. No.	Year	Name of the Training	No. of Trainees	Name(s) of the Course Director and Co-ordinator
1.	2007	Crop Growth Simulation Modelling	10	Dr. N. Kalra Dr. D. Chakraborty
2.	2007	Winter School on Remote Sensing Applications in Agriculture	25	Dr. N. Kalra, Dr. R.N. Sahoo
3.	2009	Winter School on Remote Sensing Applications in Agriculture with special emphasis on “Hyperspectral Remote Sensing ”	25	Dr. Ravender Singh Dr. R.N. Sahoo
4.	2010	Winter School on Remote Sensing Applications in Agriculture with special emphasis on “Enhancing Input Use Efficiency”	25	Dr. R.N. Sahoo, Dr. S. Pradhan
5.	2011	DST sponsored short course on “Hyperspectral Remote Sensing for Agriculture”	25	Dr. R.N. Sahoo, Dr. S. Pradhan
6.	2012	ISRO sponsored EDUSAT off campus Training programme on “Hyperspectral Remote Sensing”	30	Dr. R.N. Sahoo
7.	2012	Pre-symposium tutorial on 'Advances in Spectrometry for Earth Remote Sensing'	30	Dr. R.N. Sahoo



S. No.	Year	Name of the Training	No. of Trainees	Name(s) of the Course Director and Co-ordinator
8.	2012	Assessment of Soil-Plant-Atmosphere System for improving resource use efficiency in agriculture	20	Dr. K.K Bandyopadhyay Dr. S. Pradhan
9.	2012	Regional review workshop for north west region on 'Assessment of kharif 2012 and Planning for rabi 2012-13' under FASAL scheme	35	Dr. A. Vashisth
10.	2014	Department of Space Sponsored EDUSAT based 13th outreach training program on "Basics of Remote Sensing, Geographic Information System and Global Navigation Satellite System"	21	Dr. N. Mridha
11.	2015	Model Training Course on "Participatory Geographical Information system (P-GIS) for Sustainable Natural Resource Management"	25	D. Chakraborty
12.	2015	Department of Space Sponsored EDUSAT based 14th IIRS Outreach Programme on "Applications of RS & GIS for Natural Resources"	56	Dr. N. Mridha
13.	2015	Department of Space Sponsored EDUSAT based 15th IIRS Outreach Programme on "Basics of Remote Sensing, Geographic Information System & Global Navigation Satellite System"	33	Dr. N. Mridha
14.	2016	Department of Space Sponsored EDUSAT based 18th IIRS Outreach Programme on "Basics of Remote Sensing, Geographic Information System & Global Navigation Satellite System"	32	Dr. N. Mridha
15.	2016	DST funded short course on "Imaging Spectroscopy and Applications"	135	Dr R.N. Sahoo

### Training received by the Faculty Members within the country

S. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
1.	2007	Dr. D. Chakraborty	Special Course on 'Recent Trends in SAR Applications'	4 days	IIRS (ISRO), Dehradun
2.	2007	Dr. R.N. Sahoo	Recent Trends in SAR Applications	9-12 July, 2007	IIRS (ISRO), Dehradun
3.	2008	Dr. D. Chakraborty	Winter School on 'Climate change, crop yield and sustainability'	15 Feb. to 7 Mar, 2008	IARI, New Delhi
4.	2008	Dr. A. Vashisth	Winter School on 'Climate change, crop yield and sustainability'	15 Feb. to 7 Mar, 2008	IARI, New Delhi
5.	2008	Dr. P. Aggarwal	Decision support systems for geospatial knowledge management for sustainable livelihoods security	4-13 June, 2008	NAARM, Hyderabad
6.	2008	Dr. D.K. Das	Remote Sensing, Geographical Information System and Global Positioning System	25 Aug. to 2 Nov., 2008	IIRS (ISRO), Dehradun
7.	2009	Dr. R.N. Sahoo	Advances in Design and Analysis of Agricultural Experiments	14 Jan. to 03 Feb., 2009	IASRI, New Delhi
8.	2009	Dr. P. Maity	Foundation Course for Agricultural Research Services	10 Feb. to 09 June, 2009	NAARM, Hyderabad



S. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
9.	2009	Dr. A. Vashisth	Winter School on “Remote sensing with special emphasis on hyperspectral remote sensing”	30 March to 23 April, 2009	IARI, New Delhi
10.	2010	Dr. D. Chakraborty	Training Programme on “Geospatial Knowledge Management for Sustainable Livelihoods Security”	11 days	NAARM, Hyderabad
11.	2010	Dr. P. Maity	Data Analysis Using SAS	18-24 Dec., 2010	NDRI, Karnal
12.	2011	Dr. D. Chakraborty	Management Development Programme on “Data Mining and GSI for Decision Support in Agriculture	12 days	IIM, Lucknow
13.	2011	Dr. K.K. Bandyopadhyay	Data analysis using SAS	21-26 Feb., 2011	IASRI, New Delhi
14.	2011	Dr. P. Maity	Advances in Diagnostics, Remediation and Use of Poor quality Water in Crop Production	16 June to 06 July, 2011	CSSRI, Karnal
15.	2011	Dr. A. Vashisth	Training on “Forecast modeling in crops”	3-12 Aug., 2011	IASRI, New Delhi
16.	2011	Dr. V.K. Sehgal	Training on “Forecast modeling in crops”	3-12 Aug., 2011	IASRI, New Delhi
17.	2011	Dr. V.K. Sehgal	Capacity Development for Farm Management Strategies to Improve Crop Water Productivity using AQUACRO	18-22 Oct., 2011	CRIDA, Hyderabad
18.	2012	Dr. P. Aggarwal	Modeling Water Flow and Contaminant Transport in Soils and Groundwater Using the HYDRUS Software Packages	4-5 February, 2012	IISc, Bangalore
19.	2012	Dr. P. Maity	Forecast Modeling in Crops	17 July to 06 Aug., 2012	IASRI, New Delhi
20.	2012	Dr. P. Maity	Remote Sensing and GIS Application in Natural Resource Management	21 Nov. to 7 Dec., 2012	RRS, NBSS&LUP, Kolkata
21.	2013	Dr. N. Mridha	Foundation Course for Agricultural Research Services	1 Jan. to 31 March, 2013	NAARM, Hyderabad
22.	2013	Dr. A. Vashisth	Training on “Science and Technology for Rural Societies”	11-15 March, 2013	IIPM, New Delhi
23.	2014	Dr. J. Mukherjee	Agricultural Research Management	14 days	NAARM, Hyderabad
24.	2014	Dr. J. Mukherjee	Satellite Agrometeorology	5 days	IIRS (ISRO), Dehradun
25.	2014	Dr. V.K. Sehgal	Project Development Workshop	20-23 March, 2014	NAARM, Hyderabad
26.	2014	Dr. K.K. Bandyopadhyay	STICS and RECORD model	23-18 Oct., 2014	IISC, Bangalore
27.	2014	Dr. V.K. Sehgal	Eddy Covariance Systems, Data Collection and Interpretations	2-5 December, 2014	IARI, New Delhi
28.	2014	Dr. D.K. Das	Eddy Covariance Systems, Data Collection and Interpretations	2-5 December, 2014	IARI, New Delhi



S. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
29.	2015	Dr. J. Mukherjee	Microwave remote sensing applications	10 days	NRSC (ISRO), Hyderabad
30.	2015	Dr. P. Krishnan	Short course on DSSAT - Cropping systems model	22-25 March, 2015	ICRISAT, Hyderabad
31.	2015	Dr. N. Mridha	Digital soil mapping through Geostatistical approaches using QGIS and R	24 June to 3 July, 2015	CAZRI, Jodhpur
32.	2015	Dr. K.K. Bandyopadhyay	Geospatial analysis of natural resources management using statistical tools	2-11 Sept., 2015	NAARM, Hyderabad
33.	2016	Dr. N. Mridha	CRAFT training program on 'Statistical Advances for Technological Enhancement in Agricultural Research'	19 Jan. to 8 Feb., 2016	IASRI, New Delhi

### Training/Visit Received by the Faculty Outside the Country

Sl. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
1.	2008	Dr. V.K. Sehgal	Certificate Program in Tsunami Science and Preparedness	21 July to 3 Aug., 2007	Univ. of Washington, Seattle, USA
2.	2009	Dr. P. Krishnan	Fulbright-Nehru Senior Research Fellowship	10 July, 2009 to 9 Jan., 2010	Global Climate change Laboratory, USDA, Maryland, USA
3.	2010	Dr. K.K. Bandyopadhyay	Carbon Sequestration	18 Jan. to 17 April, 2010	The Ohio State University, Ohio, USA
4.	2011	Dr. R.N. Sahoo	Drought Monitoring from Remote Sensing	29 Aug. to 24 Sept., 2011	National Drought Mitigation Centre, Univ. of Nebraska, Lincoln, USA
5.	2011	Dr. U.K. Chopra	Workshop on ABC modeling and impact	29-30 Sept., 2011	Seoul, South Korea
6.	2012	Dr. D. Chakraborty	Post-Doctoral Research	12 months	Rothamsted Research, UK
7.	2012	Dr. V.K. Sehgal	Workshop on 'Seasonal weather forecasts linked pre-harvest estimates of crop production: Methodological approaches'	16-18 April, 2012	IWMI, Colombo, Sri Lanka
8.	2012	Dr. K.K. Bandyopadhyay	Workshop on 'Seasonal weather forecasts linked pre-harvest estimates of crop production: Methodological approaches'	16-18 April, 2012	IWMI, Colombo, Sri Lanka
9.	2012	Dr. V.K. Sehgal	Workshop on "Crop Yield Estimation in Tropical Regions: Concepts, applications and challenges for heterogeneous smallholder environment"	12-14 June, 2012	European Commission - Joint Research Centre, Ispra, Italy





Sl. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
10.	2012	Dr. R.N. Sahoo	Advances in Thermal Hyperspectral Imaging	16-20 July, 2012	Center de Recherche Public Gabriel Lippmann (CRPGL), Luxembourg
11.	2014	Dr. A. Vashisth	Symposium and meeting of Bioelectromagnetics society and the European bioelectromagnetics association	8-13 June, 2014	Cape Town, South Africa
12.	2014	Dr. V.K. Sehgal	Workshop on "Climate Change Agriculture and Food Security: Opportunities for Regional Collaboration"	19-21 Nov., 2014	Ho Chi Minh City, Vietnam
13.	2014	Dr. P. Krishnan	ASA-CSSA-SSA International Annual Meeting 2014	2-5 Nov., 2014	Long Beach, California, USA
14.	2015	Dr. V.K. Sehgal	Global Science Conference on "Climate-Smart Agriculture 2015"	16-18 March, 2015	Montpellier, France
15.	2016	Dr. D. Chakraborty	Digital Agriculture for Food and Soil Security: Training Agricultural Trade Partners (India)	14 days	University of Sydney, Australia

### Awards Conferred on Faculty Members

S. No.	Year	Name of the Faculty Member	Name of the Award Received	Institution which Gave Award
1.	2007	Dr. R.N. Sahoo	ISRS SPECK Award	Indian Society of Remote Sensing
2.	2008	Dr. K.K. Bandyopadhyay	Associateship	NAAS, New Delhi
3.	2008	Dr. V.K. Sehgal	Member of National Executive Council 2008-10	Indian Society of Remote Sensing, Dehradun
4.	2009	Dr. P. Krishnan	Fulbright-Nehru Senior Research Fellowship	United States India Education Foundation
5.	2010	Dr. V.K. Sehgal	Best Paper (second prize) presented	Indian Society of Remote Sensing, Pune Chapter
6.	2010	Dr. D. Chakraborty	Associateship	NAAS, New Delhi
7.	2010	Dr. V.K. Sehgal	Secretary – Indian Society of Agro Physics for 2010-12	Indian Society of Agro Physics, New Delhi
8.	2011	Dr. V.K. Sehgal, Dr. R.N. Sahoo	Best Paper (second prize) presented	Indian Society of Remote Sensing, Bhopal Chapter
9.	2011	Dr. V.K. Sehgal	Best Poster Award	ESRI India, Noida
10.	2012	Dr. D. Chakraborty	Rothamsted International Post-Doctoral Fellowship Award	Rothamsted Research, UK
11.	2012	Dr. V.K. Sehgal	Best Oral Paper (third prize) presented	Indian Society of Remote Sensing, Delhi Chapter
12.	2012	Dr. D.K. Das	Best Presented Paper - 3rd	Aravali Foundation for Education, New Delhi



S. No.	Year	Name of the Faculty Member	Name of the Award Received	Institution which Gave Award
13.	2013	Dr. V.K. Sehgal	Best oral paper presentation award	Association of Agrometeorologists, Hyderabad Chapter
14.	2014	Dr. P. Krishnan	Fellow of Indian Society of Plant Physiology	Indian Society of Plant Physiology, New Delhi
15.	2014	Dr. P. Krishnan	DST International Travel Support Fellowship-2014	Dept. of Science and Technology, New Delhi
16.	2014	Dr. P. Krishnan	Best Poster Presentation Award	Association of Agrometeorologist, Pantnagar Chapter
17.	2014	Dr. V.K. Sehgal	Best Oral Paper Award	Association of Agrometeorologist, Pantnagar Chapter
18.	2014	Dr. P. Krishnan	ICAR–Punjabrao Deshmukh Outstanding Woman Scientist Award	ICAR, New Delhi
19.	2014	Dr. A. Vashisth	2013 most influential Bioelectromagnetics Journal paper Citation Award	Bioelectromagnetics Society of USA
20.	2014	Dr. V.K. Sehgal	Vice Chairman – Delhi Chapter for 2014-16 term	Indian Society of Remote Sensing, Dehradun
21.	2015	Dr. K.K. Bandyopadhyay	12th International Soil Science Congress Commemoration Award	Indian Society of Soil Science, New Delhi
22.	2015	Dr. D.K. Das	Best Poster Award	Soil Conservation Society of India, New Delhi
23.	2015	Dr. R.N. Sahoo	Best paper Award	Indian Society of Remote Sensing
24.	2015	Dr. V.K. Sehgal	International Travel and Registration Grant for Global Science Congress	CGIAR CCAFS, University of Copenhagen, Denmark
25.	2015	Dr. R.N. Sahoo	Best paper Award	ESRI India, Noida
26.	2016	Dr. D. Chakraborty	Australia Award Fellowship	Department of Foreign Trade and Affairs, Govt. of Australia
27.	2016	Dr. V.K. Sehgal	Editorial Board Member of Journal of Indian Society of Remote Sensing	Indian Society of Remote Sensing, Dehradun
28.	2016	Dr. V.K. Sehgal	IARI Best Teacher Award	ICAR-IARI, New Delhi
29.	2016	Dr. K.K. Bandyopadhyay	Fellow	NAAS, New Delhi
30.	2016	Dr. V.K. Sehgal	Chairman – Delhi Chapter for 2016-18 term	Indian Society of Remote Sensing, Dehradun

### Faculty Participation in International Conference/Seminar/Assignments

S. No.	Year	Name of the Faculty Member	Name of International Conference/ Seminar/ Assignment	Duration	Place Visited
1.	2007	Dr. P. Aggarwal	10th inter regional conference on water and environment– “Ensuring water and environment for prosperity and posterity”	17-20 Nov., 2017	New Delhi, India
2.	2007	Dr. V.K. Sehgal	USAID Workshop on Indian Ocean Tsunami Warning System	6-7 Dec., 2007	Bangkok, Thailand



S. No.	Year	Name of the Faculty Member	Name of International Conference/ Seminar/ Assignment	Duration	Place Visited
3.	2008	Dr. R.N. Sahoo	Technical and Scientific Interface meet on Earth Imaging Spectroscopy	18-19 Jan., 2008	Ahmedabad, India
4.	2008	Dr. D.K. Das	International Symposium on Agrometeorology and Food Security	18-21 Feb., 2008	Hyderabad, India
5.	2009	Dr. A. Vashisth, Dr. R.N. Sahoo	4th World congress on 'Conservation agriculture on innovations for improving efficiency, equity and environment	4-6 Feb., 2009	New Delhi, India
6.	2009	Dr. V.K. Sehgal	Map World Forum International Symposium	10-13 Feb., 2009	Hyderabad, India
7.	2009	Dr. V.K. Sehgal	ISPRS International Symposium on "Impact of Climate Change on Agriculture"	17-18 Dec., 2009	Ahmedabad, India
8.	2009	Dr. P. Krishnan	Fulbright-Nehru Senior Research Fellowship	10 July, 2009 to 9 Jan. 2010	Maryland, USA
9.	2009	Dr. V.K. Sehgal, Dr. A. Vashisth	International conference on 'Combating challenges of climate change'	7-8 Nov., 2009	New Delhi, India
10.	2009	Dr. A. Vashisth	International conference on "Challenges and opportunities in Agrometeorology"	23-25 Feb., 2009	New Delhi, India
11.	2011	Dr. P. Aggarwal	Geospatial world forum	18-21 Jan., 2011	Hyderabad, India
12.	2012	Dr. D.K. Das	Ist Biennial International "Congress on Urban Green Spaces"	5-6 March, 2012	New Delhi, India
13.	2012	Dr. V.K. Sehgal, Dr. K.K. Bandyopadhyay	Workshop on 'Seasonal weather forecasts linked pre-harvest estimates of crop production: Methodological approaches'	16-18 April, 2012	Colombo, SriLanka
14.	2012	Dr. P. Maity	World Aqua Congress	10-12 Nov., 2012	New Delhi, India
15.	2012	Dr. V.K. Sehgal, Dr. A. Vashisth	3rd International Agronomy congress	26-30 Nov., 2012	New Delhi, India
16.	2012	Dr. A. Vashisth	International conference on "Agrochemical Protecting crops, health and natural environment: Role of Chemistry for sustainable Agriculture"	15-18 Feb., 2012	New Delhi, India
17.	2013	Dr. A. Vashisth	International Conference on Agriculture and Climate Change	29-30 Jan., 2013	New Delhi, India
18.	2013	Dr. A. Vashisth	International conference on Chemical, environment and bioprocess engineering	21-12 Dec., 2013	New Delhi, India
19.	2013	Dr. A. Vashisth	South Asia Conference on Food, Innovation, Climate Change, rapid urbanization and skills development	17-18 Dec., 2013	New Delhi, India
20.	2014	Dr. A. Vashisth	International conference "Agriculture, Forestry, Horticulture, Aquaculture, Animal Science, Food Technology, Biodiversity and Climate Change"	30-31 Aug., 2014	New Delhi, India



S. No.	Year	Name of the Faculty Member	Name of International Conference/ Seminar/ Assignment	Duration	Place Visited
21.	2014	Dr. P. Krishnan	ASA-CSSA-SSA International Annual Meeting 2014	2-5 Nov., 2014	California, USA
22.	2014	Dr. A. Vashisth	BIOEM-2014 Symposium and meeting of Bioelectromagnetics society and the European bioelectromagnetics association	8-13 June, 2014	Cape Town, South Africa
23.	2014	Dr. V.K. Sehgal, Dr. J. Mukherjee, Dr. N. Mridha	International Symposium on "New-Dimensions in Agrometeorology for Sustainable Agriculture"	16-18 Oct., 2014	Pantnagar, India
24.	2014	Dr. V.K. Sehgal	Workshop on "Climate Change Agriculture and Food Security: Opportunities for Regional Collaboration"	19-21 Nov., 2014	Ho Chi Minh City, Vietnam
25.	2014	Dr. R.N. Sahoo, Dr. N. Mridha	International ISPRS TC-VIII Symposium on "Operational Remote Sensing Applications: Opportunities, Progress and Challenges"	9-12 Dec., 2014	Hyderabad, India
26.	2015	Dr. A. Vashisth	USAID workshop on 'Improving Climate Services for Farmers in Africa and South Asia (ICSFASA)	2-3 Feb., 2015	Pune, India
27.	2015	Dr. A. Vashisth	International Conference on Natural Resource management for food security and rural livelihoods	10-13 Feb., 2015	New Delhi, India
28.	2015	Dr. V.K. Sehgal	Global Science Conference on "Climate-Smart Agriculture 2015	16-18 March, 2015	Montpellier, France
29.	2015	Dr. A. Vashisth	1st International Conference on Agriculture & Horticulture sciences	6-7 June, 2015	New Delhi, India
30.	2015	Dr. V.K. Sehgal, Dr. J. Mukherjee	Asiaflux-2015 workshop and conference on "Challenges and Significance of Ecosystem Research in Asia to better understand Climate Change"	22-26 Nov., 2015	Pune, India
31.	2015	Dr. J. Mukherjee	"Global research initiatives for sustainable agriculture and allied sciences (GRISSAS 2015)"	12-13 Dec., 2015	Gwalior, India
32.	2015	Dr. R.N. Sahoo	International Congress of Plant Physiology on "Challenges and Strategies in Plant Biology Research"	11-14 Dec., 2015	New Delhi, India
33.	2016	Dr. N. Mridha	9th International conference on "land use change, climate extreme and disaster risk reduction"	18-20 March, 2016	New Delhi, India
34.	2016	Dr. R.N. Sahoo	SPIE. Asia Pacific Remote Sensing Symposium	4-7 April, 2016	New Delhi, India
35.	2016	Dr. A. Vashisth	3rd International conference on Agriculture, Horticulture & Plant Science	25-26 June, 2016	New Delhi, India
36.	2016	Dr. R.N. Sahoo	Conference on "State of the Art technologies to Drive Agricultural Productivity in the Next Quarter of the Century	28-30 June, 2016	Tokyo, Japan



S. No.	Year	Name of the Faculty Member	Name of International Conference/Seminar/Assignment	Duration	Place Visited
37.	2016	Dr. R.N. Sahoo	International Workshop on "Technological Innovations and Agricultural Micro insurances"	13-14 Oct., 2016	Washington DC, USA
38.	2016	Dr. R.N. Sahoo	India-UK roundtable on precision agriculture	7 Nov., 2016	New Delhi, India
39.	2016	Dr. A. Vashisth	4th International Agronomy Congress	22-26 Nov., 2016	New Delhi, India

### Research Publications of Faculty Members

S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
1.	Dhar V., Singh S.K., Trivedi T.P., Das D.K., Dhandapani A., Chaudhary R.G. and Kumar M.	2007	An Economic Evaluation of Environmental Risk of Pesticide Use: A case study of Paddy, Vegetables and Cotton in Irrigated Eco-System	<i>Indian Journal of Agricultural Economics</i> 62(3): 492-502	3.9	--
2.	Ghosh P.K., Bandyopadhyay K.K., Wanjari, R.H., Manna M.C., Misra A.K., Mohanty M. and Subbba Rao A.	2007	Legume effect for enhancing productivity and nutrient use efficiency in major cropping systems- An Indian perspective: A review	<i>Journal of Sustainable Agriculture</i> 30(1): 59-86	7.37	57
3.	Hati K.M., Biswas A.K., Bandyopadhyay, K.K. and Misra A.K.	2007	Soil properties and crop yields on a vertisol in India with application of distillery effluent	<i>Soil and Tillage Research</i> 92: 60-68	8.62	78
4.	Hati K.M., Swarup A., Dwivedi A.K., Misra A.K. and Bandyopadhyay K.K.	2007	Changes in soil physical properties and organic carbon status at the topsoil horizon of a vertisol of central India after 28 years of continuous cropping, fertilization and manuring	<i>Agriculture, Ecosystem and Environment</i> 119: 127-134	9.40	161
5.	Kalra N., Chander S., Pathak H., Aggarwal P.K., Gupta N.C., Sehgal M. and Chakraborty D.	2007	Impacts of climate change on agriculture	<i>Outlook on Agriculture</i> 36: 109-118	6.54	36
6.	Krishnan P., Swain D.K., Baskar C., Nayak S.K. and Dash R.N.	2007	Impact of elevated CO <sub>2</sub> and temperature on rice yield and methods of adaptation as evaluated by crop simulation studies	<i>Agriculture, Ecosystems &amp; Environment</i> 122(2): 233-242	9.40	154
7.	Kumar A., Sarangi A., Singh O.P., Sahoo R.N. and Singh A.K.	2007	Spatial modelling soil salinity assessment of sub surface drainage	<i>Journal of Agricultural Engineering</i> 44(4): 1-7	4.27	1



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
8.	Mallick K., Bhattacharya B.K., Chaurasia S., Dutta S., Nigam R., Mukherjee J., Banerjee S., Kar G., Rao V.U.M., Gadgil A.S. and Parihar J.S.	2007	Evapotranspiration using MODIS data and limited ground observations over selected agroecosystems in India	<i>International Journal of Remote Sensing</i> 28(10): 2091-2110	7.5	30
9.	Mohanty M., Bandyopadhyay K.K., Painuli D.K., Ghosh P.K., Misra A.K. and Hati K.M.	2007	Water transmission characteristics of a Vertisol and water use efficiency of rainfed soybean ( <i>Glycine max</i> (L.) Merr.) under subsoiling and manuring	<i>Soil and Tillage Research</i> 93:420-428	8.62	64
10.	Pattanaik S.K., Singh O.P., Singh D.K., and Sahoo R.N.	2007	Prediction of Waterlogging using Digital Elevation Model and GI	<i>Journal of Agricultural Engineering</i> 44(2): 1-17	4.27	--
11.	Sahoo R.N., Tomar R.K., Pandey S., Sahoo P.M., Chakravarty N.V.K. and Karla N.	2007	Precision Farming: Concept and Application in Indian Context	<i>Indian Jr. Crop Science</i> 2(1): 25-27	--	4
12.	Singh A., Kumar R. and Das D.K.	2007	An Economic Evaluation of Environmental Risk of Pesticide Use: A case study of Paddy, Vegetables and Cotton in Irrigated Eco-System	<i>Indian Journal of Agricultural Economics</i> 62(3): 492-502	5.04	5
13.	Swain D., Heathi S., Chandrabaskar B., Krishnan P., Rao K.S., Nayak S.K. and Dash R.N.	2007	Developing ORYZA 1N for Medium- and Long-Duration Rice: Variety Selection under Non-Water-Stress Conditions	<i>Agronomy Journal</i> 99: 428-440	7.44	18
14.	Aggarwal P., Garg R.N., Kalra N., Singh S. and Mittal R.B.	2008	Diagnostic survey in farmers' fields of Bulandshahr district for soil physical constraints identifications	<i>Journal of Soil and Water Conservation</i> 7: 65-70	3.68	--
15.	Aggarwal P., Chopra U.K. and Singh A.K.	2008	Development of pedo transfer functions for penetration resistance of few soils under major soil orders of India	<i>Journal of Indian society of Soil Science</i> 56(2): 148-153	4.95	--
16.	B. Ramakrishnan and P. Krishnan	2008	Soil nutrient management: Feast and famine approach vs life-cycle assessment approach	<i>Current Science</i> 94(6): 703-704	6.97	--
17.	Bandyopadhyay K.K., Misra A.K., Ghosh P.K., Hati K.M., Mohanty M. and Singh R.K.	2008	Assessment of critical soil water potential for emergence of wheat, chickpea and linseed seedlings in relation to water stress in a Vertisol	<i>Journal of the Indian Society of Soil Science</i> 56(3): 267-275	4.95	--



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
18.	Chakraborty D., Nagrajan S., Aggarwal P., Gupta V.K., Tomar R.K., Garg R.N., Sahoo R.N., Sarkar A., Chopra U.K., Sarma K.S. and Kalra N.	2008	Effect of mulching on soil and plant water status, and the growth and yield of wheat ( <i>Triticum aestivum</i> L.) in a semi-arid environment	<i>Agricultural Water Management</i> 95(12): 1323-1334	8.29	136
19.	Hebber K.B., Venugoaplan M.V., Sheshasai M.V.R., Rao K.V., Patil B.C., Prakash A.H., Kumar V., Hebber K.R., Jeyakumar P., Bandyopadhyay K.K., Rao M.R.K., Khadi B.M. and Aggarwal P.K.	2008	Predicting cotton production using Infocrop-cotton simulation model, remote sensing and spatial agro-climatic data	<i>Current Science</i> 95(11): 1570-1579	6.97	--
20.	Kalra N., Chakraborty D., Ramesh Kumar P., Jolly M. and Sharma P.K.	2008	An approach to bridging yield gaps, combining response to water and other resources inputs for wheat in northern India, using research trials and farmers' fields data	<i>Agricultural Water Management</i> 93: 54-64	8.20	37
21.	Kalra N., Chakraborty D., Sharma A., Rai H.K., Jolly M., Chander S., Ramesh Kumar P., Bhadraray S., Barman D., Mittal R.B., Mohan Lal and Sehgal M.	2008	Effect of increasing temperature on yield of some winter crops in northwest	<i>Current Science</i> 94: 82-88	6.97	110
22.	Pattanaik S.K., Singh O.P., Singh D.K. and Sahoo R.N.	2008	Irrigation Induced Soil Salinity Mapping through Principal Component Analysis of Remote Sensing Data	<i>Journal of Agricultural Physics</i> 8: 29-36	4.31	2
23.	Ramesh V., Bandyopadhyay K.K. and Sharma K.L.	2008	Evaluation of infiltration models under different land use and management systems in semiarid tropical Vertisols	<i>Journal of the Indian Society of Soil Science</i> 56(2): 154-160	4.95	--
24.	Santra P., Chopra U.K. and Chakraborty D.	2008	Spatial variability of soil properties and its application in predicting surface map of hydraulic parameters in an agricultural farm	<i>Current Science</i> 95: 937-945	6.97	55
25.	Singh A., Vasisht A.K., Kumar R. and Das D.K.	2008	Adoption of integrated pest management practices in paddy and cotton: A case study in Haryana and Punjab	<i>Agricultural Economics Research Review</i> 21: 221-226	5.68	23



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
26.	Singh M., Kalra N., Chakraborty D., Kamble K., Barman D., Saha S., Mittal R.B. and Pandey S.	2008	Biophysical and Socio-economic characterization of a water-stressed area and simulating agri-production estimates and land use planning under normal and extreme climatic events: a case study	<i>Environmental Monitoring and Assessment</i> 142: 97-108	7.59	7
27.	Tomar R.K., Singh D., Gangwar K.S., Garg R.N., Gupta V.K., Chakraborty D., Sahoo R.N., Ranjan R. and Chakravarty N.V.K.	2008	Energetics and performance of rice-wheat as influenced by tillage systems and moisture regimes in Inceptisols	<i>J. Soil and Water Conservation</i> 7(2): 68-74	4.90	--
28.	Vashisth A., Das D.K., Bhagawati G. and Sharma P.K.	2008	Accuracy of weather forecast for semi arid climate of Delhi for agricultural management practices	<i>Journal of Agricultural Physics</i> 8(1&2): 51-58	4.31	-
29.	Aggarwal P., Mittal R.B., Maity P. and Sharma A.R.	2009	Modification of hydro-thermal regimes under bed planted wheat	<i>Geoderma</i> 153(3-4): 312-317	8.77	5
30.	Bandyopadhyay K.K., Ghosh P.K., Hati K.M. and Misra A.K.	2009	Efficient utilization of limited available water in wheat through proper irrigation scheduling and integrated nutrient management under different cropping systems in a Vertisol	<i>Journal of the Indian Society of Soil Science</i> 57(2): 121-128	4.95	8
31.	Bandyopadhyay K.K., Hati K.M. and Singh R.	2009	Management options for improving soil physical environment for sustainable agricultural production: A brief review	<i>Journal of Agricultural Physics</i> 9: 1-8	4.31	8
32.	Bandyopadhyay K.K., Prakash A.H., Sankaranarayanan K., Dharajothi B. and Gopalakrishnan N.	2009	Effect of irrigation and nitrogen on soil water dynamics, productivity and input use efficiency of Bt cotton ( <i>Gossypium hirsutum</i> ) in a Vertic Ustropept	<i>Indian Journal of Agricultural Sciences</i> 79(6): 448-453	6.14	14
33.	Bhattacharya B.K., Mallick K., Rao U., Reddy R., Bannerjee S., Venkatesh H., Pandey V., Kar G., Mukherjee J., Vyas S., Gadgil A. and Patel N.	2009	Latent heat flux estimation in clear sky days over Indian agroecosystems using noontime satellite remote sensing data	<i>Agricultural and Forest Meteorology</i> 149(10): 1646-1665	7.9	23





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34.	Das D.K., Sehgal V.K., Singh R. and Sharma P.K.	2009	Trends of thermal parameters and extreme incidences on IARI farm, New Delhi during 1980-2008	<i>Journal of Agricultural Physics</i> 9: 44-49	4.31	2
35.	Garg R.N., Mazumdar S.P., Chattaraj S., Chakraborty D., Singh R., Kumari M., Saha B., Trivedi S.M., Kaur R., Kamble K.H. and Singh R.K.	2009	Assessment of soil physical conditions: Evaluation of a single value index	<i>Journal of Agricultural Physics</i> 9: 9-19	4.31	6
36.	Ghosh P.K., Tripathi A.K., Bandyopadhyay, K.K. and Manna M.C.	2009	Assessment of nutrient competition and nutrient requirement in soybean/ sorghum intercropping system	<i>European Journal of Agronomy</i> 31:43-50	8.70	44
37.	Gupta A.K., Sreeja S.N. and Sehgal V.K.	2009	Hydro-meteorological disasters and climate change: conceptual issues and data needs for integrating adaptation into environment development framework	<i>Earth Science India</i> 2(2): 117-132	--	10
38.	Santra P., Sahoo R.N., Das B.S. and Gupta V.K.	2009	Estimation of Soil Hydraulic Properties using Spectral Reflectance in Visible and Near –Infrared Region	<i>Geoderma</i> 152: 338-349	8.77	26
39.	Singh R.K., Chakraborty D., Garg R.N., Subba Rao Y.V., Sharma D.K. and Sharma U.C.	2009	Soil organic carbon and nutrient uptake vis-a-vis growth and yield of pearl millet ( <i>Pennisetum glaucum</i> ) as influence by water and nitrogen in a Typic Haplustept soil	<i>Indian Journal of Agricultural Sciences</i> 79: 359-363	6.18	2
40.	Tomar R.K., Singh D., Gangwar K.S., Garg R.N., Gupta V.K., Chakraborty D., Sahoo R.N., Ranjan R. and Chakraborty N.V.K.	2009	Effect of tillage systems and irrigation schedules on Soil cracking pattern, water requirement and performance of rice wheat cropping system in Inceptisols in semi arid regions	<i>J. Soil and Water Conservation</i> 8(3): 26-33	4.90	--
41.	Yadav S.K., Trivedi T.P., Ahuja D.B., Das D.K., and Dhandapani A.	2009	Location specific weather based prediction rules for <i>Helicoverpa armigera</i> (Hubner) in pigeon pea ( <i>Cajanus cajan</i> Millspaugh) and chickpea ( <i>Cicer arietinum</i> Linnaeus) agro-ecosystem in western Uttar Pradesh	<i>Journal of Insect Science</i> 22(4): 356-63	3.44	1



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42.	Bandyopadhyay K.K., Misra A.K., Ghosh P.K. and Hati K.M.	2010	Effect of integrated use of farmyard manure and chemical fertilizers on soil physical properties and productivity of soybean	<i>Soil and Tillage Research</i> 110: 115-125	8.62	70
43.	Bandyopadhyay K.K., Misra A.K., Ghosh P.K., Hati K.M., Mandal K.G. and Mohanty M.	2010	Effect of irrigation and nitrogen application methods on input use efficiency of wheat under limited water supply in a Vertisol of Central India	<i>Irrigation Science</i> 28: 285-299	8.06	26
44.	Chakraborty D., Garg R.N., Tomar R.K., Dwivedi B.S., Aggarwal P., Singh Ravender, Behera U.K., Thangasamy A. and Singh D.	2010	Soil physical quality as influenced by long-term application of fertilizers and manure under maize-wheat system	<i>Soil Science</i> 175: 128-136	7.05	17
45.	Chakraborty D., Garg R.N., Tomar R.K., Singh R., Sharma S.K., Singh R.K., Trivedi S.M., Mittal R.B., Sharma P.K. and Kamble K.H.	2010	Synthetic and organic mulching and nitrogen effect on winter wheat ( <i>Triticum aestivum</i> L.) in a semi-arid environment	<i>Agricultural Water Management</i> 97: 738-748	8.20	35
46.	Das S., Nayak M., Patra B.C., Ramakrishnan B. and Krishnan P.	2010	Characterization of seeds of selected wild species of rice stored under high temperature and humidity conditions	<i>Indian Journal of Biochemistry and Biophysics</i> 47(3): 178-184	6.87	4
47.	Kaur R., Mahey R.K. and Mukherjee J.	2010	Optimum time span for distinguishing little canary grass ( <i>Phalaris minor</i> ) from wheat ( <i>Triticum aestivum</i> ) crop based on their spectral reflectance characteristics	<i>Indian Journal of Agricultural Sciences</i> 80(7): 616-620	6.6	3
48.	Mandal K.G., Hati K.M., Misra A.K. and Bandyopadhyay K.K.	2010	Root biomass, crop response and water-yield relationship of mustard ( <i>Brassica juncea</i> L.) grown under combinations of irrigation and nutrient application	<i>Irrigation Science</i> 28: 271-280	8.06	10
49.	Mukherjee J., Gebru G., Sood A., Mahey R.K., Bal S.K., Singh H. and Kaur P.	2010	Wheat yield and acreage prediction using LISS-III and AWiFS sensors data of Indian remote sensing satellite of Rupnager district of Punjab, India	<i>Rivista Italiana Di Telerilevamento</i> 42(3): 115-127	-	6



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50.	Prakash A.H., Bandyopadhyay K.K., Gopalakrishnan Nand Kumar A. and Anderson A.	2010	Interaction of thermal time and nitrogen levels on growth and productivity of cotton ( <i>Gossypium hirsutum</i> )	<i>Indian Journal of Agricultural Sciences</i> 80(8):704-709	6.14	-
51.	Saha S., Chakraborty D., Sharma A.R., Tomar R.K., Bhadraray S., Sen U., Behra U.K., Purakayastha T.J., Garg R.N. and Kalra N.	2010	Effect of tillage and residue management on soil physical properties and crop productivity in maize ( <i>Zea mays</i> )–Indian mustard ( <i>Brassica juncea</i> ) system	<i>Indian Journal of Agricultural Sciences</i> 80: 679-685	6.18	16
52.	Sankaranarayanan K., Praharaj C.S., Bandyopadhyay K.K., and Gopalakrishnan, N.	2010	Low cost drip-aptness and viability as a precision irrigation tool in Bt cotton ( <i>Gossypium hirsutum</i> )	<i>Indian Journal of Agronomy</i> 55(4): 59-65	5.00	-
53.	Sankaranarayanan K., Praharaj C.S., Nalayini P., Bandyopadhyay K.K. and Gopalakrishnan, N.	2010	Climate change and its impact on cotton	<i>Indian Journal of Agricultural Sciences</i> 80(7): 561-575	6.14	-
54.	Singh R., Kundu D.K. and Bandyopadhyay K.K.	2010	Enhancing Agricultural Productivity through enhanced water use efficiency	<i>Journal of Agricultural Physics</i> 10(1&2): 1-15	4.31	--
55.	Singh R., Kundu D.K., Chakraborty D., Tomar R.K. and Garg R.N.	2010	Prediction of hydraulic characteristics of dominant soil sub-groups of eastern India	<i>Indian Journal of Soil Conservation</i> 38: 1-9	4.90	1
56.	Singh R.K., Chakraborty D., Garg R.N., Sharma P.K. and Sharma U.C.	2010	Effect of different water regimes and nitrogen application on growth, yield, water use and nitrogen uptake by pearl millet ( <i>Pennisetum glaucum</i> )	<i>Indian Journal of Agricultural Sciences</i> 80: 213-216	6.18	14
57.	Yadav M.S., Das D.K. and Yadava D.K.	2010	Influence of rainfall, temperature and humidity on appearance and development of fungal diseases in <i>Brassica juncea</i>	<i>Plant Disease Research</i> 25(2): 151-154	3.30	1
58.	Chakraborty D., Mazumdar S., Garg R.N., Banerjee S., Santra P., Singh R., Tomar R.K. and Garg R.N.	2011	Pedotransfer Functions for Predicting Points on the Moisture Retention Curve of Indian Soils	<i>Indian Journal of Agricultural Sciences</i> 81: 1030-1036	6.18	5



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59.	Chaurasia S., Nigam R., Bhattacharya B.K., Sridhar V.N., Mallick K., Vyas S.P., Patel N.K., Mukherjee J., Shekhar C., Kumar D., Singh K.R.P., Bairagi G.D., Purohit N.L. and Parihar J.S.	2011	Development of regional wheat VI-LAI models using Resource sat-1 AWiFS data	<i>Journal of Earth System Science</i> 120(6): 1113-1125	6.76	10
60.	Das D.K., Singh J. and Vennila S.	2011	Emerging crop pest scenario under impact of climate change	<i>Journal of Agricultural Physics</i> 11: 13-20	4.31	10
61.	Gupta A.K., Tyagi P. and Sehgal V.K.	2011	Drought disaster challenges and mitigation in India: strategic appraisal	<i>Current Science</i> 100: 1795-1806	6.97	27
62.	Kamble K.H. and Aggarwal P.	2011	Geostatistical analyst for deciding optimal interpolation strategies for delineating compact zones	<i>International Journal of Geo-sciences</i> 2: 585-596	--	--
63.	Krishnan P., B. Ramakrishnan, K. Raja Reddy and Reddy V.R.	2011	High temperature stress effects on rice plant growth and yield	<i>Advances in Agronomy (USA)</i> 111: 87-206	9.89	80
64.	Mustafa A.A., Singh M., Ahmed N., Sahoo R.N., Khanna M., Sarangi A. and Mishra A.K.	2011	Characterization and Classification of Soils of Kheragarah, Agra and Their Productivity Potential	<i>Journal of Water Management</i> 19(1): 1-19	3.38	--
65.	Mustafa A.A., Singh M., Ahmed N., Sahoo R.N., Khanna M., Sarangi A., and Mishra A.K.	2011	Land Suitability Analysis for Different Crops: A Multi Criteria Decision Making Approach using Remote Sensing and GIS	<i>Researcher</i> 3(12): 1-24	--	46
66.	Nasrabad G.G., Rajput T.B.S., Patel N. and Sehgal V.K.	2011	Soluble salts distribution under saline water condition in drip irrigation	<i>Journal of Microbiology, Biotechnology and Environmental Sciences</i> 13(3): 569-575	3.07	--
67.	Pradhan S., Sehgal V.K., Das D.K. and Singh R.	2011	Analysis of meteorological drought at New Delhi using SPI	<i>Journal of Agrometeorology</i> 13(1): 68-71	6.36	6
68.	Rahim A.N., Khanna M., Singh D.K., Singh M. and Sahoo R.N.	2011	Assessment of groundwater quality in Borujen, Fardonbeh, and Sefiddasht plains	<i>Global J. of Engg. &amp; Appl. Sciences</i> 1(4): 79-82	3.79	2
69.	Sehgal V.K., Jain S., Aggarwal P.K. and Jha S.	2011	Deriving crop phenology metrics and their trends using times series NOAA-AVHRR NDVI data	<i>Journal of the Indian Society of Remote Sensing</i> 39(3): 373-381	6.76	13



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70.	Vashisth A., Chakravarty N.V.K., Bhagavati G. and Sharma P.K.	2011	Effect of variable weather conditions on aphid infestation and crop growth of Mustard crop	<i>Journal of Agrometeorology</i> 13(1): 75-76	6.15	--
71.	Nagaraja A., Sahoo R.N., Usha K., Gupta V.K. and Singh S.K.	2012	Weather based mapping of susceptible areas of mango malformation through GIS	<i>Progressive Horticulture</i> 44(2): 201-205	3.25	--
72.	Rawat K.S., Mishra A.K., Sehgal V.K. and Tripathi V.K.	2012	Spatial Variability of Ground Water Quality in Mathura District (Uttar Pradesh, India) with Geostatistical Method	<i>International Journal of Remote Sensing Applications</i> 2(1): 1-9	--	7
73.	Rawat K.S., Sehgal V.K. and Mishra A.K.	2012	Identification of Geospatial Variability of Flouride Contamination in Ground Water of Mathura District, Uttar Pradesh, India	<i>Journal of Applied and Natural Science</i> 4(1): 117-122	4.84	5
74.	Vashisth A., Jain A.K., Das D.K., Joshi D.K., Sharma P.K, Baloda R. and Singh R.	2012	Effect of weather variability on growth characteristics and seed yield of Soybean crop	<i>Journal of Agrometeorology</i> 14: 100-106	6.15	--
75.	Vashisth A., Joshi D.K. and Singh R.	2012	Water distribution during germination in sunflower ( <i>Helianthus annuus</i> L.) seeds exposed to magnetic field	<i>Journal of Agricultural Physics</i> 12(2): 162-169	3.79	1
76.	Vashisth A., Joshi D.K. and Singh R.	2012	Characterization of water uptake and distribution in chickpea ( <i>Cicer arietinum</i> L.) seeds during germination by NMR spectroscopy	<i>African Journal of Biotechnology</i> 11(59): 12226-12297	--	1
77.	Aggarwal P., Kumar R. and Yadav B.	2013	Hydrophysical characteristics of a sandy loam soil under bed planted maize	<i>Indian Journal of Agricultural Sciences</i> 83(5): 498-503	6.14	--
78.	Bal, S.K., Choudhury B.U., Sood A., Saha S., Mukherjee J., Singh H. and Kaur P.	2013	Relationship between leaf area index of wheat crop and different spectral indices in Punjab	<i>Journal of Agrometeorology</i> 15(2): 16-20	6.15	1
79.	Bandyopadhyay K.K., Pradhan S., Singh R., Aggarwal P., Sutradhar A.K. and Joshi D.K.	2013	Effect of Irrigation Levels and Nitrogen Sources on Growth, Yield and Input Use Efficiency of Soybean in a Sandy Loam Soil of Semi-Arid Environment	<i>Journal of Agricultural Physics</i> 13(2): 153-159	4.13	--



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80.	Bhattacharyya R., Das T.K., Pramanik P., Ganeshan V., Saad A.A. and Sharma A.R.	2013	Impacts of conservation agriculture on soil aggregation and aggregate-associated N under an irrigated agroecosystem of the Indo-Gangetic Plains	<i>Nutrient Cycling in Agroecosystem</i> 96: 185-202	7.90	12
81.	Das D.K., Pradhan S., Sehgal V.K., Sahoo R.N., Gupta V.K. and Singh R.	2013	Spectral reflectance characteristics of healthy and yellow mosaic virus infected soybean ( <i>Glycine max</i> L.) leaves in semiarid environment	<i>Journal of Agrometeorology</i> 15(1): 36-38	6.36	4
82.	Das S., Krishnan P., Nayak M. and Ramakrishnan B.	2013	Changes in antioxidant isozymes as a biomarker for characterizing high temperature stress tolerance in rice ( <i>Oryza sativa</i> L.) spikelets	<i>Experimental Agriculture (UK)</i> 49(1): 53-73	7.06	5
83.	Hussain A., Kumar D., Rana D.S., Gangaiah B., Dwivedi B.S. and Sahoo R.N.	2013	Productivity and profitability of Bt cotton ( <i>Gossypium hirsutum</i> )–wheat ( <i>Triticum aestivum</i> ) cropping system as affected by nutrient omissions	<i>Indian Journal of Agronomy</i> 58(2): 175-181	5.0	2
84.	Jha S., Sehgal V.K. and Raghava R.	2013	Trend of standardized precipitation index during Indian summer monsoon season in agroclimatic zones of India	<i>Earth System Dynamics Discussions</i> 4(1): 429-449	--	6
85.	Kaur P., Singh H., Kingra P.K. and Mukherjee J.	2013	OILCROP-SUN Model as Grower's Tool for Sunflower Cultivation in Irrigated Plains of Punjab	<i>Journal of Agricultural Physics</i> 13(2): 166-174	3.79	
86.	Kumar M., Rajput T.B.S., Patel N., Sahoo R.N. and Varghese C.	2013	Performance evaluation of drip tape for irrigation under different operating pressures	<i>Pusa AgriScience</i> 36: 58-63	2.20	--
87.	Mahajan G.R., Pandey R.N., Datta S.C., Kumar D., Sahoo R.N. and Parsad R.	2013	Soil Test Based Fertilizer Recommendation of Nitrogen, Phosphorus and Sulphur in Wheat ( <i>Triticum aestivum</i> L.) in an Alluvial Soil	<i>International Journal of Agriculture, Environment &amp; Biotechnology</i> 6(2): 271-281	4.10	--
88.	Maity A. and Pramanik P.	2013	Climate change and seed quality: an alarming issue in crop husbandry	<i>Current Science</i> 105(10): 1336-1338	6.97	4



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89.	Mandal K.G., Hati K.M., Bandyopadhyay K.K. and Tripathi A.K.	2013	Land surface modification and crop diversification for enhancing productivity of a Vertisol	<i>International Journal of Plant Production</i> 7(3): 455-472	6.77	6
90.	Pal R.K., Sehgal V.K., Misra A.K., Ghosh K., Mohanty U.C. and Rana R.S.	2013	Application of Seasonal Temperature and Rainfall Forecast for Wheat Yield Prediction for Palampur, Himachal Pradesh	<i>International Journal of Agriculture and Food Science Technology</i> 4(5): 453-460	--	8
91.	Pandey R., Paul V, Sehgal V.K., Singh M.P. and Bandyopadhyay K.K.	2013	Monitoring of CO <sub>2</sub> exchange and carbon pools in vegetation and soil	<i>Indian Journal of Plant Physiology</i> 18(2): 98-117	5.18	--
92.	Patle G.T., Bandyopadhyay K.K. and Singh D.K.	2013	Impact of conservation agriculture and resource conservation technologies on carbon sequestration- a review	<i>Indian Journal of Agricultural Sciences</i> 83(1): 3-13	6.14	--
93.	Patle G.T., Singh D.K., Sarangi A., Rai A., Khanna M. and Sahoo R.N.	2013	Temporal variability of climatic parameters and potential evapotranspiration	<i>Indian Journal of Agricultural Sciences</i> 83(5): 518-524	6.14	6
94.	Pradhan S., Bandyopadhyay K.K., Sahoo R.N., Sehgal V.K., Singh R., Joshi DK and Gupta V.K.	2013	Effect of Irrigation Mulching and Nitrogen on Canopy Reflectance Spectra of Wheat	<i>Journal of Agricultural Physics</i> 13(2): 211-215	4.31	--
95.	Pradhan S., Bandyopadhyay K.K., Sahoo R.N., Sehgal V.K., Singh R., Joshi D.K. and Gupta V.K.	2013	Prediction of wheat ( <i>Triticum aestivum</i> ) grain and biomass yield under different irrigation and nitrogen management practices using canopy reflectance spectra model	<i>Indian Journal of Agricultural Sciences</i> 83(11): 1136-1143	6.15	--
96.	Pradhan S., Sehgal V.K., Das D.K., Bandyopadhyay K.K. and Singh R.	2013	Evaluation of pan coefficient methods for estimating FAO-56 reference crop evapotranspiration in a semi-arid environment	<i>Journal of Agrometeorology</i> 15 (Special Issue-I): 1-4	6.36	--
97.	Pradhan S., Chopra U.K., Bandyopadhyay K.K., Krishnan P., Singh R. and Jain A.K.	2013	Soil water dynamics, root growth, water and nitrogen use efficiency of rainfed maize in a semi arid environment.	<i>Indian Journal of Agricultural Sciences</i> 83(5): 542-548	6.18	4
98.	Pramanik P. and Aggarwal P.	2013	Delineation of compact zone by spatial variability analysis of soil physical properties	<i>International Journal of Agricultural Sciences and Research</i> 3: 129-142	6.14	--



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99.	Pramanik P., Aggarwal P. and Dey P.	2013	Model for calculation of penetration resistance from easily measurable soil properties	<i>Indian Journal of Agricultural Sciences</i> 83(3): 294-299	6.14	--
100.	Prasanna Kumar N.R., Chander S. and Sahoo R.N.	2013	Spectral signatures of rice crop damaged by brown plant hopper under field and glass house conditions	<i>Current Biotica</i> 7(3): 124-133	3.68	--
101.	Prasannakumara N.R., Chander S., Sahoo R.N. and Gupta V.K.	2013	Assessment of Brown Planthopper, ( <i>Nilaparvata-lugens</i> ) [Stal], damage in rice using hyperspectral remote sensing, International	<i>Journal of Pest Management</i> 59(3): 180-188	6.96	8
102.	Rawat K.S., Mishra A.K., Sehgal V.K., Ahmed N. and Tripathi V.K.	2013	Comparative evaluation of horizontal accuracy of elevations of selected ground control points from ASTER and SRTM DEM with respect to CARTOSAT-1 DEM: a case study of Shahjahanpur district, Uttar Pradesh, India	<i>Geocarto International</i> 28(5): 439-452	7.38	14
103.	Saad G.I., Sahoo R.N., Pandey R., Mandal B., Gupta V.K. Singh R. and Sinha P.	2013	Spectral reflectance pattern in soybean for assessing yellow mosaic disease	<i>Indian Journal of Virology</i> 24(2): 242-249	5.0	3
104.	Sawant C.P., Sharma P.K., Samuel D.V.K., Divekar S.K. and Sahoo R.N.	2013	Performance evaluation of a solar dryer for sapota drying	<i>International Journal of Engineering &amp; Science Research</i> 3(6): 4114-4120	-	-
105.	Vashisth A., Meena N., Joshi D.K. and Singh R.	2013	Biophysical and growth parameters in relation to yield in sunflower ( <i>Helianthus annuus</i> )	<i>Indian Journal of Agricultural Science</i> 83(2): 237-239	6.14	1
106.	Vashisth A., Singh R. and Joshi D.K.	2013	Exposure of static magnetic field on germination and seedling growth in tomato ( <i>Solanum lycopersicum</i> )	<i>Journal of Agricultural Physics</i> 13(2): 182-185	4.13	1
107.	Vashisth A., Singh R., Das D.K. and Baloda R.	2013	Weather based Agromet advisories for enhancing the production and income of the farmers under changing climate scenario	<i>International Journal of Agriculture and Food Science Technology</i> 4(9): 847-850	-	1
108.	Abeysingha N.S., Singh M., Sehgal V.K., Khanna M. and Pathak H.	2014	Analysis of Rainfall and Temperature Trends in Gomti River Basin	<i>Journal of Agricultural Physics</i> 14(1): 56-66	4.31	1





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109.	Aggarwal P., Garg R.N., Chakraborty D., Kamble K.H. and Singh R.	2014	Bed planting for enhancing input use efficiency of crops	<i>Indian Farming</i> 63(12): 07-10	--	--
110.	Bandyopadhyay K.K. and Lal R.	2014	Effect of land use management on greenhouse gas emissions from water stable aggregates	<i>Geoderma</i> 232-234: 363-372	8.77	6
111.	Bandyopadhyay K.K., Pradhan S., Sahoo R.N., Singh R., Gupta V.K., Joshi D.K. and Sutradahar A.K.	2014	Characterization of water stress and prediction of yield of wheat using spectral indices under varied water and nitrogen management practices	<i>Agricultural Water Management</i> 146: 115-123	8.29	11
112.	Bhaduri D., Purakayastha T.J., Patra A.K. and Chakraborty D.	2014	Evaluating soil quality under a long-term integrated tillage-water-nutrient experiment with intensive rice-wheat rotation in a semi-arid Inceptisol, India	<i>Environmental Monitoring and Assessment</i> 186: 2535-2547	7.59	1
113.	Chakraborty D., Watts C.W., Powelson D.S., Macdonald A.J., Ashton R.W., White R.P. and Whalley W.R.	2014	Triaxial testing to determine the effect of soil type and organic carbon content on soil consolidation and shear deformation characteristics	<i>Soil Science Society of America Journal</i> 78: 1192-1200	7.82	2
114.	Das S., Krishnan P., Nayak M. and Ramakrishnan B.	2014	High temperature stress effects on pollens of rice ( <i>Oryza sativa</i> L.) genotypes	<i>Environmental Experimental Botany</i> 101: 36-46	8.58	24
115.	Das T.K., Bhattacharyya R., Sudhishri S., Sharma A.R., Saharawat Y.S., Bandyopadhyay K.K., Sepat S., Bana R.S., Aggarwal P., Sharma R.K., Bhatia A., Singh G., Datta S.P., Kar A., Singh B., Singh P., Pathak H., Vyas A.K. and Jat M.L.	2014	Conservation agriculture in an irrigated cotton-wheat system of the western Indo-Gangetic Plains: Crop and water productivity and economic proatability	<i>Field Crops Research</i> 158: 24-33	8.98	13
116.	Dhawan A.K., Mukherjee J., Kang G.S. and Singh H.	2014	Fertilization Unsuitability Index for Assessing Fertilizer Induced Contamination Risk in Soils of Cotton-Wheat System of South Punjab Districts	<i>Indian Journal of Ecology</i> 41(2): 262-268	3.56	3
117.	Garg R.N., Gupta V.K., Singh S., Tomar R.K. and Chakraborty D.	2014	Growth Assessment of wheat using remote sensing techniques under various mulch and nitrogen levels in a semi-arid Delhi region	<i>Journal of Agricultural Physics</i> 14:44-49	4.31	1



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118.	Hati K.M., Chaudhary R.S., Mohanty M., Biswas A.K. and Bandyopadhyay K.K.	2014	Short-term tillage and fertilization impacts on soil organic carbon, aggregate stability and yield of soybean-wheat system in deep black soils of central India	<i>Journal of the Indian Society of Soil Science</i> 62(3): 224-234	5.23	--
119.	Krishnan P., Chopra U.K., Verma A.P.S., Joshi D.K. and Chand I.	2014	NMR relaxation characterisation of seed water status in developing maize ( <i>Zea Maize</i> L.) kernels grown at different nitrogen levels	<i>Journal of Bioscience and Bioengineering (Japan)</i> 117(4): 512-518	7.74	2
120.	Krishnan P., Singh R., Verma A.P.S., Joshi D.K. and Singh S.	2014	Changes in seed water status as characterized by NMR in developing soybean seed grown under moisture stress conditions	<i>Biophysical Biochemical Research Communications</i> 444: 485-490	8.41	4
121.	Mahajan G.R., Pandey R.N., Datta S.C., Kumar D., Sahoo R.N. and Parsad R.	2014	Fertilizer Nitrogen, Phosphorus and Sulphur Prescription for Aromatic Hybrid Rice ( <i>Oryza sativa</i> L.) using Targeted Yield Approach	<i>Proc. Natl Acad. Sci., India Sect. B. Biol. Sci</i> 84 (3): 537-547	8.06	1
122.	Mahajan G.R., Sahoo R.N., Pandey R.N., Gupta V.K. and Kumar D.	2014	Using hyperspectral remote sensing techniques to monitor nitrogen, phosphorus, sulphur and potassium in wheat ( <i>Triticum aestivum</i> L.) Precision Agriculture	<i>Precision Agriculture</i> 15(5): 499-522	7.93	11
123.	Mahajan G.R., Pandey R.N., Kumar D., Datta S.C., Sahoo R.N. and Prasad R.	2014	Development of critical values for the leaf color chart, SPAD and Field scout CM 1000 for fixed time adjustable nitrogen management in aromatic hybrid rice ( <i>Oryza sativa</i> L.)	<i>Communications in Soil Science and Plant Analysis</i> 45(14): 1877-1893	6.39	2
124.	Mishra A., Das D.K., Singh J., Jain A.K. and Singh R.	2014	GIS Based Decision Support System of <i>Spodoptera litura</i> (Fabricius) (Noctuidae: Lepidoptera) in Soybean	<i>Indian Cartographer</i> XXXIII: 273-277	--	--
125.	Moharana P.C., Biswas D.R., Patra A.K., Datta S.C., Singh R.D., Lata and Bandyopadhyay K.K.	2014	Soil Nutrient Availability and Enzyme Activities under Wheat-Greengram Crop Rotation as Affected by Rock Phosphate Enriched Compost and Inorganic Fertilizers	<i>Journal of the Indian Society of Soil Science</i> 62(3): 224-234	5.23	--



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
126.	Mukherjee J., Das D.K., Sehgal V.K., Vashisth A., Singh R. and Barari S.K.	2014	South West Monsoon and Food Grain Production of India	<i>Journal of Agricultural Physics</i> 14(1): 73-79	4.31	--
127.	Mukherjee J., Singh G and Bal S.K.	2014	Radiation use efficiency (RUE) and instantaneous photosynthesis at different growth stages of wheat ( <i>Triticum aestivum</i> ) in semi arid ecosystem of Central Punjab, India	<i>Journal of Agrometeorology</i> 16(1): 69:77	6.15	1
128.	Nagaraja A., Sahoo R.N., Usha K., Singh S.K., Sivaramanae N. and Gupta V.K.	2014	Spectral discrimination of healthy and malformed mango panicles using Spectroradiometer	<i>Indian Journal of Horticulture</i> 71(1): 40-44	6.13	1
129.	Pathak H., Pramanik P., Khanna M. and Kumar A.	2014	Climate change and water availability in Indian agriculture: Impacts and adaptation	<i>Indian Journal of Agricultural Sciences</i> 84(6): 671-9	6.14	1
130.	Pradhan S., Bandyopadhyay K.K., Sahoo R.N., Sehgal V.K., Singh R., Gupta V.K. and Joshi D.K.	2014	Predicting wheat grain and biomass yield using canopy reflectance of booting stage	<i>Journal of Indian Society of Remote Sensing</i> 42: 711-718	6.76	5
131.	Pradhan S., Sehgal V.K., Das D.K., Jain A.K., Bandyopadhyay K.K., Singh R. and Sharma P.K.	2014	Effect of weather on seed yield and radiation and water use efficiency of mustard cultivars in a semi-arid environment	<i>Agricultural Water Management</i> 139: 43-52	8.29	10
132.	Pradhan S., Sehgal V.K., Sahoo R.N., Bandyopadhyay K.K. and Singh R.	2014	Yield, water, radiation and nitrogen use efficiencies of wheat as influenced by nitrogen levels in a semi-arid environment	<i>Indian Journal of Agronomy</i> 59(2): 267-275	5.00	1
133.	Prasannakumar, N.R., Chander S. and Sahoo R.N.	2014	Characterization of brown plant hopper damage on rice crops through hyperspectral remote sensing under field conditions	<i>Phytoparasitica</i> 42:387-395	6.90	6
134.	Sivasakth S., Khanna M., Singh M., Parihar S.S., Singh D.K., Kumar R. and Sahoo R.N.	2014	Distribution of Water and Nitrogen in Soil Under Drip and Microsprinkler Irrigation Fertigation of Garlic ( <i>Allium sativum</i> L.) crop	<i>Asian Journal of Applied Sciences</i> 7(6):453-469	--	--



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
135.	Tyagi S.K., Singh R., Krishnan P. and Verma R.	2014	Variations in Meteorological Condition resulted decline in wheat yield in North-West Indo-Gangetic Plains	<i>Journal of Agricultural Physics</i> 13(2):175-181	4.31	--
136.	Vashisth A., Singh R. and Choudary M.	2014	Crop yield forecast at different growth stage of wheat crop using statistical model under semi arid region	<i>Journal of Agroecology and Natural Resource Management</i> 1(1): 1-3	--	1
137.	Venugopalan M.V., Tiwari P., Ray S.K., Chatterji S., Velmourougane K., Bhattacharyya T. and Bandyopadhyay K.K. et al.	2014	InfoCrop-cotton simulation model- its application in land quality assessment for cotton cultivation	<i>Current Science</i> 107(9): 1512-1518	6.97	--
138.	Abeysingha N.S., Singh M., Sehgal V.K., Khanna M., Pathak H. and Srinivasan P.J.R.	2015	Assessment of water yield and evapotranspiration over 1985 to 2010 in the Gomti River basin in India using the SWAT model	<i>Current Science</i> 108(12): 2202-2212	6.97	2
139.	Bandyopadhyay K.K. and Lal R.	2015	Effect of long-term land use management practices on distribution of C and N pools in water stable aggregates in Alfisols	<i>Journal of the Indian Society of Soil Science</i> 63(1): 53-63	4.95	--
140.	Bandyopadhyay K.K., Sahoo R.N., Singh R., Pradhan S., Singh S., Krishna G, Pargal S. and Mahapatra S.K.	2015	Characterization and crop planning of rabi fallows using remote sensing and GIS	<i>Current Science</i> 108: 2051-2062	6.97	--
141.	Das B.S., Sarathjith M.C., Santra P., Sahoo R.N., Srivastava R., Routray A. and Ray S.S.	2015	Hyperspectral remote sensing: opportunities, status and challenges for rapid soil assessment in India	<i>Current science</i> 108(5): 860-868	6.97	1
142.	Das S., Krishnan P., Mishra V., Kumar R., Ramakrishnan B. and Singh N.K.	2015	Proteomic changes in rice leaves grown under open field high temperature stress conditions	<i>Molecular Biology Reports</i> 42(11): 1545-1558	8.02	1
143.	Das T.K., Bandyopadhyay, K.K., Bhattacharyya R, Sudhishri S., Sharma A.R., Behera U.K., Saharawat Y.S., Sahoo P.K., Pathak H., Vyas A.K., Bhar L.M., Gupta H.S. and Jat M.L.	2015	Effects of conservation agriculture on crop productivity and water-use efficiency under an irrigated pigeonpea-wheat cropping system in the western Indo-Gangetic Plains	<i>Journal of Agricultural Science (Cambridge)</i>	6.65	2



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
144.	Golui D., Datta S.P., Rattan R.K., Dwivedi B.S., Meena M.C. and Bandyopadhyay K.K.	2015	Release of zinc and cadmium from sludge amended soil as influenced by varying levels of moisture and temperature	<i>Journal of Environmental Biology</i> 36(4): 979-984	6.56	--
145.	Golui D., Datta S.P., Rattan R.K., Dwivedi B.S., Meena M.C. and Bandyopadhyay K.K.	2015	Release of Metals from Sludge Amended Acid and Alkaline Soils Under Different Levels of Moisture and Temperature	<i>Proc. Natl. Acad. Sci., India, Sect. B Biol. Sci.</i> DOI: 10.1007/s40011-015-0560-7	6.00	--
146.	Gorai T., Ahmed N., Patra A.K, Sahoo R.N., Sarangi A., Meena M.C., and Sharma R.K.	2015	Site specific nutrient management of an intensively cultivated farm using geo-statistical approach	<i>Proc. Natl Acad. Sci., India Sect. B. Biol. Sci.</i> DOI: 10.1007/s40011-015-0590-1 (Aug. 2015)	8.06	--
147.	Gorai T., Ahmed N., Sahoo R.N., Pradhan S., Datta S.C., and Sharma R.K.	2015	Spatial variability mapping of soil properties at farm scale	<i>Journal of Agricultural Physics</i> 15(1): 29-37	4.31	--
148.	Hati K.M., Chaudhary R.S., Mandal K.G., Bandyopadhyay K.K., Singh R.K., Sinha N.K., Mohanty M., Somasundaram J. and Saha R.	2015	Effects of tillage, residue and fertilizer nitrogen on crop yields, and soil physical properties under soybean-wheat rotation in vertisols of central India	<i>Agricultural Research</i> DOI 10.1007/s40003-014-0141-7	5.88	--
149.	Kumar P., Sarangi A., Singh D.K., Parihar S.S. and Sahoo R.N.	2015	Simulation of salt dynamics in the root zone and yield of wheat crop under irrigated saline regimes using SWAP model	<i>Agricultural Water Management</i> 148:72-83	8.29	12
150.	Mali SS, Singh D.K., Sarangi A., Khanna M., Parihar SS and Das D.K.	2015	Variability mapping of crop evapotranspiration for water footprint assessment at basin level	<i>Indian Journal of Soil Conservation</i> 43(1): 24-32	4.90	--
151.	Mohanty M., Sinha N.K., Painuli D.K., Bandyopadhyay K.K., Hati K.M., Sammi Reddy K. and Chaudhary R.S.	2015	Modelling soil water contents at field capacity and permanent wilting point using artificial neural network for Indian soils	<i>Natl. Acad. Sci. Lett.</i> DOI 10.1007/s40009-015-0358-4	6.29	--
152.	Mukherjee J., Kumar S. and Mandal S.	2015	Surface energy fluxes and radiation interception in mustard	<i>Journal of Agrophysics</i> 15(1): 103-107	4.31	--
153.	Mukherjee J., Singh S.S., Kumar S. and Idris M.	2015	Radiation use efficiency and yield of wheat crop grown under elevated CO <sub>2</sub> and temperature in open top chamber in Patna, Bihar	<i>Journal of Agrometeorology</i> 17(2): 158-164	6.15	--



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
154.	Patle G.T., Singh D.K., Sarangi A., Rai A., Khanna M. and Sahoo R.N.	2015	Time Series Analysis of Groundwater Levels and Projection of Future Trend	<i>Journal of the Geological Society of India</i> 85(2): 232-242	6.60	5
155.	Roy T., Biswas D.R., Datta S.C., Dwivedi B.S., Lata, Bandyopadhyay, K.K., Sarkar A., Agarwal B.K. and Shahi D.K.	2015	Solubilization of Purulia rock phosphate through organic acid loaded nanoclay polymer composite and phosphate solubilizing bacteria and its effectiveness as P-fertilizer to wheat	<i>Journal of the Indian Society of Soil Science</i> 63: 327-338	5.23	--
156.	Sahoo R.N., Dutta D., Khanna M., Kumar N and Bandyopadhyay S.K.	2015	Drought assessment in the Dhar and Mewat Districts of India using meteorological, hydrological and remote-sensing derived indices	<i>Natural Hazards</i> 77: 733-751	7.72	5
157.	Sahoo R.N., Ray S.S. and Manjunath K.R.	2015	Hyperspectral remote sensing of agriculture	<i>Current Science</i> 108(5): 848-859	6.97	10
158.	Tripathi R., Nayak A.K., Shahid M., Lal B., Gautam P., Raja R., Mohanty S., Kumar A., Panda BB and Sahoo R.N.	2015	Delineation of soil management zones for a rice cultivated area in eastern India using fuzzy clustering	<i>Catena</i> 133: 128-136	8.82	2
159.	Tripathi R., Nayak A.K., Shahid M., Raja R., Panda B.B., Mohanty S., Kumar A., Lal B., Gautam P. and Sahoo R.N.	2015	Characterizing spatial variability of soil properties in salt affected coastal India using geostatistics and krigging	<i>Arabian Journal of Geoscience</i> 8(12): 10693-10703	7.22	6
160.	Vashisth A., Choudary M., Joshi D.K. and Baloda R.	2015	Pre harvest yield forecast in maize-mustard cropping system under semi arid region using crop simulation model	<i>International Journal of Tropical Research</i> 33(2): 1059-1067	3.03	--
161.	Vennila S., Das D.K., Singh J., Tanwar R.K., Sharma S. and Chattopadhyay C.	2015	Weather based forewarning of rice yellow stem borer <i>Scirpophaga incertulas</i> (Walker) at Raipur (Chhatisgarh, India)	<i>Journal of Rice Research</i> 8(2): 1-4	--	--
162.	Abeysingha N.S., Singh M., Sehgal V.K., Khanna M. and Pathak H.	2016	Analysis of trends in stream-flow and its linkages with rainfall and anthropogenic factors in Gomti River basin of North India	<i>Theoretical and Applied Climatology</i> 123: 785-799	8.02	2



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
163.	Abeysingha, Singh M., Islam A. and Sehgal V.K.	2016	Climate change impacts on irrigated rice and wheat production in Gomti River basin of India: a case study	<i>Springer Plus</i> 5(1): 1250 DOI: 10.1186/s40064-016-2905-y	6.98	--
164.	Ahmadzadeh R., Das D.K., Sindhu S.S., Sahoo R.N. and Prasad K.V.	2016	Energy efficient campus landscaping for mitigation of climate change effects.	<i>Indian Journal of Agricultural Sciences</i> 86(11): 1499-1503	6.00	--
165.	Chaturvedi Varun, Kumar Adarsh, Mishra I.M., Singh J.K., Sahoo R.N., Jha G.K. and Lal S.B.	2016	Study on interventions to reduce vibration transmission to power tiller operator	<i>Journal of Applied and Natural Science</i> 8(1): 265-272	5.08	--
166.	Das D., Dwivedi, B.S., Singh V.K., Datta S.P., Meena M.C., Chakraborty D., Bandyopadhyay K.K., Kumar R. and Mishra R.P.	2016	Long term effects of fertilisers and organic sources on soil organic carbon fractions under rice-wheat system in the Indo-gangetic plains of northwest India	<i>Soil Research</i>	7.32	--
167.	Desai S., Singh D.K., Sarangi A., Khanna M., Sahoo R.N. and Pathak H.	2016	Extraction of geomorphological parameters of Betwa basin using GIS and Watershed Morphology Estimation Tool (WMET)	<i>Indian Journal of Soil Conservation</i> 44(3): 241-248	4.90	--
168.	Dhir B. and Sahoo R.N.	2016	Short term studies for evaluating use of sludge as a soil supplement: a sustainable approach	<i>Advances in Agronomy and Plant Science</i> 2(01): 01-08	--	--
169.	Hussain A., Sahoo R.N., Kumar D. and Pradhan S.	2016	Relationship of Hyperspectral Reflectance Indices with Leaf Nand P Concentration, Dry Matter Accumulation and Grain Yield of Wheat	<i>Journal of the Indian Society of Remote Sensing</i> DOI: 10.1007/s12524-016-0633-y	6.76	--
170.	Jain N., Arora P., Tomer R., Mishra S.V., Bhatia A., Pathak H., Chakraborty D., Kumar V., Dubey D.S., Harit R.C. and Singh J.P.	2016	Greenhouse gases emission from soils under major crops in Northwest India	<i>Science of the Total Environment</i> 542: 551-561	9.26	5
171.	Jha S., Sehgal V.K. and Raghava R.	2016	Risk assessment of extreme Indian summer monsoon precipitation on agro-ecosystem of northern and central-east India	<i>Mausam</i> 67(1):143-154	6.31	1
172.	Jha S., Sehgal V.K., Raghava R. and Sinha M.	2016	Teleconnections of ENSO and IOD to summer monsoon and rice production potential of India	<i>Dynamics of Atmospheres and Oceans</i> 76(1): 93-104	--	--



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
173.	Krishnan P., Sharma R.K., Das A., Kukreja A., Srivastava R., Singhal R.J., Bandyopadhyay K.K., Lal K., Manjaiah K.M., Chhokar R.S. and Gill S.C.	2016	Web-based crop model: Web InfoCrop – Wheat to simulate the growth and yield of wheat	<i>Computers and Electronics in Agriculture</i> 127: 324-335	7.76	--
174.	Kumar S., Raju D., Sahoo R.N. and Chinnusamy V.	2016	Phenomics: unlocking the hidden genetic variation for breaking the barriers in yield and stress tolerance	<i>Indian Journal of Plant Physiology</i> 21(4): 409-419	5.18	--
175.	Kundu M., Krishnan P. and Singh A.M.	2016	Analysis of shoot shear strength to determine the lodging tendency in wheat	<i>International journal of Tropical Agriculture</i> 34(4): 919-924	3.03	--
176.	Ladha J.K., Tirol Padre A., Reddy C.K., Cassman K.G., Verma S., Powlson D.S., van Kessel C., Richter Daniel de B., Chakraborty D. and Pathak, H.	2016	Global nitrogen budgets in cereals: A 50-year assessment for maize, rice, and wheat production systems	<i>Nature Scientific Reports</i> 6	11.58	9
177.	Mahajan G.R., Pandey R.N., Sahoo R.N., Gupta V.K., Datta S.C., and Kumar D.	2016	Monitoring nitrogen, phosphorus and sulphur in hybrid rice ( <i>Oryza sativa</i> L.) using hyperspectral remote sensing	<i>Precision Agriculture</i> DOI: 10.1007/s11119-016-9485-2	7.93	--
178.	Patle G.T., Singh D.K., Sarangi A., Sahoo R.N.	2016	Modelling of groundwater recharge potential from irrigated paddy field under changing climate	<i>Paddy Water Environment</i> DOI: 10.1007/s10333-016-0559-6	7.15	--
179.	Pradhan S., Gorai T., Ahmed N., Bandyopadhyay K.K., Sahoo R.N., Mahapatra S.K. and Singh R.	2016	Estimating S-index, unsaturated hydraulic conductivity and diffusivity through RETC in Indian Agricultural Research Institute farm	<i>Journal of the Indian Society of Soil Science</i> 64(2): 120-127	5.23	--
180.	Pradhan S., Sehgal V.K., Das D.K., Bandyopadhyay K.K., Jain A.K. and Singh R.	2016	Soil moisture prediction, evapotranspiration, yield and water use efficiency of soybean ( <i>Glycine max</i> L.) crop under variable weather conditions in a semi arid environment	<i>Mausam</i> 67(3): 683-690	6.15	--





S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
181.	Prasanna R., Kanchan A., Ramakrishnan B., Ranjan K., Venkatachalam S., Hossain F., Shivay Y.S., Krishnan P. and Naina L.	2016	Cyanobacteria-based bioinoculants influence growth and yields by modulating the microbial communities favorably in the rhizospheres of maize hybrids	<i>European Journal of Soil Biology</i> 75(2016): 15-23	7.72	--
182.	Sarangi A., Bandyopadhyay K.K., Samal A. and Pathan A.	2016	Evaluation of FAOAqua Crop model for wheat under different irrigation regimes	<i>Journal of Applied and Natural Science</i> 8(1): 473-480	5.08	--
183.	Sehgal V.K. and Dhakar R.	2016	Geospatial approach for assessment of biophysical vulnerability to agricultural drought and its intra-seasonal variations	<i>Environmental Monitoring and Assessment</i> 188(3): 197	7.68	1
184.	Sehgal V.K., Chakraborty D. and Sahoo R.N.	2016	Inversion of radiative transfer model for retrieval of wheat biophysical parameters from broadband reflectance measurements	<i>Information Processing in Agriculture</i> 3(2): 107-118	--	2
185.	Sethi R.R., Mandal K.G., Sarangi A., Behera A., Aggarwal R., Brar A.S., Sahu A.S., Bandyopadhyay K.K. and Ambast S.K.	2016	Simulating paddy crop response to irrigation using FAO Aquacrop model: A case study	<i>Journal of Food Agriculture and Environment</i> 14(2): 99-103	5.00	--
186.	Singh A.K. and Vashisth A.	2016	Estimation of water use efficiency of mustard crop under variable weather conditions. International	<i>Journal of Tropical Agriculture</i> 34(5): 1187-1194	3.03	--
187.	Varkey L.M., Kumar P., Mridha N., Sekhara I. and Sahoo R.N.	2016	Ecosystem services and fishery production dynamics of wetland ecosystem: An appraisal of Alappuzha district of Kerala, India	<i>Fishery Technology</i> 53: 162-169	4.85	--
188.	Vashisth A. and Joshi D.K.	2016	Growth characteristics of maize seeds exposed to magnetic field	<i>Bioelectromagnetics</i> 38(2): 151-157	7.71	--
189.	Vashisth A., Singh A.K. and Choudhary M.	2016	Crop water requirement in wheat ( <i>Triticum aestivum</i> ) under variable weather condition in the semi arid region of India	<i>International Journal of Tropical Agriculture</i> 34(5): 1173-1185	3.03	--



## Faculty Profile

### Professors

S. No.	Name	Period
1.	Dr. K.S.S. Sarma	01.03.2006 to 05.09.2007
2.	Dr. N.V.K. Chakravarty	06.10.2007 to 20.11.2007
3.	Dr. (Mrs.) Usha Kiran Chopra	29.11.2007 to 31.07.2013
4.	Dr. (Mrs.) Pramila Aggarwal	16.08.2013 to 13.09.2016
5.	Dr. V.K. Sehgal	14.09.2016 - Continuing

### Heads

S. No.	Name	Period
1.	Dr. Naveen Kalra	04.08.2005 to 14.11.2007
2.	Dr. N.V.K. Chakravarty	21.11.2007 to 26.04.2009
3.	Dr. Ravender Singh	27.04.2009 to 28.02.2015
4.	Dr. (Mrs.) Pramila Aggarwal (Acting)	01.03.2015 to 12.05.2015
5.	Dr. P. Krishnan	13.05.2015 - Continuing

### Faculty Members

S. No.	Faculty Member	Qualification	Specialization	h-Index	i10-Index
1.	Dr. (Mrs.) P. Krishnan	Ph.D.	Biophysics, Environmental Physics	14	14
2.	Dr. (Mrs.) P. Aggarwal	Ph.D.	Soil Physics, Soil & Water Conservation	7	7
3.	Dr. V.K. Sehgal	Ph.D.	Agrometeorology, Remote Sensing	10	12
4.	Dr. K.K. Bandyopadhyay	Ph.D.	Soil Physics, Soil & Water Conservation	21	37
5.	Dr. (Mrs.) A. Vashisth	Ph.D.	Physics, Biophysics	7	7
6.	Dr. D.K. Das	Ph.D.	Agrometeorology	6	3
7.	Dr. R.N. Sahoo	Ph.D.	Remote Sensing	10	11
8.	Dr. J. Mukherjee	Ph.D.	Agricultural Physics, Agrometeorology	4	3
9.	Dr. D. Chakraborty	Ph.D.	Soil Physics, Soil & Water Conservation	16	20
10.	Dr. N. Mridha	Ph.D.	Agricultural Physics, Remote Sensing	2	0
11.	Ms. Monika	M.Sc.	Electronics & Instrumentation	NA	NA
12.	Mr. R.S. Jat	M.Sc.	Biophysics	NA	NA



# Agronomy

Y.S. Shivay and S.L. Jat

## Students Awarded Degree

S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
<b>Ph.D. Students</b>					
1.	2007	Kapila Shekhawat	Effect of nitrogen sources sulphur and boron levels on sunflower-mungbean cropping system	Dr. Y.S. Shivay	-
2.	2007	Ram Chandra Lakhana	Direct and residue effect of applied nutrients on mustard in Mungbean-mustard cropping system	Dr. Gajendra Giri	-
3.	2007	Omprakash Verma	Response of Ethiopian mustard ( <i>Brassica carinata</i> ) to different levels of irrigation nitrogen and sulphur	Dr. Subedar Singh	-
4.	2007	Venkta Chalapati	Optimization of rice seedling age, plant density and irrigation regimes under system of intensification (SRI)	Dr. Subedar Singh	-
5.	2008	Ram Krishna Gandhiji Idapuganti	Phosphorus management in Pigeonpea-wheat cropping system	Dr. I.P.S. Ahlawat	-
6.	2008	Ram Niwas Sepat	Effect of integrated nutrient management in wheat under different planting systems	Dr. R.K. Rai	-
7.	2008	Dibakar Mahanta	Relative performance of single super phosphate and rock phosphate in cognizance with biofertilizers on rhizosphere augmentation and productivity of soyabean-wheat cropping system	Dr. R.K. Rai	-
8.	2008	Naval Kishor Sepat	Studies on direct residual effect of organic amendments and fertility levels on productivity and soil health of rice-wheat cropping system	Dr. R.K. Rai	-
9.	2008	Raman Jeet Singh	Effect of nitrogen management through organic and inorganic sources in sole and intercropped Bt. cotton-wheat system	Dr. I.P.S. Ahlawat	-
10.	2008	Mukesh Kumar	Integrated management of <i>Cyperus rotundus</i> L. in soyabean-wheat cropping system	Dr. T.K. Das	-
11.	2009	Chiter Mal Parihar	Nutrient management in pearl millet-mustard cropping system as affected by land configuration under limited irrigation	Dr. K.S. Rana	-



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
12.	2009	Bopugonda M. Dodamani	Ecophysiological analysis of competition between <i>Chenopodium album</i> L. and wheat	Dr. T.K. Das	-
13.	2009	Prashant Shankar Bodke	Evaluation of Jatropha ( <i>Jatropha curcas</i> ) and custor ( <i>Ricinus Communis</i> ) de-oiled cuke in spring sunflower ( <i>Helianthus annuus</i> )–maize ( <i>Zea mays</i> ) sequence, and litter fall in sunflower, maize and mungbean ( <i>Vigna radiata</i> )	Dr. D.S. Rana	-
14.	2009	Harnarayan Meena	Effect of preceding short-duration summer forage crops and gypsum-enriched urea on productivity of aromatic rice	Dr. Y.S. Shivay	-
15.	2009	Sushila Sepat	Comparative evaluation of bio-fertilizers on single super phosphate and rock-phosphate in maize-wheat cropping system	Dr. R.K. Rai	-
16.	2009	Mohammad Reza Davari	Study on organic farming of rice-based cropping system with respect to nutrient management	Dr. S.N. Sharma	-
17.	2009	Nguyen Thu Guymbthuan	Evaluation of quality genotypes of <i>Oleiferous brassica</i> under different sources & levels of nutrients and their residual effect on succeeding cowpea	Dr. D.S. Rana	-
18.	2009	Moola Ram	Effect of organic manures biofertilizers in organic farming of rice ( <i>Oryza sativa</i> L.) wheat ( <i>Triticum aestivum</i> L.) cropping system	Dr. S.N. Sharma	-
19.	2009	Ram Swaroop Bana	Effect of preceding summer forage crops and phosphogypsum-enriched urea on productivity and quality of aromatic rice	Dr. Y.S. Shivay	-
20.	2009	Seema Sepat	Phosphorus management in cotton-based intercropping system	Dr. I.P.S. Ahlawat	-
21.	2010	Nand Kishor Jat	Sustainable of fertilizer nitrogen through organic sources in maize-wheat cropping sequence	Dr. Ashok Kumar	-
22.	2010	Kailash Narayan Meena	Nitrogen economy in maize ( <i>Zea mays</i> L.)-wheat ( <i>Triticum aestivum</i> L. Emend fiori & peal) sequence through integrated plant nutrient supply	Dr. Ashok Kumar	-
23.	2010	Vijay Pooniya	Summer green manuring crops and zinc fertilization for improving productivity and quality of basmati rice ( <i>Oryza sativa</i> ) wheat ( <i>Triticum aestivum</i> ) grown in sequence	Dr. Y.S. Shivay	-



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
24.	2010	Shankar Lal Jat	Effect of dual purpose summer legumes and zinc fertilization on productivity and quality of aromatic hybrid rice and their residual effects on succeeding wheat grown in a summer legume-rice-wheat cropping system	Dr. Y.S. Shivay	-
25.	2010	Mangal Deep Tuti	Studies on pre-and post-emergence use of metribuzin in soyabean and its after effects on succeeding wheat	Dr. T.K. Das	-
26.	2011	Khaled Miri	Evaluation of sweet sorghum [ <i>Sorghum bicolor</i> (L.) Moench] based cropping system under different levels of nitrogen	Dr. D.S. Rana	-
27.	2011	Sushmita Munda	Direct and residual effect of phosphorus nutrition and biofertilizer in soybean-potato cropping system	Dr. B.G. Shiva Kumar	-
28.	2011	Pramod Kumar	Studies on planting systems and phosphorus management in sole and intercropped pigeonpea under rainfed conditions	Dr. K.S. Rana	-
29.	2011	Jayanta Layek	Agro-economic assessment of different soyabean based intercropping systems as influenced by nitrogen (N) nutrition	Dr. B.G. Shiva Kumar	-
30.	2012	Gulab Singh Yadav	Influence of mulching and iron nutrition an aerobic rice grown under aerobic rice-wheat cropping system	Dr. Y.S. Shivay	-
31.	2012	Sunil Kumar Verma	Water economization in potato ( <i>Solanum tuberosum</i> ) through irrigation methods and nitrogen management and their residual effect on maize ( <i>Zea mays</i> L.)	Dr. L.K. Idnani	-
32.	2012	V. Karuna Karan	Tillage and residue management practices for improving productivity and resource use efficiency in soyabean ( <i>Glycine max</i> ) wheat ( <i>Triticum aestivum</i> ) cropping system	Dr. U.K. Behera	-
33.	2012	Meraj Alam Ansari	Productivity and water use efficiency of pearl millet ( <i>Pennisetum glaucum</i> L.) and pigeonpea ( <i>Cajanus cajan</i> L.) intercropping system as influenced by transpiration suppressants and nutrient management under rainfed conditions	Dr. K.S. Rana	-
34.	2012	Ram Lal Choudhary	Tillage and residue management effects productivity and nitrogen-use efficiency in maize ( <i>Zea mays</i> ) wheat ( <i>Triticum aestivum</i> ) cropping system	Dr. U.K. Behera	-
35.	2012	Kiran Kumar Tirumala	Recycling of legume residue for improving productivity, N economy and soil health in wheat ( <i>Triticum aestivum</i> ) based cropping systems	Dr. D.S. Rana	-



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
36.	2012	Seeta Ram	Comparative performance of biocompost and farm yard manure as nutrient source in baby corn ( <i>Zea mays</i> L.) potato ( <i>Solanum tuberosum</i> L.) mungbean ( <i>Vigna radiata</i> L.) cropping system	Dr. Ashok kumar	-
37.	2012	Subash Babu	Recycling of sunflower residue for nutrients management in pigeonpea ( <i>Cajanus cajan</i> ) – sunflower ( <i>Helianthus annuus</i> ) cropping system	Dr. D.S. Rana	-
38.	2012	Kuldeep Kumar	Conservation tillage systems for improving productivity and resource-use efficiency in cotton ( <i>Gossypium hirsutum</i> )-wheat ( <i>Triticum aestivum</i> ) cropping sequence	Dr. A.R. Sharma	-
39.	2012	Banwari Lal	Moisture conservation and nutrient management practices in Ethiopian mustard + chickpea inter cropping system under dryland conditions	Dr. K.S. Rana	-
40.	2012	Bharat Prakash Meena	Evaluation of organic sources of nutrients for improving productivity and soil health in popcorn ( <i>Zea mays</i> var. <i>Everta</i> L.) potato ( <i>Solanum tuerosum</i> )	Dr. Ashok Kumar	-
41.	2012	Lal Prasad Amgain	Conservation agriculture practices for increasing resource-use efficiency and productivity of rainfed cropping systems	Dr. A.R. Sharma	-
42.	2013	Ashaq Hussain	Nutrient omission studies in cotton ( <i>Gossypium hirsutum</i> ) – wheat ( <i>Triticum aestivum</i> ) cropping system	Dr. Dinesh Kumar	-
43.	2013	Ali Monsefi	Conservation tillage and weed management for improving resource-use efficiency and productivity of soybean ( <i>Glycine max</i> )-wheat ( <i>Triticum aestivum</i> ) cropping system	Dr. A.R. Sharma	-
44.	2013	Masoumeh Younesabadi	Weed management effects on non-target toxicity and seed bank dynamics in soybean ( <i>Glycine max</i> ) wheat ( <i>Triticum aestivum</i> ) cropping system	Dr. T.K. Das	-
45.	2013	Habibollah Kashiri	Improving nitrogen-use efficiency through essential oils coated prilled urea in aerobic rice ( <i>Oryza sativa</i> L.)–wheat ( <i>Triticum aestivum</i> L.)-cropping system	Dr. Dinesh Kumar	-
46.	2013	Dileep Kumar	Agronomic biofortification through zinc nutrition in maize ( <i>Zea mays</i> )-wheat ( <i>Triticum aestivum</i> ) cropping system	Dr. Shiva Dhar Mishra	-



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
47.	2013	Susha V.S.	Tank-mix and sequential herbicide applications for efficient weed management including cyperus rotundus in maize ( <i>Zea mays</i> ) and their carry-over effect on wheat ( <i>Triticum aestivum</i> )	Dr. T.K. Das	-
48.	2013	Sanjeev Kumar	Effect of integrated potassium fertilization on yield and quality of maize ( <i>Zea mays</i> )–wheat ( <i>Triticum aestivum</i> ) cropping system	Dr. Shiva Dhar Mishra	-
49.	2013	Hari Om	Moisture and nutrient management in greengram ( <i>Vigna radiata</i> )-mustard ( <i>Brassica juncea</i> ) cropping system under limited moisture conditions	Dr. K.S. Rana	-
50.	2014	Asha Ram	Management of sulphur deficiency for improving productivity and soil health in aerobic rice ( <i>Oryza sativa</i> L.)–wheat ( <i>Triticum aestivum</i> L.) cropping system	Dr. Dinesh Kumar	-
51.	2014	Amarpreet Singh	Effect of summer green manuring crops and zinc fertilizer sources on productivity and quality of aromatic rice ( <i>Oryza sativa</i> L.)–durum wheat ( <i>Triticum durum</i> desp.) cropping system	Dr. Y.S. Shivay	-
52.	2014	Abdolhamid Hajebi	Tillage and weed management effects on weeds and productivity of chilly ( <i>Capsicum annuum</i> ) and garlic ( <i>Allium sativum</i> )	Dr. T.K. Das	-
53.	2014	Jadhav Tushar Ankush	Effect of different combinations of phosphorus and zinc levels and their mode of application in aerobic rice ( <i>Oryza sativa</i> L.) wheat-( <i>Triticum aestivum</i> L.) cropping system	Dr. Dinesh Kumar	-
54.	2014	Kailash Prajapat	Influence of diversification of soybean ( <i>Glycine max</i> )–based cropping systems and nutrient sources on productivity and soil health	Dr. A.K. Singh	-
55.	2014	Paramesh V.	Integrated phosphorus management and zinc fortification in maize ( <i>Zea mays</i> ) – wheat ( <i>Triticum aestivum</i> ) cropping system	Dr. Shiva Dhar	-
56.	2015	Lakshman K.	Studies on performance of soybean-mustard cropping system as influenced by sulphur nutrition	Dr. A.K. Vyas	-
57.	2015	Mohammad Hashim	Influence of crop residue mixed farm yard manure and fertilizer combinations on productivity and rihzospheric environment in maize ( <i>Zea mays</i> L.) wheat ( <i>Triticum aestivum</i> L.) cropping system	Dr. Shiva Dhar	-



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
58.	2015	Gopal Lal Choudhary	Moisture management and zinc fortification in pearl millet ( <i>Pennisetum glaucum</i> L.) chickpea ( <i>Cicer arietinum</i> L.) cropping system	Dr. K.S. Rana	-
59.	2015	Ahamd Abdullah Saad	Conservation agriculture for improving productivity and resource-use efficiency in maize ( <i>Zeamays</i> ) based cropping system	Dr. T.K. Das	-
60.	2015	Gagan Deep Singh	Effect of diversification of wheat ( <i>Triticum aestivum</i> L.) based cropping systems and nutrient sources on productivity and soil quality	Dr. A.K. Vyas	-
61.	2015	Dashrath Prasad	Evaluation of maize ( <i>Zea mays</i> ) and soybean ( <i>Glycine max</i> )-based cropping systems under different tillage practices	Dr. D.S. Rana	-
62.	2015	Babu Lal Dudwal	Conservation agriculture practices for improving resource-use efficiency and productivity of rice ( <i>Oryza sativa</i> ) based cropping system	Dr. T.K. Das	-
63.	2015	Vikash Kumar	Iron management in aerobic rice ( <i>Oryza sativa</i> L.) wheat ( <i>Triticum aestivum</i> L.) cropping system	Dr. Dinesh Kumar	-
64.	2015	Tarun Paul	Evaluation of methods of cotton ( <i>Gossipium hirsutum</i> L.) establishment and zinc fertilization in Bt. Cotton-based cropping system	Dr. D.S. Rana	-
65.	2015	Mukesh Choudhary	Crop residue and sulphur management in pearl millet-mustard cropping system under different tillage practices	Dr. K.S. Rana	-
66.	2015	Rang Lal Meena	Seasonal water economization in maize ( <i>Zea mays</i> L.) through land configuration and irrigation	Dr. Lalit Kumar Idnani	-
67.	2015	Ekta Joshi	Nutrient omission studies in maize ( <i>Zea mays</i> )-wheat ( <i>Triticum aestivum</i> ) cropping system	Dr. A.K. Vyas	-
68.	2015	Prakash Chand Ghasal	Response of rice ( <i>Oryza sativa</i> ) and wheat ( <i>Triticum aestivum</i> ) varieties to zinc application	Dr. Y.S. Shivay	-
69.	2015	Rajesh Kumar Meena	Effect of residue and nitrogen management on productivity and soil health in aerobic basmati rice ( <i>Oryza sativa</i> L.) wheat ( <i>Triticum aestivum</i> L.) cropping system	Dr. Y.S. Shivay	-
70.	2015	Chaitanya Prasad Nath	Influence of tillage nitrogen and weed management on wheat and their carry-over effect on greengram	Dr. T.K. Das	-





S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
71.	2015	Anthony Imoudu Oyeogbe	Nitrogen and weed management in maize-wheat cropping system under conservation agriculture	Dr. T.K. Das	-
72.	2015	Heba Mohamed Noman	Zinc and sulphur management in groundnut –wheat cropping system	Dr. D.S. Rana	-
73.	2016	Bipin Kumar	Rhizospheric behaviour and productivity of wheat ( <i>Triticum aestivum</i> L.) varieties under optimum and stressed agronomic management conditions	Dr. Shiva Dhar	-
74.	2016	Rakesh Kuma Verma	Integrated nutrient management in direct seeded basmati rice-based cropping system	Dr. Y.S. Shivay	-
<b>M.Sc. Students</b>					
1.	2007	Lakshman K.	Studies on effect of biofertilizers and weed control measures on performance of soyabean	Dr. B.G. Shiv Kumar	-
2.	2007	Gulab Singh Yadav	Evaluation of zinc enriched urea formulations in aromatic rice ( <i>Oryza sativa</i> L.)	Dr. Dinesh Kumar	-
3.	2007	Kalyan Sahay Dodwadiya	Studies on tillage and methods of establishment on performance of different varieties of summer greengram ( <i>Vigna radiata</i> )	Dr. A.R. Sharma	-
4.	2008	Ram Lal Chowdhary	Performance of rice hybrids growth by system of rice intensification (SRI) with plant growth promoting rhizobacteria (PGPR)	Dr. Dinesh Kumar	-
5.	2008	Janak Raj Meena	Tillage and residue management effect on performance of green gram ( <i>Vigna radiata</i> ) and carbon sequestration in a maize-based cropping system	Dr. U.K. Behera	-
6.	2008	Jayanta Layek	Response of soyabean [ <i>Glycine max</i> (L.) Merrill] to sulphur and boron nutrition	Dr. B.G. Shivkumar	-
7.	2009	Ali Monsefi	Productivity of soyabean and weed dynamics as influenced by tillage and weed management options	Dr. U.K. Behera	-
8.	2009	Pavan Nimba Patil	Effect of nitrogen management for improving productivity of Bt. cotton ( <i>Gossypium hirsutum</i> ) hybrids	Dr. B. Gangiah	-
9.	2010	Niranjan Kumar Barod	Evaluation of nutrient sources and weed control measures for enhancing productivity of baby corn ( <i>Zea mays</i> L.)	Dr. Shiva Dhar	-



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
10.	2010	Bipin Kumar	Evaluation of bio-efficiency of cyhalofop-butyl for weed-management in direct seeded rice ( <i>Oryza sativa</i> L.)	Dr. Rajvir Sharma	-
11.	2010	Himanshu Singh	Seed production of <i>Dhaincha</i> ( <i>Sesbania aculeata</i> ) as influenced by nitrogen and phosphorus fertilization	Dr. B. Gangiah	-
12.	2010	Imtiyaz Ahmad	Response of basmati rice ( <i>Oryza sativa</i> L.) to inoculation of nitrogen fixing and phosphate-solubilising micro-organisms	Dr. Y.V. Singh	-
13.	2011	Epimague Nsanzabaganwa	Validation of DSSAT model in simulating nitrogen response of winter maize ( <i>Zea mays</i> ) grown under different nitrogen and phosphorus fertilization	Dr. T.K. Das	-
14.	2011	Priyanka Suryavanshi	Varietal performance and methane gas emission as influenced by stand establishment techniques in transplanted rice ( <i>Oryza sativa</i> )	Dr. Y.V. Singh	-
15.	2011	Rupa Ram Jakhar	Integrated weed management in soybean ( <i>Glycine max</i> L. Merrill)	Dr. Rajvir Sharma	-
16.	2011	Tushar R. Khare	Bio-efficacy of Penoxsulam for weed management in direct seeded and transplanted rice ( <i>Oryza sativa</i> L.)	Dr. Rajvir Sharma	-
17.	2011	Sobhna V.	Plant population and nutrient requirement of baby corn ( <i>Zea mays</i> L.) hybrid	Dr. Ashok Kumar	-
18.	2011	Jitesh Kumar Baghel	Response of rice ( <i>Oryza sativa</i> L.) varieties to nitrogen management under aerobic conditions	Dr. Y.V. Singh	-
19.	2012	Amit Anil Shahne	Influence of cyanobacteria based inoculants and cultivation methods on rice ( <i>Oryza sativa</i> L.) yield, soil carbon content and aggregation	Dr. Y.V. Singh	-
20.	2012	Rajesh Kumar Meena	Influence of plant growth – promoting rihzobacteria inoculation on physiological and agronomic traits in basmati rice ( <i>Oryza sativa</i> L.)	Dr. Y.V. Singh	-
21.	2012	Renjith, P.S.	Evaluation of propoquizaofop applied alone and in combination with other herbicides for weed management in soybean ( <i>Glycine max</i> L. Merrill)	Dr. Rajvir Sharma	-
22.	2012	Amit Kumar	Intergrated weed management in rice ( <i>Oryza sativa</i> L.) grown by system of rice intensification method	Dr. Rajvir Sharma	-



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
23.	2013	Sudhir Kumar Rajpoot	Evaluation of Bt-cotton ( <i>Gossypium hirsutum</i> L.) based intercropping systems under different planting methods	Dr. D.S. Rana	-
24.	2013	Soumya Saha	Effect of nitrogen nutrition and production techniques of rice ( <i>Oryza sativa</i> L.) on productivity, soil chemical and microbial properties	Dr. Y.V. Singh	-
25.	2013	Adarsh Kumar	Nutrient and Moisture Management in Maize ( <i>Zea mays</i> L.) soybean ( <i>Glycine max</i> L.) intercropping system under rainfed condition	Dr. K.S. Rana	-
26.	2013	Ashok Limbaji Jadhav	Response of maize hybrids to staggered planting under changing climatic scenario	Dr. Ashok Kumar	-
27.	2014	Dinesh Jinger	Evaluation of post-emergence and sequential application of herbicides for weed management in mungbean ( <i>Vigna radiata</i> L. Wilezek)	Dr. Rajvir Sharma	-
28.	2014	Devideen Yadav	Phosphorus management in aerobic rice	Dr. Y.V. Singh	-
29.	2014	Vijay Kumar S.	Nutrient management of maize genotypes under conservation agriculture using nutrient expert decision support system	Dr. A.K. Singh	-
30.	2014	Kamlesh Kumar	Effect of nitrification inhibitors on productivity and nitrogen use efficiency of maize ( <i>Zea mays</i> L.)	Dr. Ashok Kumar	-
31.	2015	Subrata Kumar Mohanthy	Precision nitrogen management in wheat under conservation agriculture	Dr. A.K. Singh	-
32.	2015	Amir Jan	Effect of plant Growth promoting rhizobacteria on productivity and nutrient use efficiency of wheat ( <i>Triticum aestivum</i> L.)	Dr. Dinesh Kumar	-
33.	2015	Arka Prabha Ghosh	Simulation of maize genotype responses to chlorophyll meter based nitrogen application using DAASTV G.S. Model	Dr. Anchal Dass	-
34.	2015	Ashish Ghosh	Tillage and nutrient management effects on productivity and nutrient use efficiency of maize	Dr. C.M. Parihar	-
35.	2015	Virendra Pratap Verma	Effect of variable rate of N-application on productivity and profitability of Bt. Cotton	Dr. Ramanajit Kaur	-
36.	2015	Malu Ram Yadav	Performance of maize ( <i>Zea mays</i> L.) under long term tillage practices and diversification cropping systems	Dr. C.M. Parihar	-



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
37.	2016	Rohullah	Integrated crop management modules for enhancing productivity and profitability of soyabean ( <i>Glycine max</i> L.)	Dr. Anil Kumar Choudhary	-
38.	2016	Anita Kumawat	Water and nitrogen management in direct seeded rice	Dr. Seema Sepat	-
39.	2016	Bharat Raj Meena	Nitrogen management under conservation agriculture in maize ( <i>Zea mays</i> L.)	Dr. S.L. Jat	-

### Foreign Students Awarded Degree

S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
<b>Ph.D. Students</b>					
1.	2011	Khaled Miri	Evaluation of sweet sorghum ( <i>Sorghum bicolor</i> (L.) Moench based cropping system under different levels of nitrogen	Dr. D.S. Rana	Iran
2.	2012	Lal Prasad Amgain	Conservation agriculture practices for increasing resource-use efficiency and productivity of rainfed cropping systems	Dr. A.R. Sharma	Nepal
3.	2013	Ali Monsafi	Conservation tillage and weed management for improving resource-use efficiency and productivity of soybean ( <i>Glycine max</i> )-wheat ( <i>Triticum aestivum</i> ) cropping system	Dr. A.R. Sharma	Iran
4.	2013	Masoumeh Younesabadi	Weed management effect on non-target toxicity and seed bank dynamics in soybean ( <i>Glycine max</i> ) wheat ( <i>Triticum aestivum</i> ) cropping system	Dr. T.K. Das	Iran
5.	2013	Habibollah Kashiri	Improving nitrogen-use efficiency through essential oils coated prilled urea in aerobic rice ( <i>Oryza sativa</i> L.)-wheat ( <i>Triticum aestivum</i> L.)-cropping system	Dr. Dinesh Kumar	Iran
6.	2014	Abdolhamid Hajebi	Tillage and weed management effects on weeds and productivity of chilly ( <i>Capsicum annuum</i> ) and garlic ( <i>Allium sativum</i> )	Dr. T.K. Das	Iran
7.	2015	Amir Jan	Effect of plant Growth promoting rhizobacteria on productivity and nutrient use efficiency of wheat ( <i>Triticum aestivum</i> L.)	Dr. Dinesh Kumar	Afghanistan
8.	2015	Anthony Imoudu Oyeogbe	Nitrogen and weed management in maize-wheat cropping system under conservation agriculture	Dr. T.K. Das	Nigeria



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
9.	2015	Heba Mohamed Noman	Zinc and sulphur management in groundnut –wheat cropping system	Dr. D.S. Rana	Egypt
10.	2016	Rohullah	Integrated crop management modules for enhancing productivity and profitability of soyabean ( <i>Glycine max</i> L.)	Dr. Anil Kumar Choudhary	Afghanistan
<b>M.Sc. Students</b>					
1.	2009	Ali Monsefi	Productivity of soyabean and weed dynamics as influenced by tillage and weed management options	Dr. U.K. Behera	Iran
2.	2009	Mohammad Reza Davari	Study on organic farming of rice based cropping system with respect to nutrient management	Dr. S.N. Sharma	Iran
3.	2009	Nguyen Thu Guymbthuan	Evaluation of quality genotypes of oleiferous brassica under different sources & levels of nutrients and their residual effect on succeeding cowpea	Dr. D.S. Rana	Vietnam
4.	2011	Epimague Nsanzabaganwa	Validation of DSSAT model in simulating nitrogen response of winter maize ( <i>Zea mays</i> ) grown under different nitrogen and phosphorus fertilization	Dr. T.K. Das	Nigeria

### Training Courses/Winter/Summer School/Workshop Organized

S. No.	Year	Title of Training Programme	Number of Trainees	Name(s) of the Course Director and Co-ordinators
1.	2014	Recent Innovations for improving nutrient use efficiency through integrated nutrient management in major field crops dated August 06 to 26 August 2014	25	Dr. Y.S. Shivay Dr. Dinesh Kumar Dr. S.L. Meena
2.	2013-2014	"Subject matter training on Agronomy to Afghanistan scientist" sponsored by Ministry of External Affairs, Government of India and Indian Council of Agricultural Research, New Delhi from 1.07.2013 to 31.01.2014 at IARI, New Delhi-12	35	Dr. K.S. Rana
3.	2016	Precision Conservation Agriculture for Climatic Change Adaptation and Mitigation in Cereal System	21	Dr. A.K. Singh Drs: C.M. Parihar and S.L. Jat
4.	2015	Production, protection and value addition for maize based production systems (Model training)	37	Dr. Ashok Kumar Drs: C.M. Parihar and S.L. Jat
5.	2014	Practices for conservation agriculture and climate resilient Maize system (Model training)	29	Dr. A.K.Singh Drs: C.M. Parihar and S.L. Jat
6.	2016	Model training on conservation agriculture and climate resilient Maize system (Model training)	40	Dr. Ashok Kumar Drs: C.M. Parihar



S. No.	Year	Title of Training Programme	Number of Trainees	Name(s) of the Course Director and Co-ordinators
7.	2015	Recent technologies of maize based production systems and value addition (TSP training)	39	Dr. Ashok Kumar Dr. C.M. Parihar
8.	2014	Recent technologies of maize based production systems and value addition (TSP training)	48	Dr. Ashok Kumar Dr. C.M. Parihar
9.	2014	Recent technologies of maize based production systems and value addition (TSP training)	47	Dr. Ashok Kumar Dr. C.M. Parihar
10.	2016	Recent innovations in management of organic production systems dated 05-25 August 2016 (21 days)	25	Dr. Dinesh Kumar Dr. Y.S. Shivay Dr. S.L. Meena

### Training Received by the Faculty Members within the Country

S. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
1.	2008	Dr. C.M. Parihar	Remote sensing geographical information system and global positioning system sponsored by national natural resource management system	3 months	IARI, New Delhi
2.	2010	Dr. S.L. Jat and Dr. C.M. Parihar	Conservation agriculture for enhancing resource use efficiency and crop productivity	8 days	IARI, New Delhi
3.	2010	Dr. C.M. Parihar	Recent advances in chemical and non chemical approaches of weed management in cropped and non cropped areas	21 days	IARI, New Delhi
4.	2011	Dr. C.M. Parihar	Recent Advances in Designing and Analysis of Agricultural Experiments	21 days	IASRI, New Delhi
5.	2012	Dr. S.L. Jat	Sensor based application for enhancing input-use efficiency by Wireless irrigation and Fertigation control	14 days	WTC, IARI, New Delhi
6.	2012	Seema Sepat	Advance course-Asia on conservation agriculture: Gateway for productive and Sustainable Cropping Systems	13 days	CIMMYT India and Punjab Agricultural University, Ludhiana, Punjab
7.	2012	Seema Sepat	Sustainable Natural Resource Management for Ecological Agriculture	13 days	Punjab Agricultural University, Ludhiana, Punjab
8.	2013	Dr. Vijay Pooniya	Advances in experimental designs for development of technologies in agriculture	21 days	IASRI
9.	2013	Dr. Vijay Pooniya	Project formulation, risk assessment, scientific report writing & presentation	5 days	IARI
10.	2013	Dinesh Kumar	Project formulation, risk assessment, scientific report writing & presentation	5 days	IARI, New Delhi



### Training Received by the Faculty Members Outside the Country

S. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
1.	2008	Dr. Y.S. Shivay	Visiting Specialist through The Research Council of Norway	28 days	The Norwegian University of Life Sciences, Aas, Norway
2.	2009	Dinesh Kumar	Advanced study/ research on Organic Agriculture	6 months	University of Newcastle Upon Tyne, United Kingdom
3.	2010	Dr. C.M. Parihar	Breeding Quality Protein Maize and Data Analysis using Field Book and BMZ Project	4 days	CIMMYT & BARI, Bangladesh
4.	2012	Dr. S.L. Jat	Laying the groundwork for sustainable and productive cropping systems	35 days	CIMMYT HQ, El Batan, Mexico

### Awards Conferred on Faculty Members

S. No.	Year	Name of the Faculty Member	Name of Award Received	Institution which Gave the Award
1.	2008	Dinesh Kumar	Commonwealth Academic Staff Fellowship 2008	Commonwealth Scholarship Commission, London, United Kingdom
2.	2009	Drs. Y.S. Shivay, T.K. Das, Ashok Kumar, D.S. Rana, K.S. Rana	Indian Society of Agronomy	Fellow
3.	2009	Dr. Y.S. Shivay	Distinguished Scientist Award	Society for Recent Development in Agriculture
4.	2009	Dr. Y.S. Shivay	Best Teacher Award	Indian Agricultural Research Institute
5.	2010	Drs. C.M. Parihar and S.L. Jat	FAI Shriram Puraskar	The Fertiliser Association of India
6.	2010	Dinesh Kumar	Dr. D.N. Puri Memorial Award for the Biennium 2007-2008	PG School, Division of Agronomy, ICAR-IARI, New Delhi
7.	2011	Dinesh Kumar	III Prize for the Best Speaker in Hindi. Speech title "Sasyakriy aonkaro gprab and hanmein yogdan' on 22-12-2011	ICAR-IARI, New Delhi
8.	2012	Dr. Y.S. Shivay	FAI Golden Jubilee Award of Excellence	The Fertiliser Association of India
9.	2012	Dr. Y.S. Shivay	FAI Shriram Puraskar	The Fertiliser Association of India
10.	2012	Dr. Vijay Pooniya	Best PhD thesis Award	Indian Society of Agronomy



S. No.	Year	Name of the Faculty Member	Name of Award Received	Institution which Gave the Award
11.	2012	Dinesh Kumar	II Prize for the Best Speaker in Hindi. Speech title "Sasyakriy aonkapad aproprab and hanme in yogdan' on 25-09-2012	Division of Agronomy, ICAR-IARI, New Delhi
12.	2012	Dr. Vijay Pooniya	Elected as Zonal Coordinator for assisting in monitoring/coordinating agronomic trials at various AICRP centres	Indian Institute of Maize Research, New Delhi
13.	2013	Dr. Vijay Pooniya	First Prize in Badminton team event	NAARM
14.	2013	Drs. C.M. Parihar, A.K. Singh and S.L. Jat	FAI Shriram Puraskar	The Fertiliser Association of India
15.	2013	Dr. A.K. Choudhary	P. S. Deshmukh Young Agronomist Award	Indian Society of Agronomy
16.	2013	Drs. Shiva Dhar and Anchal Dass	Fellow	Indian Society of Agronomy
17.	2014	Dr. Seema Sepat	Hindi article	Fertiliser Association of India
18.	2014	Dr. Seema Sepat	Hindi article	ICAR-DWR, Karnal Haryana
19.	2014	Dr. C.M. Parihar	P. S. Deshmukh Young Agronomist Award	Indian Society of Agronomy
20.	2014	Drs. S.L. Jat, C.M. Parihar and A.K. Singh	Best poster award	12 <sup>th</sup> Asian Maize conference
21.	2014	Dinesh Kumar	III Prize for the Best Speaker in power point presentation in Hindi title "Jalvayupa rivartanev amfasal prab and han" on 07-03-2014, at Plant Virus Unit Auditorium	ICAR-IARI, New Delhi
22.	2014	Dinesh Kumar	Pusa Vishisht Hindi Pravakta Puruskaar 2013-14	ICAR-IARI, New Delhi
23.	2014	Dinesh Kumar	ISA Fellow 2012	Indian Society of Agronomy
24.	2014	Asha Ram, Dinesh Kumar and Anjali Anand	Dhiru Morarji Memorial Award for Best Article 2013-2014	Fertiliser Association of India, New Delhi
25.	2014	Dinesh Kumar	III Prize for the Best Speaker in power point presentation in Hindi title "Tikaaukrishi: Aavashyaktaa evamvikalp". Theme-Tikaaukheti, on 05-12-2014	ICAR-IARI, New Delhi
26.	2014	Dr. C.M. Parihar	Silver medal, in badminton singles (Men) event	ICAR inter Zonal Sports Tournament





S. No.	Year	Name of the Faculty Member	Name of Award Received	Institution which Gave the Award
27.	2014	Dr. Vijay Pooniya	Deputed as Team Leader for ICAR's 19th All India Entrance Examination for admission to Bachelor's and Master's degree programme in agriculture and allied subjects for the academic session of 2014-15 at Bikaner centre	Indian Council of Agricultural Research
28.	2015	Dinesh Kumar	Prize for the Best Speaker "GM faslon-kesambh aavitku prabha avevamunk aasama adhaan". Theme- Theme-GM faslen-janm se pahlemrityu (GM crops-Stillborn in India)	ICAR-IARI, New Delhi
29.	2015	Dinesh Kumar	IARI Best Teacher Award, 2015	PG School, ICAR-IARI, New Delhi
30.	2014-15	Dr. C.M. Parihar	Associate Editor-Indian Journal of Agronomy	Indian Society of Agronomy
31.	2015	Dr. Seema Sepat	Norman E. Borlaug International Agricultural Science and Technology Fellowship Programme – 2015	USDA
32.	2015	Dr. Y.S. Shivay	FAI Shriram Puraskar	The Fertiliser Association of India
33.	2015	Dr. Y.S. Shivay	SAP Gold Medal	The Society of Agricultural Professionals
34.	2015	Dr. Vijay Pooniya	First Prize in Badminton team event	NDRI
35.	2015	Dr. C.M. Parihar	Young Scientist Award	ICAR-Indian Institute of Maize Research, New Delhi
36.	2015	Dr. C.M. Parihar	Outstanding Research Contribution Award	ICAR-Indian Institute of Maize Research, New Delhi
37.	2016	Dr. C.M. Parihar	Gold medal, in badminton team event	ICAR central zone Sports Tournament
38.	2016	Dr. Vijay Pooniya	Second prize in oral presentation	In: National Seminar on Agriculture Resource Management for Sustainability and Eco-Restoration
45.	2016	Dr. Vijay Pooniya	First Prize in Badminton singles & doubles	IARI
46.	2016	Drs. S.L. Jat, C.M. Parihar and A.K. Singh	Best poster award, 4 <sup>th</sup> International Agronomy Congress held at New Delhi, India	Indian Society of Agronomy
47.	2016	Drs. S.L. Jat, C.M. Parihar and A.K. Singh	Best poster award	National Seminar on Integrating Agri-Horticultural and Allied Research for Food and Nutritional Security in the Era of Global Climate Disruption
48.	2016	Drs. C.M. Parihar and S.L. Jat	FAI-Dhiru Morarji Award	The Fertiliser Association of India
49.	2016	Dr. Y.S. Shivay	IZA-FAI	The Fertiliser Association of India



## Faculty Participation in International Conference/Seminar/Assignments

S. No.	Year	Name of the Faculty Member	Name of International Conference/Seminar/Assignments	Duration	Place Visited
1.	2011	Dr. C.M. Parihar	Maize Group Meeting of CSISA Project	27 Feb. to 2 March, 2011	Kathmandu, Nepal
2.	2011	Dr. C.M. Parihar	5 <sup>th</sup> World Congress of Conservation Agriculture Incorporating 3 <sup>rd</sup> Farming Systems Design Conference	26-29 Sept., 2011	Brisbane, Australia
3.	2011	Drs. Vijay Pooniya, S.L. Jat and Y.S. Shivay	3 <sup>rd</sup> International Zinc Symposium	10-14 October	Hyderabad
4.	2012	Dr. C.M. Parihar and S.L. Jat	1 <sup>st</sup> ICC India Grains Conference	16-18 Jan., 2012	New Delhi, India
5.	2012	Dr. C.M. Parihar and S.L. Jat	International conference on climate change, sustainable agriculture & public leadership	7-9 Feb., 2012	New Delhi, India
6.	2012	Dr. C.M. Parihar, Vijay Pooniya and S.L. Jat	3 <sup>rd</sup> International Agronomy Congress	26-30 Nov., 2012	New Delhi, India
7.	2013	Dr. Vijay Pooniya	International Conference on Impact of Technological Tools on Food Security under Global Warming Scenario	11-13 May	Meerut
8.	2014	Dr. Seema Sepat	6 <sup>th</sup> World Congress on Conservation Agriculture	22-25 June	Winnipeg, Manitoba, Canada
9.	2014	Dr. C.M. Parihar, Vijay Pooniya, A.K. Singh and S.L. Jat	12 <sup>th</sup> Asian Maize Conference	30 Oct. to Nov. 1, 2014	Bangkok, Thailand
10.	2014	Dr. Seema Sepat	Conservation Agriculture for Smallholders in Asia and Africa	7-11 December	Mymen Singh, Bangladesh
11.	2014	Dr. Y.S. Shivay	SLCARP International Agricultural Research Symposium	11-12 August	Colombo, Sri Lanka
12.	2015	Dr. C.M. Parihar and S.L. Jat	International conference on Natural Resources Management for Food Security and Rural livelihoods	10-13 Feb., 2015	New Delhi, India
13.	2015	Dr. Y.S. Shivay and D.S. Rana	4 <sup>th</sup> International Zinc Symposium: <i>Improving Crop Production and Human Health</i>	15-17 October, 2015	Sao Paulo, Brazil
14.	2016	Seema Sepat	UCOWR Annual Water Resources Conference	21-23 June	Florida, USA
15.	2016	Dr. Vijay Pooniya, C.M. Parihar and S.L. Jat	4 <sup>th</sup> International Agronomy Congress	22-26 November	IARI



## List of Publications Faculty and Students

S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
1.	Palsania, D.R., Kumar, D., Ahlawat, I.P.S. and Shivay, Y.S.	2007	Prospects of complementary nutrient sources for crop production in India	<i>Indian Journal of Fertilisers</i> 3(8): 43-47	3.72	-
2.	Prasad, R., Shivay, Y.S., Kumar, D., Sharma, S.N. and Devakumar, C.	2007	Neem for Sustainable Agriculture and the Environment: A review	<i>Proceedings of the National Academy of Sciences, India</i> LXXVII, Section-B Part IV: 313-330	6.00	7
3.	Bodake, P.S. and Rana, D.S.	2009	Evaluation of jatropha ( <i>Jatropha curcas</i> ) and castor ( <i>Ricinus communis</i> ) cake as a source of nutrients and soil amendments in spring sunflower ( <i>Helianthus annuus</i> )–maize ( <i>Zea mays</i> ) sequence	<i>Indian Journal of Agronomy</i> 54(3): 284-290	5.46	8
4.	Kumar, V. and Shivay, Y.S.	2009	Judicious use of irrigation and fertilizer in cultivation of rice ( <i>Oryza sativa</i> ) for better environment in changing scenario	<i>Bharteey Vaighanik Avenm Aoodhogik Amusandhan Patrika</i> 17(2): 117-123	Not listed	-
5.	Parihar, C.M., Rana, K.S. and Parihar, M.D.	2009	Crop productivity, quality and nutrient uptake of pearl millet ( <i>Pennisetum glaucum</i> )-mustard ( <i>Brassica juncea</i> ) cropping system as influenced by land configuration and direct and residual effect of nutrient management	<i>Indian Journal of Agricultural Sciences</i> 79(11): 927-930	6.17	16
6.	Shivay, Y.S. and Kumar, D.	2009	Nutrient management for sustained productivity and soil fertility in rice-wheat cropping system (RWCS)	<i>Journal of Food Security</i> 1: 28-45	-	-
7.	Suri, I.K., Prasad, R. and Shivay, Y.S.	2009	Techniques for making value added coated fertilizers and their economics	<i>Indian Journal of Fertilisers</i> 5(3): 49-52 & 58	3.72	3
8.	Kumar, A. and Shiva Dhar	2010	Evaluation of organic and inorganic sources of nutrients in Maize ( <i>Zea mays</i> ) and their residual effect on wheat ( <i>Triticum aestivum</i> ) under different fertility levels	<i>Indian Journal of Agricultural Sciences</i> 80(5): 364-371	6.17	19



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9.	Kumar, V. and Shivay, Y.S.	2010	Integrated nutrient management: An ideal approach for enhancing agricultural production and productivity	<i>Indian Journal of Fertilisers</i> 6(5): 41-53	3.72	8
10.	Parihar, C.M. and Rana, K.S.	2010	Nutrient management in pearl millet ( <i>Pennisetum glaucum</i> )-mustard ( <i>Brassica juncea</i> ) cropping system as affected by land configuration under limited irrigation	<i>Indian Journal of Agronomy</i> 55(3): 191-196	5.46	15
11.	Shivay, Y.S.	2010	Importance of micro-nutrients management for increased crop productivity	<i>Journal of Food Security</i> 1(1): 42-56	-	-
12.	Shivay, Y.S.	2010	Significance of fertiliser best management practices in improving agricultural productivity	<i>Journal of Food Security</i> 1(2): 25-36	-	-
13.	Thuan, N.T.Q. and Rana, D.S.	2010	Response to sulphur of quality brassicas-cowpea ( <i>Vigna unguiculata</i> ) sequence under different sources of nutrients and sulphur levels	<i>Indian Journal of Agronomy</i> 55(3): 213-18	5.46	2
14.	Ahmad, I., Singh, Y.V., Shivay, Y.S., Lata and Pabbi, S.	2011	Response to inoculation of nitrogen-fixing and phosphate-solubilising micro-organisms on growth and yield of basmati rice ( <i>Oryza sativa</i> L.)	<i>Annals of Agricultural Research New Series</i> 32(3&4): 77-82	4.01	2
15.	Ahmad, I., Singh, Y.V., Shivay, Y.S., Lata and Pabbi, S.	2011	Relative response to inoculation of nitrogen-fixing and phosphate-solubilising micro-organisms on nutrient uptake of basmati rice and soil properties	<i>Pusa AgriScience</i> 34: 34-40	3.2	-
16.	Ansari, M.A., Rana, K.S., Rana, D.S. and Kumar, P.	2011	Effect of nutrient management and antitranspirant on rainfed sole and intercropped pearl millet ( <i>Pennisetum glaucum</i> ) and pigeonpea ( <i>Cajanas cajan</i> )	<i>Indian Journal of Agronomy</i> 56(3): 209-216	5.46	-
17.	Asres, B. and Das, T.K.	2011	Diversity and integrated management of weeds in highland wheat of Northern Ethiopia	<i>Plant Protection Quarterly (Australia)</i> 26(1): 8-16	7.1	2



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
18.	Choudhary, B.R., Gupta, A.K., Parihar, C.M., Jat, S.L. and Singh, D.K.	2011	Effect of integrated nutrient management on fenugreek ( <i>Trigonella foenum-graceum</i> ) and its residual effect on fodder pearl millet ( <i>Pennisetum glaucum</i> )	<i>Indian Journal of Agronomy</i> 56(3): 189-195	5.46	9
19.	Das, T.K. and Yaduraju, N.T.	2011	Effects of missing-row sowing supplemented with row spacing and nitrogen on weed competition and growth and yield of wheat	<i>Crop and Pasture Science</i> 62(1): 48-57	7.5	7
20.	Hazra, D., Das, T.K. and Yaduraju, N.T.	2011	Interference and economic threshold of horse purslane ( <i>Trianthema portulacastrum</i> L.) in soybean cultivation in northern India	<i>Weed Biology and Management</i> 11(2): 72-82	6.50	7
21.	Jat, S.L., Shivay, Y.S. and Parihar, C.M.	2011	Dual purpose summer legumes and zinc fertilization for improving productivity and zinc utilization in aromatic hybrid rice ( <i>Oryza sativa</i> L.)	<i>Indian Journal of Agronomy</i> 56(4): 328-333	5.46	3
22.	Kumar, D., Devakumar, C., Kumar, R., Das, A., Panneerselvam, P. and Shivay, Y.S.	2011	Relative efficiency of prilled urea coated with major neem ( <i>Azadirachta indica</i> A. Juss) oil components in lowland irrigated rice of Indo-Gangetic plains	<i>Archives of Agronomy and Soil Science</i> 57(1): 61-75	7.12	9
23.	Mahawer, L.N., Bairwa, H.L., Shukla, A.K. and Sharma, R.	2011	Genetic variability of blanket flower ( <i>Gaillardia pulchella</i> ) a pulchella)	<i>Indian Journal of Plant Genetic Resources</i> 23(3): 237-239	5.12	-
24.	Meena, K.N., Ashok Kumar, Rana, D.S. and Meena, M.C.	2011	Productivity, and nutrient uptake of maize ( <i>Zea mays</i> )-wheat ( <i>Triticum aestivum</i> ) cropping system under different bio-sources and nitrogen levels	<i>Indian Journal of Agronomy</i> 56(3): 182-188	5.46	7
25.	Nandini Devi, K., Vyas, A.K., Singh, M.S. and Singh, N.G.	2011	Effect of bioregulators on growth, yield and chemical constituents of soybean ( <i>Glycine max</i> )	<i>Journal of Agricultural Sciences</i> 3(4): 151-159	7.5	21
26.	Oo, N.M.L. and Shivay, Y.S.	2011	Effect of nitrogen and sulphur levels on growth and productivity of scented rice ( <i>Oryza sativa</i> )	<i>Current Advances in Agricultural Sciences</i> 3(1): 45-48	4.69	2



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
27.	Pooniya, V. and Shivay, Y.S.	2011	Effect of green manuring and zinc fertilization on productivity and nutrient uptake in <i>Basmati</i> rice ( <i>Oryza sativa</i> )-wheat ( <i>Triticum aestivum</i> ) cropping system	<i>Indian Journal of Agronomy</i> 56(1): 28-34	5.46	12
28.	Pooniya, V., Shivay, Y.S.	2011	Residual effect of green manuring and zinc fertilization on productivity and nutrient uptake in rice-wheat cropping system	<i>Pusa AgriScience</i> 34: 55-59	3.4	12
29.	Pooniya, V., Shivay, Y.S.	2011	Summer green-manuring crops and zinc fertilization on productivity and economics of <i>Basmati</i> rice ( <i>Oryza sativa</i> L.)	<i>Archives of Agronomy and Soil Science</i> DOI:10.1080/03650340.2010.535205	7.12	8
30.	Sharma, A.R., Singh, Ratan, Dhyani, S.K. and Dube, R.K.	2011	Agronomic and economic evaluation of mulching in rainfed maize-wheat cropping system in the western Himalayan Region of India	<i>Journal of Crop Improvement</i> 25: 392-408	-	3
31.	Sharma, S., Sharma, A., Gupta, A., Shiva Dhar and Padma, V.	2011	Effect of biofertilizers on fodder crops under rainfed conditions in semiarid area	<i>International Journal of Environmental Sciences</i> 1(1): 87-96	-	-
32.	Singh, D, Vyas, A.K., Gupta, G.K., Ramtake, R. and Khan, I.R.	2011	Tractor drawn broad bed furrow seed drill machine to overcome moisture stress for soybean ( <i>Glycine max</i> ) in vertisols	<i>Indian Journal of Agricultural Sciences</i> 81(10): 941-944	6.17	2
33.	Singh, G., Kumar, D., Marwaha, T.S., Singh, A.K. and Srinivasmurthy, K.	2011	Conservation tillage and integrated nitrogen management stimulates soil microbial properties under varying water regimes in maize-wheat cropping system in northern India	<i>Archives of Agronomy and Soil Science</i> 57(5): 507-521	7.12	1
34.	Singh, R., Sharma, A.R., Dhyani, S.K. and Dube, R.K.	2011	Tillage and mulching effects on performance of maize ( <i>Zea mays</i> )-wheat ( <i>Triticum aestivum</i> ) cropping system under varying land slopes	<i>Indian Journal of Agricultural Sciences</i> 81(4): 330-335	6.17	10



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
35.	Singh, S.B., Sharma, R. and Singh, N.	2011	Persistence of pyrazosulfuron in rice-field and laboratory soil under Indian tropical conditions	<i>Pest Management Science</i> (Published online)	8.81	8
36.	Singh, Y.V., Singh, K.K. and Shiva Dhar	2011	Effect of integrated use of organic and inorganic fertilizers on wheat yield and soil organic carbon status	<i>Annals of Agricultural Research</i> 32(1&2): 6-10	4.01	0
37.	Tuti, M.D. and Das, T.K.	2011	Sequential application of metribuzin on weed control, growth and yield of soybean ( <i>Glycine max</i> )	<i>Indian Journal of Agronomy</i> 56(1): 57-61	5.46	10
38.	Tuti, M.D. and Das, T.K.	2011	Carry-over effect of metribuzin applied to soybean ( <i>Glycine max</i> ) on weeds and wheat ( <i>Triticum aestivum</i> ) under zero and conventional tillage	<i>Indian Journal of Agronomy</i> 56(2): 121-126	5.46	8
39.	Verma, S.K. and Idnani, L.K.	2011	Influence of irrigation and nitrogen management practices on economics potato-maize cropping system	<i>Pusa AgriScience</i> 34: 60-67	3.2	-
40.	Yadav, G.S., Kumar, D., Shivay, Y.S. and Singh, N.	2011	Agronomic evaluation of zinc-enriched urea formulations in scented rice ( <i>Oryza sativa</i> )	<i>Indian Journal of Agricultural Sciences</i> 81(04): 366-370	6.17	1
41.	Yadav, G.S., Shivay, Y.S. and Kumar, D.	2011	Effect of mulching and iron nutrition on productivity, nutrient uptake and economics of aerobic rice ( <i>Oryza sativa</i> )	<i>Indian Journal of Agronomy</i> 56(4): 365-372	5.46	2
42.	Ansari, M.A. and Rana, K.S.	2012	Effect of transpiration suppressant and nutrients on productivity and moisture use efficiency of pearl millet ( <i>Pennisetum glaucum</i> )–pigeonpea ( <i>Cajanus cajan</i> ) intercropping system under rainfed conditions	<i>Indian Journal of Agricultural Sciences</i> 82(8): 676-680	6.17	6
43.	Bana, M.L., Kaushik, R.A., Bana, R.S. and Dhakar, M.K.	2012	Integrated weed management in cauliflower cv. 'Pusa Snowball K-1'	<i>Annals of Agricultural Research</i> 33(3): 163-169	4.01	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
44.	Bana, R.S. and Shivay, Y.S.	2012	Productivity of summer forage crops and their effect on succeeding basmati rice ( <i>Oryza sativa</i> ) in conjunction with phosphogypsum-enriched urea	<i>Indian Journal of Agronomy</i> 57(1): 24-31	5.46	-
45.	Bana, R.S., Gautam, R.C. and Rana, K.S.	2012	Effect of different organic sources on productivity and quality of pearl millet and their residual effect on wheat	<i>Annals of Agricultural Research</i> 33(3): 126-130	4.01	3
46.	Bana, R.S., Shivay, Y.S. and Pooniya, V.	2012	Phosphogypsum-enriched urea in conjunction with preceding summer forage crops for enhanced growth, productivity and micronutrients uptake of aromatic rice	<i>Indian Journal of Fertilizers</i> 8(2): 48-53	3.8	-
47.	Barod, N.K., Shiva Dhar and Kumar, A.	2012	Effect of nutrient sources and weed control methods on yield and economics of baby corn ( <i>Zea mays</i> )	<i>Indian Journal of Agronomy</i> 57: 96-99	5.46	3
48.	Billore, S.D. and Vyas, A.K.	2012	Effect of graded levels of major nutrients on productivity, energy budgeting and economic viability of soybean in India	<i>Soybean Research</i> 10: 43-51	3.4	-
49.	Das, T.K. and Yaduraju, N.T.	2012	The effects of combining modified sowing methods with herbicide mixtures on weed interference in wheat	<i>International Journal of Pest Management</i>	6.37	7
50.	Dass, S., Kumar, A. Jat, S.L., Parihar, C.M., Singh, A.K., Chikkappa, G.K., and Jat, M.L.	2012	Maize holds potential for diversification and livelihood security	<i>Indian Journal of Agronomy</i> 57(3rd IAC Special): 86-91	5.46	4
51.	Idnani, L.K. and Kumar, A.	2012	Relative efficiency of different irrigation schedules for conventional, ridge and raised bed seeding of wheat	<i>Indian Journal of Agronomy</i> 57(2): 148-151	5.46	4
52.	Jat, N.K., Kumar, A., Meena, S.R., Rana D.S., Meena, B.P. and Rana, K.S.	2012	Influence of integrated nutrient management on the productivity, quality and soil health of maize ( <i>Zeamays L.</i> )-wheat ( <i>Triticum aestivum</i> ) cropping system	<i>Indian Journal of Agronomy</i> 57(4): 327-332	5.46	3





S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
53.	Jat, S.L., Shivay, Y.S. Parihar, C.M. and Meena, H.N.	2012	Evaluation of summer legumes for their economic feasibility, nutrient accumulation and soil fertility	<i>Journal of Food Legume</i> 25(3): 239-242	4.97	9
54.	Kumar, M., Das, T.K. and Yaduraju, N.T.	2012	An integrated approach for management of <i>Cyperus rotundus</i> in soybean - wheat cropping system	<i>Crop Protection</i> 33: 74-81	7.65	11
55.	Kumar, P., Rana, K.S. and Rana, D.S.	2012	Effect of planting systems, phosphorus with bio-fertilizers on the performance of sole and intercropped pigeonpea ( <i>Cajanus cajan</i> ) under rainfed conditions	<i>Indian Journal of Agronomy</i> 57(2): 49-54	5.46	5
56.	Layek, J., Shivakumar, B.G., Rana D.S., Munda, S. and Lakshman, K.	2012	Growth pattern, physiological indices and productivity of different soybean ( <i>Glycine max</i> ) based intercrops as influenced by nitrogen nutrition	<i>Indian Journal of Agronomy</i> 57(4): 349-356	5.46	2
57.	Mahapatra, I.C., Rao, K.S., Panda, B.B. and Shivay, Y.S.	2012	Agronomic research on rice ( <i>Oryza sativa</i> ) in India.	<i>Indian Journal of Agronomy</i> 57(3 <sup>rd</sup> IAC Special Issue): 9-31	5.46	6
58.	Meena, K.N., Kumar, A., Jat, S.L., Shiva Dhar, Parihar, C.M., Meena, B.P. and Singh, A.K.	2012	Productivity and profitability of maize ( <i>Zea mays</i> L.)-wheat ( <i>Triticum aestivum</i> L.) sequence under varying sources of nutrients	<i>Maize Journal</i> 1(1): 54-57	3.27	-
59.	Meena, S.R., Ashok Kumar, Jat N.K., Meena, B.P. Rana, D.S., and Idnani, L.K.	2012	Influence of nutrient sources on growth, productivity and economics of baby corn ( <i>Zea mays</i> L.) - potato ( <i>Solanum tuberosum</i> L.) - mungbean ( <i>Vigna radiata</i> (L.) Wilczek) cropping system	<i>Indian Journal of Agronomy</i> 57(3): 217-221	5.46	1
60.	Miri, K. and Rana D.S.	2012	Evaluation of sweet sorghum ( <i>Sorghum bicolor</i> ) genotypes for biomass, sugar and ethanol production under different levels of nitrogen	<i>Indian Journal of Agricultural Sciences</i> 82(3): 195-200	6.17	9



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
61.	Miri, K., Rana D.S., Rana, K.S. and Kumar, A.	2012	Productivity, nitrogen-use efficiency and economics of sweet sorghum ( <i>Sorghum bicolor</i> ) genotypes as influenced by different levels of nitrogen	<i>Indian Journal of Agronomy</i> 57(1): 49-54	5.46	1
62.	Nain, M.S., Singh, R., Vijayraghavan, K. and Vyas, A.K.	2012	Participatory linkage of farmers, technology and agricultural researchers for improved wheat production in national capital region of India	<i>African Journal of Agricultural Research</i> 7(37): 5198-5207	6.0	3
63.	Parihar, A.K., Godawat, S.L., Parihar, C.M. and Shukla, K.B.	2012	Evaluation of QPM ( <i>Zea mays</i> ) genotypes for grain-yield and quality traits under different water stress conditions	<i>Indian Journal of Genetics and Plant Breeding</i> 72(3): 290-295	6.28	-
64.	Parihar, A.K., Godawat, S.L., Shukla, K.B. and Parihar, C.M.	2012	Performance of quality protein maize ( <i>Zea mays</i> ) genotypes under different moisture stress environments	<i>Indian Journal of Agricultural Sciences</i> 82(5): 416-421	6.17	1
65.	Parihar, C.M., Bhakar, R.N., Rana, K.S., Jat, M.L., Singh, A.K., Jat, S.L., Parihar, M.D. and Sharma, S	2012	Energy scenario, carbon efficiency, nitrogen and phosphorus dynamics of pearl millet –mustard system under diverse nutrient and tillage management practices	<i>African Journal of Agricultural Research</i> 8(10): 903-915	-	3
66.	Parihar, C.M., Rana, K.S., Jat, M.L., Jat, S.L., Parihar, M.D., Kantwa, S.R., Singh, D.K. and Sharma, S.	2012	Carbon footprint and economic sustainability of pearl millet-mustard system under different tillage and nutrient management practices in moisture stress conditions	<i>African Journal of Microbiology Research</i> 6(23): 5052-5061	7.0	8
67.	Parihar, S.S. and Idnani, L.K.	2012	Agronomic research on water management in India: An overview	<i>Indian Journal of Agronomy</i> 57(III IAC special issue): 141-147	5.46	-
68.	Pooniya, V., Shivay, Y.S., Rana, A., Nain, L. and Prasanna, R.	2012	Enhancing soil nutrient dynamics and productivity of Basmati rice through residue incorporation and zinc fertilization	<i>European Journal of Agronomy</i> 41 (2012) 28-37	9.19	22



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69.	Pooniya, V., Shivay, Y.S. and Bana, R.S.	2012	Zinc fertilization in conjunction with green manuring on productivity and nutrient uptake in basmati rice	<i>Indian Journal of Fertilizers</i> 8(8): 54-58	3.8	12
70.	Prasad, R., Shivay, Y.S. and Kumar, D.	2012	Biofortification/ fertification of rice and wheat for ameliorating zinc malnutrition of humans and animals in India	<i>Indian Journal of Agronomy</i> 57(3 <sup>rd</sup> IAC Special Issue): 195-198	5.46	2
71.	Prasanna, R., Jaiswal, P., Jadhav, S.D., Joshi, M., Nain, L., Rana, A. and Shivay, Y.S.	2012	Evaluating the potential of rhizo-cyanobacteria as inoculants for rice and wheat	<i>Journal of Agricultural Technology</i> 8(1): 157-171	-	4
72.	Prasanna, R., Joshi, M., Rana, A., Shivay, Y.S. and Nain, L.	2012	Influence of co-inoculation of bacteria-cynobacteria on crop yield and C-N sequestration in soil under rice crop	<i>World Journal of Microbiology and Biotechnology</i> 28: 1223-1235	7.5	39
73.	Rana, A., Joshi, M., Prasanna, R., Shivay, Y.S. and Nain, L.	2012	Biofortification of wheat through inoculation of plant growth promoting rhizo-bacteria and cyanobacteria	<i>European Journal of Soil Biology</i> 50: 118-126	7.6	76
74.	Rana, A., Saharan, B., Nain, L., Prasanna, R and Shivay, Y.S.	2012	Enhancing micronutrient uptake and yield of wheat through bacterial PGPR consortia	<i>Soil Science and Plant Nutrition</i> 58: 573-582	7.5	20
75.	Rana, K.S. and Bana, R.S.	2012	Productivity and water use efficiency of wheat ( <i>Triticum aestivum</i> L.) as influenced by aqua-fertilization under rainfed conditions	<i>Research on Crops</i> 13(2): 453-455	6.2	-
76.	Rana, K.S., Kumar, D. and Bana, R.S.	2012	Agronomic research on pearl millet ( <i>Pennisetum glaucum</i> L.)	<i>Indian Journal of Agronomy</i> 57(3 <sup>rd</sup> IAC: Special Issue): 45-51	5.0	1
77.	Sepat, S. and Ahlawat, I.P.S.	2012	Phosphorus use efficiency and productivity of groundnut based intercropping systems as influenced by phosphorus efficiency	<i>Indian Journal of Fertilizers</i> 8(10): 60-66	3.8	-
78.	Sepat, S., Ahlawat, I.P.S and Rana, D.S.	2012	Effect of phosphorus sources and levels on Bt cotton based intercropping system	<i>Indian Journal of Agronomy</i> 57(3): 235-240	5.0	2



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79.	Sharma, M.P, Gupta, S., Sharma, S.K., and Vyas, A.K.	2012	Effect of tillage and crop sequences on arbuscular mycorrhizal symbiosis and soil enzyme activities in soybean ( <i>Glycine max</i> ) rhizosphere	<i>Indian Journal of Agricultural Sciences</i> 82(1): 25-30	6.17	6
80.	Shivay, Y.S.	2012	Integrated soil management for increased agricultural productivity of rice and wheat	<i>Journal of Food Security</i> II(1): 41-48	-	-
81.	Shivay, Y.S. and Prasad, R.	2012	Zinc-coated urea improves productivity and quality of basmati rice ( <i>Oryza sativa</i> L.) under zinc stress condition	<i>Journal of Plant Nutrition</i> 35: 928-951	6.51	17
82.	Shukla, A.K., Behera, S.K., Shivay, Y.S., Singh, P. and Singh, A.K.	2012	Micronutrients and field crop production in India: A review	<i>Indian Journal of Agronomy</i> 57(3 <sup>rd</sup> IAC Special Issue): 123-130	5.46	4
83.	Singh, D., Ramtake, R., Vyas, A.K., Billore, S.D. and Khan, I.R.	2012	Tractor operated furrow irrigated raised bed system (FIRBS) seed drill for rainfed soybean in vertisols	<i>Soybean Research</i> 10: 88-92	3.4	7
84.	Sobhana, V., Kumar, Ashok, Idnani, L.K., Singh, Ishwar and Shavadhar	2012	Plant population and nutrient requirement for baby corn hybrids ( <i>Zea mays</i> )	<i>Indian Journal of Agronomy</i> 57(3): 294-296	5.46	5
85.	Suryavanshi, P., Singh, Y.V., Singh, K.K. and Shivay, Y.S.	2012	Relative efficiency of methods of crop establishment in rice ( <i>Oryza sativa</i> )	<i>Indian Journal of Agronomy</i> 57(3): 291-293	5.46	1
86.	Tetarwal, J.P., Rana, K.S. and Ram, B.	2012	Effect of fertility levels and moisture conservation practices on production efficiency and energetic of pearl millet intercropped mothbean	<i>Indian Journal of Fertilizers</i> 8(3): 36-41	3.8	36
87.	Verma, S.K. and Idnani, L.K.	2012	Crop water use, nutrient content and uptake as influenced by irrigation and nitrogen management in potato ( <i>Solanum tuberosum</i> ) – maize ( <i>Zea mays</i> ) cropping system	<i>Indian Journal of Agricultural Sciences</i> 82(12): 1032-1038	6.17	-



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88.	Verma, S.K. and Idnani, L.K.	2012	Effect of irrigation and nitrogen management on available nutrients and nitrogen balance in potato-maize cropping system	<i>Indian Journal of Ecology</i> 39(2): 242-246	4.96	-
89.	Verma, S.K., Idnani, L.K. and Kumar, A.	2012	Irrigation and nitrogen management in potato ( <i>Solanum tuberosum</i> ) and their residual effects on succeeding maize ( <i>Zea mays</i> )	<i>Indian Journal of Agronomy</i> 57(4): 92-97	5.46	-
90.	Yadav, V.K., Marwaha Sudeep, Kumar Sangit, Kumar, P., Kaul Jyoti, Parihar, C.M. and Supriya, P.	2012	Maize AGRIdaksh: A Farmer Friendly Device	<i>Indian Research Journal of Extension Education</i> 12(3): 2012	4.81	2
91.	Amgain, L.P., Sharma, A.R., Das, T.K. and Behera, U.K.	2013	Effect of residue management on productivity and economics of pearl millet ( <i>Pennisetum glaucum</i> )-based cropping system under zero-till condition	<i>Indian Journal of Agronomy</i> 58(3): 298-302	5.46	2
92.	Ansari, M.A., Rana, K.S., Ansari, M.H., Baishya, L.K., Babu, S., Das, A. and Hari Om.	2013	Effect of transpiration suppressants and nutrients under rainfed conditions: An integral view on crop productivity and biological indices in millet/pulses intercropping system	<i>African Journal of Agricultural Research</i> 9(3): 334-344	6.0	-
93.	Bana, R.S., Shivay, Y.S., Sepat, S., Rana, K.S. and Pooniya, V.	2013	Effect of summer forage crops and phosphogypsum-enriched urea on productivity of basmati rice-wheat cropping system	<i>Research on Crops</i> 14(3): 649-653	4.75	1
94.	Behera, U.K. and Rana, D.S.	2013	Fuzzy linear programming for integrated farming system in multi-objective environment	<i>Indian Journal of Agronomy</i> 58(1): 119-124	5.46	1
95.	Bhadana, V.P., Sharma, P.K., Ansari, M.A., Baishya, L.K., Punitha, P., Shiv Datt, Prakash, N. and Rana. K.S.	2013	Food legumes for livelihood and nutritional security in North Eastern Himalayan Region: Prospects and constraints	<i>Indian Journal of Agricultural Sciences</i> 83(9): 899-906	6.17	3
96.	Bhatia, A., Kumar A., Das, T.K., Singh, J., Jain, N. and Pathak, H.	2013	Methane and nitrous oxide emissions from soils under direct-seeded rice	<i>International Journal of Agricultural and Statistical Sciences</i> 9(2): 729-736	5.13	2



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97.	Bhattacharyya, R., Das, T.K., Pramanik, P., Ganeshan, V., Saad, A.A. and Sharma, A.R.	2013	Impacts of conservation agriculture on soil aggregation and aggregate-associated N under an irrigated agro-ecosystem of the Indo-Gangetic Plains	<i>Nutrient Cycling in Agro-ecosystems</i> 96:185-202 DOI: 10.1007/s10705-013-9585-6	7.49	14
98.	Choudhary, R.L., Kumar, D., Shivay, Y.S., Anand, A. and Nain, L.	2013	Yield and quality of rice ( <i>Oryza sativa</i> ) hybrids grown by SRI method with and without plant growth promoting rhizobacteria	<i>Indian Journal of Agronomy</i> 58(3): 430-433	5.46	-
99.	Das, T.K., Bhattacharyya, R., Sharma, A.R., Das, S., Saad, A.A. and Pathak, H.	2013	Impacts of conservation agriculture on total soil organic carbon retention potential under an irrigated agro-ecosystem of the western Indo-Gangetic Plains	<i>European Journal of Agronomy</i> 51: 34-42	9.19	18
100.	Dass, A., Singh, A. and Rana, K.S.	2013	In-situ moisture conservation and nutrient management practices in fodder sorghum ( <i>Sorghum bicolor</i> )	<i>Annals of Agricultural Research (New Series)</i> 34(3): 254-259	4.01	3
101.	Gaur, P.M., Jukanti, A.K., Samineni, S., Chaturvedi, S.K., Singh, S., Tripathi, S., Singh, I., Singh, G., Das, T.K., Aski, M., Mishra, N., Nadarajan, N. and Gowda, C.L.L.	2013	Large genetic variability in chickpea for tolerance to herbicides imazethapyr and metribuzin	<i>MDPI Journal Agronomy</i> 3(3): 524-536	-	5
102.	Hari Om, Rana, K.S. and Ansari, M.A.	2013	Productivity and nutrient uptake of mustard ( <i>Brassica juncea</i> ) influenced by land configuration and residual and directly applied nutrients in mustard under limited moisture conditions	<i>Indian Journal of Agricultural Sciences</i> 83(9): 933-938	6.17	-
103.	Hussain, A., Kumar, D., Rana, D.S., Gangaiah, B., Dwivedi, B.S. and Sahoo, R.N.	2013	Productivity and profitability of Bt cotton ( <i>Gossypium hirsutum</i> )-wheat ( <i>Triticum aestivum</i> ) cropping system as affected by nutrient omissions	<i>Indian Journal of Agronomy</i> 58(2): 175-181	5.46	3
104.	Idnani, L.K. and Kumar, A.	2013	Performance of wheat ( <i>Triticum aestivum</i> ) under different irrigation schedules and sowing methods	<i>Indian Journal of Agricultural Sciences</i> 83(1): 37-40	6.17	4



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105.	Islam, S.N., Shiva Dhar and Sharma, K.	2013	Appropriate cultural practices for growing wheat using expert system	<i>Annals of Agricultural Research</i> New Series 34(4): 380-389	4.01	-
106.	Jat, M.L., Satyanarayana, T., Kaushik Majumdar, Parihar, C.M., Jat, S.L., Tetarwal, J.P., Jat, R.K. and Saharawat, Y.S.	2013	Fertilizer best management practices for maize systems	<i>Indian Journal of Fertilizer</i> 9(4): 80-94	3.78	14
107.	Jat, S.L., Parihar, C.M., Singh, A.K., Jat, M.L., Sinha, A.K., Mishra, B.N., Meena, H., Paradkar, V.K., Singh, C.S., Singh, D. and Singh, R.N.	2013	Integrated nutrient management in quality protein maize ( <i>Zea mays</i> ) planted in rotation with wheat ( <i>Triticum aestivum</i> ): Effect on productivity and nutrient use efficiency under different agro-ecological conditions	<i>Indian Journal of Agricultural Sciences</i> 83(4): 391-396	6.17	4
108.	Jat, S.L., Shivay, Y.S., Kumar, D., Parihar, C.M. and Singh, A.K.	2013	Residual effects of dual-purpose summer legumes and zinc fertilization on succeeding wheat in aromatic hybrid rice-wheat cropping system	<i>Journal of Wheat Research</i> 4(2): 19-24	4.42	1
109.	Kashri, H., Kumar, D., Shivay, Y.S., Kumar, R. and Anand, A.	2013	Growth, productivity and profitability of aromatic hybrid rice ( <i>Oryza sativa</i> ) as affected by essential oil coated urea under aerobic condition	<i>Indian Journal of Agronomy</i> 58(3): 316-321	5.46	1
110.	Kaur, R., Rajni, Deol, J.S., and Dass, A.,	2013	Physiology of abscission and crop regulation in cotton-a review	<i>Annals of Agricultural Research</i> 34(4): 287-297	4.01	-
111.	Krian Kumar, T., Rana, D.S. and Mirjha, P.R.	2013	Legume stover and nitrogen management effects on system productivity, N use efficiencies of water and N, energetics and economics of wheat based cropping systems	<i>Indian Journal of Agronomy</i> 58(1): 19-26	5.46	2



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112.	Kumar, D., Shivay, Y.S., Shiva Dhar, Kumar, C. and Prasad, R.	2013	Rhizospheric flora and the influence of agronomic practices on them: A review	<i>Proceedings of the National Academy of Sciences, India, Section B Biological Sciences</i> 83(1): 1-14. DOI: 10.1007/s40011-012-0059-4	6.0	23
113.	Kumar, P., Rana K.S., Ansari M.A. and Hari Om	2013	Effect of planting system and phosphorus on productivity, moisture use efficiency and economics of sole and intercropped pigeonpea ( <i>Cajanus cajan</i> ) under rainfed conditions of northern India	<i>Indian Journal of Agricultural Sciences</i> 83(5): 549-554	6.17	-
114.	Lal, B., Rana, K.S., Rana, D.S., Shivay, Y.S., Gautam, P. Ansari, M.A. and Joshi, E.	2013	Assessment of economics, energy use and yield advantage indices of Ethiopian mustard+chickpea intercropping system under dry land conditions	<i>Research on Crops</i> 14(3): 815-824	4.75	2
115.	Mahapatro, G.K., Das, T.K., Mukherjee, Irani and Gajbhiye, V.T.	2013	Bio-rational termite management in wheat agrosystem	<i>Indian Journal of Entomology</i> 75(4): 336-337	5.89	-
116.	Meena, B.P., Kumar, A., Meena, S.R., Shiva Dhar, Rana, D.S. and Rana K.S.	2013	Effect of sources and levels of nutrients on growth and yield behaviour of pop corn ( <i>Zea mays</i> ) and potato ( <i>Solanum tuberosum</i> )—sequence	<i>Indian Journal of Agronomy</i> 58(4): 474-79	5.46	3
117.	Monsefi, Ali, Sharma, A.R. and Das, T.K.	2013	Conservation tillage and weed management for improving productivity, nutrient uptake and profitability of soybean ( <i>Glycine max</i> ) grown after wheat ( <i>Triticum aestivum</i> )	<i>Indian Journal of Agronomy</i> 58(4): 570-577	5.46	3
118.	Pooniya, V. and Shivay, Y.S.	2013	Enrichment of <i>Basmati</i> rice grain and straw with zinc and nitrogen through ferti-fortification and summer green manuring under Indo-Gangetic plains of India	<i>Journal of Plant Nutrition</i> 36(1): 91-117	6.51	16
119.	Prasad, R., Shivay, Y.S. and Kumar, D.	2013	Zinc fertilization of cereals for increased production and alleviation of zinc malnutrition in India	<i>Agricultural Research</i> 2(2): 111-118. DOI: 10.1007/s40003-013-0064-8	5.00	10





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120.	Prasanna, R. Chaudhary, V., Gupta, V., Babu, S., Kumar, A., Singh, R., Shivay, Y.S. and Nain, L.	2013	Cyanobacteria mediated plant growth promotion and bioprotection against <i>Fusarium</i> wilt in tomato	<i>European Journal of Plant Pathology</i> 136: 337-353	7.61	34
121.	Prasanna, R., Babu, S., Rana, A., Kabi, S.R., Chaudhary, V., Gupta, V., Kumar, A., Shivay, Y.S., Nain, L. and Pal, R.K.	2013	Evaluating the establishment and agronomic proficiency of cyanobacterial consortia as organic options in rice-wheat cropping sequence	<i>Experimental Agriculture</i> 49(3): 416-434	7.06	19
122.	Prasanna, R., Sharma, E., Sharma, P., Kumar, A., Kumar, R., Gupta, V., Pal, R.K., Y.S. Shivay and Nain, L.	2013	Soil fertility and establishment potential of inoculated cyanobacteria in rice crop grown under non-flooded conditions	<i>Paddy and Water Environment</i> 11: 175-183	7.4	13
123.	Sepat, N.K., Sepat, S.R., Sepat, S. and Kumar, A.	2013	Energy use efficiency and cost analysis of tomato under greenhouse and open field production system at Nubra valley of Jammu and Kashmir	<i>International Journal of Environmental Sciences</i> 3(4): 1233-1241	2.5	2
124.	Sepat, S. and Rana, D.S.	2013	Effect of double no-till and permanent raised beds on productivity, profitability and physical properties of soil in maize ( <i>Zea mays</i> )-wheat ( <i>Triticum aestivum</i> ) cropping system under Indo-Genetic plains of India	<i>Indian Journal of Agronomy</i> 58(4): 469-473	5.0	2
125.	Sharma, R. and Pankaj	2013	Direct and residual effect of different herbicides applied in maize ( <i>Zea mays</i> ) on weed dynamics and productivity of maize and succeeding wheat ( <i>Triticum aestivum</i> )	<i>Indian Journal of Agricultural Sciences</i> 83(1): 77-82	6.17	-
126.	Shivay, Y.S. and Prasad, R.	2013	Response of durum wheat varieties to zinc application	<i>Indian Journal of Fertilizers</i> 9(7): 54-55	3.78	-
127.	Shivay, Y.S., Prasad, R. and Pal, M.	2013	Zinc fortification of oat grains through zinc fertilisation	<i>Agricultural Research</i> 2(4): 375-381	5.88	2
128.	Singh, A. and Shivay, Y.S.	2013	Residual effect of summer green manure crops and Zn fertilization on quality and Zn concentration of durum wheat ( <i>Triticum durum</i> Desf.) under a Basmati rice–durum wheat cropping system	<i>Biological Agriculture &amp; Horticulture</i> 29(4): 271-287	6.38	-



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129.	Singh, A. and Shivay, Y.S.	2013	Residual effects of summer green manuring crops and zinc applied to rice ( <i>Oryza sativa</i> ) on succeeding durum wheat ( <i>Triticum durum</i> ) under basmati rice-wheat cropping sequence	<i>Indian Journal of Agronomy</i> 58(3): 327-333	5.46	-
130.	Singh, G., Subhash, C. and Dass, A.	2013	Productivity and profitability of vegetable pea under sprinkler irrigation and PSB seed inoculation	<i>Indian Journal of Agricultural Sciences</i> 83(7): 745-7	6.17	-
131.	Singh, N., Singh, S.B., Raunaq and Das, T.K.	2013	Effect of fly ash on persistence, mobility and bio-efficacy of metribuzin and metsulfuron-methyl in crop fields	<i>Ecotoxicology and Environmental Safety</i> 97: 236-241	9.13	3
132.	Singh, S.B., Das, T.K. and Kulshrestha, G.	2013	Persistence of herbicide fenoxaprop ethyl and its acid metabolite in soil and wheat crop under Indian tropical conditions	<i>Journal of Environmental Science and Health, Part B: Pesticides Food Contaminants and Agricultural Wastes</i> 48(5): 324-330	7.21	8
133.	Singh, V., Singh, S.P., Singh, S. and Shivay, Y.S.	2013	Growth, yield and nutrient uptake by wheat ( <i>Triticum aestivum</i> ) as affected by biofertilizers, FYM and nitrogen	<i>Indian Journal of Agricultural Sciences</i> 83(3): 331-334	6.17	7
134.	Subhash Babu and Rana, D.S.	2013	Effect of sunflower stover and nutrient management on productivity, nutrient uptake and economics of pigeonpea	<i>Indian Journal of Agronomy</i> 58(1): 35-41	5.46	2
135.	Subhash Babu, Rana, D.S., Prasad, D. and Pal, S.	2013	Effect of sunflower stover and nutrients management on productivity, nutrient economy and phosphorus use efficiencies of pigeonpea ( <i>Cajanuscajan</i> )-sunflower ( <i>Helianthus annuus</i> ) cropping system	<i>Indian Journal of Agricultural Sciences</i> 83(2): 203-9	6.17	2
136.	Subhash Babu, Rana, D.S., Yadav, G.S. and Ansari, M.A.	2013	Residual effect of sunflower ( <i>Helianthus annuus</i> ) stover and P management and direct effect of P and N on productivity, nutrient uptake and economics of spring sunflower	<i>Indian Journal of Agricultural Sciences</i> 83(3): 272-78	6.17	3



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137.	Suryavanshi, P., Singh, Y.V. Prasanna, R., Bhatia. A. and Shivay, Y.S.	2013	Pattern of methane emission and water productivity under different methods of rice crop establishment	<i>Paddy and Water Environment</i> 11: 321-329	6.87	39
138.	Swarnalakshmi, K., Prasanna, R., Kumar, A., Pattnaik, S., Chakravarty, K., Shivay, Y.S., Singh, R. and Saxena, A.K.	2013	Evaluating the influence of novel cyanobacterial biofilmed biofertilizers on soil fertility and plant nutrition in wheat	<i>European Journal of Soil Biology</i> 55: 107-116	7.95	22
139.	Verma, S.K. and Idnani, L.K.	2013	Crop water use, nutrient content and uptake as influenced by irrigation and nitrogen management in potato ( <i>Solanum tuberosum</i> ) - maize ( <i>Zea mays</i> ) cropping system	<i>Indian Journal of Agricultural Sciences</i> 83(12): 1032-1038	6.17	-
140.	Vyas, A.K, Meena, H., Ramesh, A., Billore, S.D., Pandey, N. and Khan, I.R.	2013	Influence of crop production and tillage systems on soil properties and productivity of soybean ( <i>Glycine max</i> (L) Merrill) and wheat ( <i>Triticum aestivum</i> ) in Malwa region of central India	<i>Annals of Agricultural Research</i> New Series 34(1): 44-49	4.01	-
141.	Yadav, G.S., Shivay, Y.S., Kumar, D. and Babu, S.	2013	Enhancing iron density and uptake in grain and straw of aerobic rice through mulching and rhizo-foliar fertilization of iron	<i>African Journal of Agricultural Research</i> 8(10): 5447-5454	6.0	5
142.	Younesabadi, M., Das, T.K. and Pandey, R.	2013	Effect of herbicide tank-mixes on weed control, yield and physiological parameters of soybean ( <i>Glycine max</i> ) under tilled and no-tilled conditions	<i>Indian Journal of Plant Physiology</i> 18(3): 290-294	5.18	1
143.	Younesabadi, M., Das, T.K. and Sharma, A.R.	2013	Effect of tillage and tank-mix herbicide application on weed management in soybean ( <i>Glycine max</i> )	<i>Indian Journal of Agronomy</i> 58(3): 372-378	5.46	5
144.	Chauhan, B.S., Kaur, P., Mahajan, G., Randhawa, R.K., Singh, H. and Kang M.S.	2014	Global warming and its possible impact on agriculture in India	<i>Advances in Agronomy</i> 123: 65-121	10.38	-
145.	Choudhary, A.K. and Suri, V.K.	2014	Front line demonstration programme - an effective technology transfer tool for adoption of oilseeds production technology in Himachal Pradesh, India	<i>Communications in Soil Science and Plant Analysis</i> 45(11): 1480-1498	6.53	5



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146.	Choudhary, A.K. and Suri, V.K.	2014	Integrated nutrient management technology for direct seeded upland rice ( <i>Oryza sativa</i> ) in NW Himalayas	<i>Communications in Soil Science and Plant Analysis</i> 45(06): 777-784	6.53	11
147.	Choudhary, A.K. and Suri, V.K.	2014	'On-farm' participatory technology development on forage cutting and nitrogen management in dual purpose wheat ( <i>Triticum aestivum</i> ) in north-western Himalayas	<i>Communications in Soil Science and Plant Analysis</i> 45(06): 741-750	6.53	5
148.	Choudhary, A.K. and Suri, V.K.	2014	Scaling-up of pulse production under frontline demonstration technology transfer program in Himachal Himalayas, India	<i>Communications in Soil Science and Plant Analysis</i> 45(14): 1934-1948	6.53	12
149.	Choudhary, A.K., Bana, R.S. Pooniya, V., Dass, A. and Rana, K.S.	2014	Agricultural production, food security and climate change: A dialogue on challenges and mitigation strategies	<i>The IFFCO Foundation Bulletin</i> 2(2): 1-11	-	-
150.	Choudhary, G.L., Rana, K.S., Bana, R.S. and Prajapat, K.	2014	Soil microbial properties, growth and productivity of pearl millet as influenced by moisture management and zinc fortification under rainfed conditions	<i>African Journal of Microbiology Research</i> 8(36): 3314-3323	6.0	2
151.	Das T.K., Bhattacharyya, R., Sudhishri, S., Sharma A.R., Saharawat Y.S., Bandyopadhyaya K.K., Sepat, S., Bana R.S., Aggarwal, P., Sharma R.K., Bhatia A., Singh, G., Datta S.P., Kara A., Singh, B., Singh, P., Pathaka, H., Vyas A.K. and Jat M.L.	2014	Conservation agriculture in an irrigated cotton-wheat system of the western Indo-Gangetic Plains: Crop and water productivity and economic profitability	<i>Field Crops Research</i> 158: 24-33	8.93	15
152.	Das, T.K., Ahlawat, I.P.S. and Yaduraju, N.T.	2014	Littleseed canarygrass ( <i>Phalaris minor</i> ) resistance to clodinafop-propargyl in wheat fields in north-western India: Appraisal and management	<i>Weed Biology and Management</i> 14(1): 11-20	6.50	2
153.	Das, T.K., Paul, A.K. and Yaduraju, N.T.	2014	Density-effect and economic threshold of purple nutsedge ( <i>Cyperus rotundus</i> ) in soybean	<i>Journal of Pest Science</i> 87(1): 211-220	9.10	1



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154.	Gangaiah, B. Singh, H., Shivakumar, B.G. and Dass, A.	2014	Direct and residual effects of nitrogen and phosphorus fertilization of Dhaincha ( <i>Sesbania aculeata</i> ) seed crop on succeeding wheat ( <i>Triticum aestivum</i> ) at two levels of N fertilization	<i>Journal of Agri-Food and Applied Sciences</i> 2(2): 31-38	-	-
155.	Hajebi, A., Das, T.K., Vyas, A.K., Rana, D.S. and Pooniya, V.	2014	Effect of tillage and tank-mix herbicide application on weed management in chilli ( <i>Capsicum annum</i> )	<i>Indian Journal of Agronomy</i> 59(4): 651-656	5.46	-
156.	Hussain, A., Kumar, D., Dwivedi, B.S., Rana, D.S. and Gangaiah, B.	2014	Relative response of Bt cotton ( <i>Gossypium hirsutum</i> ) to balanced fertilization in irrigated cotton-wheat cropping system	<i>African Journal of Agricultural Research</i> 9(1): 21-33	6.0	-
157.	Jankiram, T., Swaroop, K. and Das, T. K.	2014	Chemical weed management effects on productivity and profitability of gladiolus ( <i>Gladiolus hybridus</i> ) in north-western Indo-Gangetic Plains	<i>Indian Journal of Agricultural Sciences</i> 84(8): 951-956	6.17	1
158.	Jat, S.L., Shivay, Y.S. and Parihar, C.M.	2014	Effect of dual-purpose summer legumes and zinc fertilization on system productivity, economics and nutrient use-efficiencies of rice ( <i>Oryza sativa</i> )-wheat ( <i>Triticum aestivum</i> ) cropping system	<i>Indian Journal of Agricultural Sciences</i> 84(8): 942-950	6.17	1
159.	Jha, A.N., Srivastava, C., Tyagi, S. and Shiva Dhar	2014	Relative susceptibility of wheat to <i>Ephestia cautella</i> (wlk.) and <i>Corcyra cephalonica</i> (stnt.)	<i>Indian Journal of Entomology</i> 76(1): 76-79	5.89	-
160.	Kaur, R. and Jaidka, M.	2014	Spectral reflectance characteristics to distinguish <i>Malvaneglecta</i> in wheat ( <i>Triticum aestivum</i> )	<i>Indian Journal of Agricultural Sciences</i> 84(10): 1243-9	6.17	-
161.	Kaur, R., Jaidka, M. and Kingra, P.K.	2014	Study of optimum time span for distinguishing <i>Rumex spinosus</i> in wheat crop through spectral reflectance characteristics	<i>Proceedings of the National Academy of Sciences, India Section B: Biological Sciences</i> 84(3): 625-33	6.40	1



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162.	Kaur, R., Singh, B., Singh, M. and Thind, S.K.	2014	Hyperspectral indices, correlation and regression models for estimating growth parameters of wheat genotypes	<i>J. Indian Soc. Remote Sens.</i> DOI: 10.1007/s12524-014-0425-1	6.53	2
163.	Khare, T.R., Sharma, R. and Singh, S.B.	2014	Evaluation of performance of penoxsulam for weed management in direct seeded and transplanted rice ( <i>Oryza sativa</i> L.)	<i>Indian Journal of Agricultural Sciences</i> 84(1): 154-157	6.17	-
164.	Kumar, S., Shiva Dhar, Kumar, D., Kumar, B., Meena, R.L. and Hari Om.	2014	Bio-fortification of crop residues for animal feeding in maize-wheat cropping system through integrated potassium management	<i>Range Management and Agroforestry</i> 35(2): 220-226	6.39	-
165.	Kumar, V., Singh, A.K., Jat, S.L., Parihar, C.M., Pooniya, V., Sharma, S. and Singh, B.	2014	Influence of site-specific nutrient management on growth and yield of maize ( <i>Zea mays</i> ) under conservation tillage	<i>Indian Journal of Agronomy</i> 59(4): 657-660	5.46	3
166.	Lal, B., Rana, K.S., Rana, D.S., Gautam, P., Shivay, Y.S., Ansari, M.A., Meena, B.P. and Kumar, K.	2014	Influence of intercropping, moisture conservation practice and P and S levels on growth, nodulation and yield of chickpea ( <i>Cicer arietinum</i> L.) under rainfed condition	<i>Legume Research - An International Journal</i> 37(3): 300-305	6.15	1
167.	Layek, J., Shivakumar, B.G., Rana, D.S., Munda, S., Lakshman, K., Das, A. and Ramkrushna, G.I.	2014	Soybean-cereal intercropping systems as influenced by nitrogen nutrition	<i>Agronomy Journal</i> 106: 1933-19	7.46	3
168.	Mahajan, G.R., Pandey, R.N., Datta, S.C., Kumar, D., Sahoo, R.N. and Parsad, R.	2014	Fertilizer nitrogen, phosphorus and sulphur prescription for aromatic hybrid rice ( <i>Oryza sativa</i> L.) using targeted yield approach	<i>Proceedings of the National Academy of Sciences, India, Sect. B Biological Sciences</i> 84: 537-547	6.0	1
169.	Mahajan, G.R., Pandey, R.N., Kumar, D., Datta, S.C., Sahoo, R.N. and Parsad, R.	2014	Development of critical values for the Leaf Color Chart, SPAD and Fieldscout CM 1000 for fixed time adjustable nitrogen management in aromatic hybrid rice ( <i>Oryza sativa</i> L.)	<i>Communications in Soil Science and Plant Analysis</i> 45: 1877-1893 DOI: 10.1080/00103624.2014.909832	6.53	2
170.	Mahajan, G.R., Sahoo, R.N., Pandey, R.N., Gupta, V.K. and Kumar, D.	2014	Using hyperspectral remote sensing techniques to monitor nitrogen, phosphorus, sulphur and potassium in wheat	<i>Precision Agriculture</i> 15: 499-522 DOI: 10.1007/s11119-014-9348-7	7.68	11



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171.	Mahanta, D., Rai, R.K., Shiva Dhar, Raja. A, Purakayastha T.J. and Varghese, E.	2014	Influence of phosphorus and biofertilizers on soybean and wheat root growth and properties	<i>Field Crops Research</i> 166: 1-9	8.93	8
172.	Meena, R.K., Singh, Y.V., Lata, Kumar A. and Bana, R.S.	2014	Effect of plant-growth-promoting rhizobacteria inoculation on plant growth, productivity and economics of Basmati rice	<i>Egyptian Journal of Biology</i> 16(1): 44-50	6.41	-
173.	Meena, R.K., Singh, Y.V., Lata, Prasanna, R., Kaur, C., Kumar A. and Bana, R.S.	2014	Influence of plant growth-promoting rhizobacteria inoculation on nutrient availability, soil microbial properties and defence enzymes in rice ( <i>Oryza sativa</i> ) crop	<i>Indian Journal of Agricultural Sciences</i> 84(6): 761-764	6.17	-
174.	Monsefi, A., Sharma, A.R., Rang Zanc, N., Behera, U. K. and Das, T.K.	2014	Effect of tillage and residue management on productivity of soybean and physico-chemical properties of soil in soybean-wheat cropping system	<i>International Journal of Plant Production</i> 8(3): 429-440	7.07	2
175.	Nsanzabaganwa, E. Das, T.K., Rana, D.S. and Kumar, S.N.	2014	Nitrogen and phosphorus effects on winter maize in an irrigated agro-ecosystem in western Indo-Gangetic plains of India	<i>Maydica</i> 59: 152-160	6.48	3
176.	Nsanzabaganwa, E., Das, T.K. and Rana, D.S.	2014	Nitrogen and phosphorus effects on the growth, phenology, heat and nutrients accumulation and yield of winter maize ( <i>Zea mays</i> ) in western Indo-Gangetic Plains	<i>Indian Journal of Agricultural Sciences</i> 84(5): 661-664	6.17	-
177.	Paul, J., Choudhary, A.K., Suri, V.K., Sharma, A.K., Kumar, V. and Shobhna	2014	Bioresource nutrient recycling and its relationship with biofertility indicators of soil health and nutrient dynamics in rice-wheat cropping system	<i>Communications in Soil Science and Plant Analysis</i> 45 (7): 912-924. [DOI: 10.1080/00103624.2013.867051]	6.53	5
178.	Prasad, R., Kumar, D., Shivay, Y.S. and Rana, D.S.	2014	Boron in Indian agriculture – A review	<i>Indian Journal of Agronomy</i> 59(4): 511-517	5.46	1



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179.	Prasad, R., Shivay, Y.S. and Kumar, D.	2014	Agronomic biofortification of cereal grains with iron and zinc In Donald L. Sparks, editor	<i>Advances in Agronomy</i> 125: 55-91	9.96	23
180.	Prasanna, R., Triveni, S., Bidyarani, N., Babu, S., Yadav, K., Adak, A., Khetarpal, S., Madan Pal, M., Shivay, Y.S. and Saxena, A.K.	2014	Evaluating the efficacy of cyanobacterial formulations and biofilmed inoculants for leguminous crops	<i>Archives of Agronomy and Soil Science</i> 60(3): 349-366. DOI: 10.1080/ 03650340. 2013.792407	-	18
181.	Rakshit, R., Patra, A.K., Purakayastha, T.J., Singh, R.D., Pathak, H. and Shiva Dhar	2014	Super-Optimal NPK along with Foliar Iron Application Influences Bioavailability of Iron and Zinc of Wheat	<i>Proceedings of the National Academy of Sciences, India Section B: Biological Sciences</i> DOI: 10.1007/ s40011-014-0428-2	6.40	-
182.	Ram, A., Kumar, D. and Anand, A.	2014	Direct and residual effect of S on productivity, protein content and nutrient uptake in wheat under aerobic rice-wheat cropping system	<i>Indian Journal of Fertilisers</i> 10(2): 50-55	3.78	-
183.	Saha, S., Singh, Y.V., Gaiind, S. and Kumar, D.	2014	Water productivity and nutrient status of rice soil in response to cultivation techniques and nitrogen fertilization	<i>Paddy and Water Environment</i> DOI: 10.1007/ s10333-014-0462-y	7.25	-
184.	Sepat, S., Behera, U.K., Sharma, A.R., Das, T.K. and Bhattacharyya, R.	2014	Productivity, organic carbon and residual soil fertility of a pigeonpea-wheat cropping system under different tillage and residue management practices in the western Indo-Gangetic plains of India	<i>Proceedings of the National Academy of Sciences, India Section B: Biological Sciences</i> DOI: (10.1007/ s40011-014-0359-y)	6.00	1
185.	Sepat, S., Shiva Dhar, Rai, R.K. and Bana, R.S.	2014	Soil properties, root growth and yield of maize ( <i>Zea mays</i> L.) wheat ( <i>Triticum aestivum</i> L.) cropping system as influenced by sources and levels of phosphorus	<i>Annals of Agricultural Research New Series</i> 35(1): 26-31	4.01	-
186.	Sharma, D.K. and Rana, D.S.	2014	Productivity, response to nitrogen and nutrient cycling of sole jatropha ( <i>Jatropha curcas</i> ) and intercropping system with baby corn ( <i>Zea mays</i> ) in India	<i>Indian Journal of Agricultural Sciences</i> 84(12): 1502-1507	6.17	-





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187.	Sharma, R., Pal, S. and Pankaj.	2014	Direct and residual effect of herbicides on weed dynamics and productivity of soybean ( <i>Glycine max</i> )–wheat ( <i>Triticum aestivum</i> ) cropping system	<i>Indian Journal of Agricultural Sciences</i> 84(2): 179-183	6.17	-
188.	Shivay, Y.S. and Prasad, R.	2014	Effect of source and methods of zinc application on corn productivity, nitrogen and zinc concentrations and uptake by high quality protein corn ( <i>Zea mays</i> )	<i>Egyptian Journal of Biology</i> 16(1): 72-78	6.41	3
189.	Shivay, Y.S., Prasad, R. and Pal, M.	2014	Effect of conditioning zinc sulfate heptahydrate (ZnSHH) with zinc oxide (ZnO) and neem oil on growth, productivity, zinc biofortification of grain and zinc uptake by basmati rice	<i>Journal of Plant Nutrition</i> 37: 1873-1884	6.51	2
190.	Shivay, Y.S., Prasad, R. and Pal, M.	2014	Effect of levels and sources of sulfur on yield, sulfur and nitrogen concentration and uptake and S-use efficiency in basmati rice	<i>Communication in Soil Science and Plant Analysis</i> 45(18): 2468-2479	6.42	-
191.	Shivay, Y.S., Prasad, R. and Pal, M.	2014	Effect of zinc fertilisation on grain and protein yield, nitrogen uptake and fertiliser use efficiency in chickpea	<i>Indian Journal of Fertilisers</i> 10(3): 24-27	3.78	1
192.	Singh, A., Shivay, Y.S. and Ansari, M.A.	2014	Enhancing productivity and Zn-use efficiency of <i>Basmati</i> rice through summer green manuring and Zn fertilisation Indian	<i>Journal of Fertilisers</i> 10(2): 42-48	3.78	-
193.	Singh, R.P., Verma, S.K., Singh, R.K. and Idnani, L.K.	2014	Influence of sowing dates and weed management on weed growth and nutrients depletion by weeds and uptake by chickpea under rainfed condition	<i>Indian Journal of Agricultural Sciences</i> 84(4): 468-72	6.17	2
194.	Singh, T., Rana, K.S. and Satapathy, B.S.	2014	Productivity, compatibility and economics of mustard ( <i>Brassica juncea</i> ) and lentil ( <i>Lens esculenta</i> ) intercropping system as influenced by moisture conservation practices and fertility levels under rainfed conditions	<i>Indian Journal of Agricultural Sciences</i> 84(6): 770-773	6.17	-



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195.	Subhash Babu, Rana, D.S., Yadav, G.S. and Ansari, M.A.	2014	A review on recycling of sunflower ( <i>Helianthus annuus</i> ) residue for sustaining soil health	<i>International Journal of Agronomy</i> 2014(2): 7-16	5.46	-
196.	Susha, V.S., Das, T.K. and Sharma, A.R.	2014	Carry-over effect of weed management practices of maize ( <i>Zea mays</i> ) on weed dynamics and productivity of succeeding zero and conventional till wheat ( <i>Triticum aestivum</i> )	<i>Indian Journal of Agronomy</i> 59(1): 41-47	5.46	1
197.	Susha, V.S., Das, T.K. and Sharma, A.R.	2014	Weed management in maize ( <i>Zea mays</i> ) in western Indo-Gangetic Plains through tank-mix herbicide application	<i>Indian Journal of Agricultural Sciences</i> 84(11): 1363-1368	6.17	-
198.	Swaroop, K., Jankiram, T. and Das, T.K.	2014	Flowering and corm yield of gladiolus cv. Jyotsna as influenced by pre-emergence application of different herbicides	<i>International Journal of Tropical Agriculture</i> 32(1-2): 89-94	3.49	1
199.	Bai, B., Suri, V.K., Kumar, A. and Choudhary, A.K.	2015	Influence of dual-inoculation of AM fungi and <i>Rhizobium</i> on growth indices, production economics and nutrient use efficiencies in garden pea ( <i>Pisum sativum</i> L.)	<i>Communications in Soil Science and Plant Analysis</i> 47(8): 941-954 DOI:10.1080/00103624.2016.1165830	6.53	1
200.	Baishya, L.K., S.S. Rathore, Singh, D., Sarkar D. and B.C., Deka	2015	Effect of integrated nutrient management on rice productivity, profitability and soil fertility	<i>Annals of Plant and Soil Research</i> 17(1): 86-90	4.39	-
201.	Bana, R.S., Shivay, Y.S. and Tyagi, V.K.	2015	Influence of summer forage crops and phosphogypsum-enriched urea on soil quality, nitrogen-use efficiency and quality parameters of <i>Basmati</i> rice ( <i>Oryza sativa</i> ) and their residual effect on succeeding wheat ( <i>Triticum aestivum</i> )	<i>Indian Journal of Agricultural Sciences</i> 85(4): 531-538	6.17	-
202.	Barod, N.K. and Shiva Dhar	2015	Residual soil fertility and nutrient uptake in baby corn as influenced by nutrient sources and weed control measures	<i>Annals of Agricultural Research</i> 36(3): 290-294	4.01	-



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203.	Behera, U.K., Babu, Amjath, Kaechele, H. and France, J.	2015	Energy self-sufficient sustainable integrated farming systems for livelihood security under a changing climate scenario in an Indian context: a case study approach	<i>CAB Reviews</i> 10(019): 1-11	-	1
204.	Behera, U.K., Saiprasad, S.V. and Dass, A.	2015	Response of wheat varieties to different nitrogen levels under dryland conditions in Vertisols of Central India	<i>Annals of Agricultural Research</i> 36(2): 152-159	4.01	-
205.	Bhattacharyya, R., Das, T.K., Sudhishri, S., Dudwal, B., Sharma, A.R., Bhatia, A. and Singh, G.	2015	Conservation agriculture effects on soil organic carbon accumulation and crop productivity under a rice-wheat cropping system in the western Indo-Gangetic Plains European	<i>Journal of Agronomy</i> 70: 11-21	9.19	5
206.	Bhol, N., Sarangi S.K. and Behera, U.K.	2015	Coconut-based farming system: a viable land use option for livelihood improvement of small and marginal farmers in coastal Odisha	<i>Indian Journal of Agricultural Sciences</i> 85(10): 1488-97	6.17	3
207.	Choudhary, G.L., Rana, K.S., Bana, R.S. and Prajapat, K.	2015	Moisture conservation and zinc fertilization impacts on quality, nutrient uptake and profitability of chickpea ( <i>Cicer arietinum</i> L.) under limited moisture conditions	<i>Legume Research</i> DOI: 10.18805/lr.v0i OF.9560	6.15	-
208.	Dass A., Shivkumar, B.G., Shiva Dhar and Kumar, K.	2015	Soil and plant based precision N management in <i>rabi</i> maize ( <i>Zea mays</i> L.) in north-Indian alluvial plains	<i>Annals of Agricultural Research</i> 36(4): 358-363	4.01	-
209.	Dass, A., Kaur, R., Choudhary, A.K., Pooniya, V., Rana, D.S., Raj, R. and Rana, K.S.	2015	System of rice Intensification for enhanced productivity and resource-use-efficiency: A review	<i>Indian Journal of Agronomy</i> 60(1): 1-19	5.46	-
210.	Dass, A., Shivkumar, B.G., Dhar, S. and Kumar, K.	2015	Soil and plant based precision N management in <i>rabi</i> maize ( <i>Zea mays</i> L.) in north-Indian alluvial plains	<i>Annals of Agricultural Research</i> 36(4): 358-363	4.01	-
211.	Dayal, D., Mangalassery, S., Meena, S.L. and Ram, B.	2015	Productivity and profitability of legumes as influenced by integrated nutrient management with fruit crops under hot arid ecology	<i>Indian Journal of Agronomy</i> 60(2): 297-300	5.46	-



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212.	Gaind, S. and Singh, Y.V.	2015	Soil organic phosphorus fractions in response to long-term fertilization with composted manures under rice- wheat cropping system	<i>Journal of Plant Nutrition</i> DOI: 10.1080/01904167.2015	6.51	1
213.	Ghasal, P.C., Shivay, Y.S. and Pooniya, V.	2015	Response of basmati rice ( <i>Oryza sativa</i> ) varieties to zinc fertilization	<i>Indian Journal of Agronomy</i> 60(3): 403-409	5.46	-
214.	Gupta, D.K., Bhatia, A., Das, T.K., Singh, P., Kumar, A., Jain, N. and Pathak, H.	2015	Economic analysis of different greenhouse gas mitigation technologies in rice-wheat cropping system of the Indo-Gangetic Plains	<i>Current Science</i> 110(5): 867-874	6.97	-
215.	H.K. Sahoo, B. Behera and U.K. Behera	2015	Farming systems for enhancing land productivity and soil health of rainfed rice farms in the fragile ecologies of Odisha	<i>Indian Journal of Agronomy</i> 60(4): 149-156	5.46	-
216.	H.K. Sahoo, B. Behera and U.K. Behera	2015	Rice-based integrated farming system for imparting sustainability to rainfed rice farms in disadvantaged districts of Odisha in eastern India	<i>Journal of Soil and Water Conservation</i> 14(2): 186-191	7.75	-
217.	Hajebi, A., Das, T.K., Singh, S.B., Saha, S., Sefidkon, F., Lebaschi, M.H. and Hajebi, F.	2015	Effect of tillage and weed management practices on growth and oleoresin yield of chilli ( <i>Capsicum annuum</i> L.)	<i>Pesticide Research Journal</i> 27(1): 122-127	5.90	-
218.	Hajebi, A., Das, T.K., Vyas, A.K. and Rana, D.S.	2015	Planting method and tank-mix herbicides effects on weed management in garlic ( <i>Allium sativum</i> )	<i>Indian Journal of Agricultural Sciences</i> 85(3): 437-441	6.17	-
219.	Hashim, M., Shiva Dhar, Vyas, A.K., Pramesh, V. and Kumar, B.	2015	Integrated nutrient management in maize ( <i>Zea mays</i> )-wheat ( <i>Triticum aestivum</i> ) cropping system	<i>Indian Journal of Agronomy</i> 60(3): 352-359	5.46	1
220.	Jadhav, A., Kumar, A., Singh, A. K., Singh, I. and Das, T.K.	2015	Response of maize hybrids ( <i>Zea mays</i> ) to staggered sowing	<i>Indian Journal of Agronomy</i> 60(3): 476-478	5.46	-
221.	Jinger, D., Sharma, R. and Dass, A.	2015	Sequential application of herbicides improves weed control and productivity of rainy season greengram ( <i>Vigna radiata</i> L. Wilczek) in north Indian plains	<i>Indian Journal of Agronomy</i> 61(1): 112-114	5.46	-



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222.	Jinger, D., Sharma, R. and Sepat, S.	2015	Weed biomass and yield of greengram ( <i>Vigna radiata</i> ) as affected by sequential application of herbicides in Indo-Gangetic Plains	<i>Indian Journal of Agricultural Sciences</i> 86(3): 418-22	6.17	-
223.	Karunakaran, V. and Behera, U.K.	2015	Conservation agriculture in soybean ( <i>Glycine max</i> ) - wheat ( <i>Triticum aestivum</i> ) cropping system- a review	<i>Agricultural Reviews</i> 36(3): 169-183	4.37	-
224.	Karunakaran, V. and Behera, U.K.	2015	Influence of sequential tillage and residue management practices on soil and root parameters in soybean ( <i>Glycine max</i> ) - wheat ( <i>Triticum aestivum</i> ) cropping system	<i>Indian Journal of Agricultural Sciences</i> 85(2): 182-188	6.17	-
225.	Karunakaran, V. and Behera, U.K.	2015	Tillage and residue management practices on yield, profitability, energy and water use efficiency in soybean-wheat cropping system	<i>Experimental Agriculture</i> DOI: 10.1017/S0014479715000277	7.08	-
226.	Kaur, R. Singh, K., Deol, J.S., Dass, A. and Choudhary, Anil K.	2015	Possibilities of improving performance of direct seeded rice using plant growth regulators: A review.	<i>Proc. Natl. Sci., India, Secti. Biol. Sci.</i> DOI: 101007/s40011-015-0551-8	6.4	4
227.	Kaur, R., Dass, A. and Verma, V.P.	2015	Nitrogen management schedule for <i>Bt</i> cotton under different planting geometries in semi-arid north-western plains of India	<i>Annals of Agricultural Research</i> New Series 36(4): 384-38	4.01	-
228.	Kaur, R., Mahey, R.K and Sood, A.	2015	Derivation of weed intensity maps in wheat ( <i>Triticum aestivum</i> ) using spatial data with GIS in the central districts of Punjab, India	<i>Indian Journal of Agricultural Sciences</i> 85(5): 640-44	6.17	-
229.	Kaur, R., Raj Rishi, Das, T.K., Shekhawat, K., Singh, R. and Choudhary, A.K.	2015	Weed management in pigeonpea-based cropping systems	<i>Indian Journal of Weed Science</i> 47(3): 267-276	5.17	2
230.	Kumar A., Rishi Raj, Shiva Dhar and U.C. Pandey	2015	Performance of System of Wheat Intensification (SWI) and conventional wheat sowing under North Eastern Plain Zone of India	<i>Annals of Agricultural Research</i> 36(3): 258-262	4.01	1



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231.	Kumar Ravi, K., Nain, M.S., Singh, R., Chahal, V.P. and Bana R.S.	2015	Analysis of farmers' communication network and factors of knowledge regarding agro-metrological parameters	<i>Indian Journal of Agricultural Sciences</i> 85(12): 1592-1596	6.17	-
232.	Kumar, A., Choudhary, A.K. and Suri, V.K.	2015	Influence of AM-fungi and applied phosphorus on growth indices, production efficiency, phosphorus-use efficiency and fruit-succulence in okra ( <i>Abelmoschus esculentus</i> )–pea ( <i>Pisum sativum</i> ) cropping system in an acid Alfisol	<i>Indian Journal of Agricultural Sciences</i> 85(8): 1030-1037	6.17	3
233.	Kumar, A., Rana, K.S., Rana, D.S. Bana, R.S., Choudhary, A.K. and Pooniya, V.	2015	Effect of nutrient- and moisture-management practices on crop productivity, water-use efficiency and energy dynamics in rainfed maize ( <i>Zea mays</i> ) + soybean intercropping system	<i>Indian Journal of Agronomy</i> 60(1): 152-156	5.46	2
234.	Kumar, A., Suri, V.K., Choudhary, A.K., Yadav, A., Kapoor, R., Sandal, S. and Dass, A.	2015	Growth behavior, nutrient harvest index and soil fertility in okra–pea cropping system as influenced by AM fungi, applied phosphorus and irrigation regimes in Himalayan acid Alfisol	<i>Communications in Soil Science and Plant Analysis</i> 46(17): 2212-2233 DOI: 10.1080/00103624.2015.1069323	6.53	1
235.	Kumar, B., Shiva Dhar, Vyas, A.K. and Pramesh, V.	2015	Impact of irrigation schedules and nutrient management on growth, yield and root traits of wheat ( <i>Triticum aestivum</i> ) varieties	<i>Indian Journal of Agronomy</i> 60(1): 87-91	5.46	-
236.	Kumar, D., Purakayastha, T.J. and Shivay, Y.S.	2015	Long term effect of organic manures and biofertilizers on soil physical properties and system productivity of rice-wheat system	<i>International Journal of Bio-resource and Stress Management</i> 6(2):176-181 DOI: 10.5958/0976-4038.2015.00030.5	4.46	-
237.	Kumar, S., Shiva Dhar, Hariom and Meena, R.L.	2015	Enhanced root traits and productivity of maize ( <i>Zea mays</i> ) and wheat ( <i>Triticum aestivum</i> ) in maize - wheat cropping system through integrated potassium management	<i>Indian Journal of Agricultural Sciences</i> 85(2): 251-255	6.17	-



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238.	Kumar, S., Shiva Dhar, Kumar, A. and Kumar, D.	2015	Yield and nutrient uptake of maize ( <i>Zea mays</i> )-wheat ( <i>Triticum aestivum</i> ) cropping system as influenced by integrated potassium management	<i>Indian Journal of Agronomy</i> 60(4): 511-515	5.46	-
239.	Kumar, S., Shiva Dhar, Meena, R.L. and Hari Om	2015	Productivity enhancement and biofortification of maize ( <i>Zea mays</i> )-wheat ( <i>Triticum aestivum</i> ) cropping system through integrated potassium management	<i>Indian Journal of Agricultural Sciences</i> 85(1): 97-101	6.17	-
240.	Kumar, V., Kumar, D., Singh, Y.V. and Raj, R.	2015	Effect of iron fertilization on dry-matter production, yield and economics of aerobic rice ( <i>Oryza sativa</i> )	<i>Indian Journal of Agronomy</i> 60(4): 547-553	5.46	-
241.	Kumar, V., Singh, A.K., Jat, S.L., Parihar, C.M., Pooniya, V., Singh, B. and Sharma, S.	2015	Precision nutrient and conservation agriculture practices for enhancing productivity, profitability, nutrient-use efficiencies and soil nutrient status of maize ( <i>Zea mays</i> ) hybrids	<i>Indian Journal of Agricultural Sciences</i> 85(7): 926-930	6.17	2
242.	Lakshman, K., Vyas, A.K., Shivakumar, B.G. and Rana, D.S.	2015	Effect of levels and time of sulphur application on growth and yield and quality of soybean ( <i>Glycine max</i> )	<i>Indian Journal of Agronomy</i> 60(1): 121-125	5.46	-
243.	Lal, B., Rana, K.S., Rana, D.S., Gautam, P., Rana, D.S., Shivay, Y.S., Meena, B.P., Meena, R.K. and Singh, P.	2015	Ethiopian mustard-chickpea intercropping system is a viable option for yield advantage in dryland condition of North India-Part II	<i>Proceedings of National Academy of Sciences, India Section B Biology and Science</i> DOI: 10.1007/s40011-015-0518-9	6.20	-
244.	Layek, J. Shivakumar, B.G., Rana, D.S. Munda, S. and Lakshman K.	2015	Effect of nitrogen fertilization on yield, intercropping indices and producequality of different soybean ( <i>Glycine max</i> ) + cereal intercropping systems	<i>Indian Journal of Agronomy</i> 60(2): 230-235	5.46	-
245.	Layek, J., Shivakumar, B.G., Rana, D.S., Munda, S., Lakshman, K., Panwar, A.S., Das, A. and Ramkrushna, G.I.	2015	Performance of soybean ( <i>Glycine max</i> ) intercropped with different cereals under varying levels of nitrogen	<i>Indian Journal of Agricultural Sciences</i> 85(12): 1571-1577	6.17	-



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246.	Maharana, J.R., Acharya, P., Jakhar, P. and Dass, A.	2015	On-farm evaluation and adoption of improved sweet potato ( <i>Ipomea batatas</i> ) cultivation among tribal farmers in Koraput region of Odisha, India	<i>Annals of Agricultural Research</i> 36(2): 324-330	4.01	-
247.	Meena, J.R., Behera, U.K, Chakraborty, D. and Sharma, A.R.	2015	Tillage and residue management effect on soil properties, crop performance and energy relations in greengram ( <i>Vigna radiata</i> L.) under maize-based cropping systems	<i>International Soil and Water Conservation Research</i> 3(4): 1-12	-	1
248.	Meena, R.K., Vashisth, A., Aggarwal, P., Bhattacharyya, R., Das, T.K. and Singh, S.D.	2015	Growth and yield of maize crop under different conservation practices in semi-arid region of India	<i>Journal of Agroecology and Natural Resource Management</i> 2(4): 264-267	-	-
249.	Meena, R.L., Chauhan, J.S., Singh, K.H. and Rathore, S.S.	2015	Genetic variability and correlation analysis in Indian mustard [ <i>Brassica juncea</i> (L.) Czern & Coss.] under drought stress	<i>Indian Journal of Plant Genetic Resources</i> 28(3): 329-334	5.12	-
250.	Meena, R.L., Idnani, L.K., Kumar, A., Khanna, M., Shukla, L. and Choudhary, R.L.	2015	Water economization in <i>rabi</i> maize ( <i>Zea mays</i> L.) to enhance productivity through land configuration and irrigation scheduling in the Indo-Gangetic plains of India	<i>Journal of Soil and Water Conservation</i> 14(1): 49-55	7.75	-
251.	Mishra, A.K., Aggarwal, P., Bhattacharyya R., Das, T.K., Sharma, A.R. and Singh, R.	2015	Least limiting water range for two conservation agriculture cropping systems in India	<i>Soil and Tillage Research</i> 150: 43-56	8.62	5
252.	Mohanty S.K., Singh A.K., Jat S.L., Parihar C.M., Pooniya V., Sharma S., Sandhya, Chaudhary V. and Singh B.	2015	Precision nitrogen-management practices influences growth and yield of wheat ( <i>Triticum aestivum</i> ) under conservation agriculture	<i>Indian Journal of Agronomy</i> 60(4): 86-90	5.46	-
253.	Mukherjee, I., Das, T.K., Kumar, A., Sarkar, B. and Sharma, K.K.	2015	Behavior and bioefficacy of tribenuron-methyl in wheat ( <i>Triticum aestivum</i> L.) under irrigated agro-ecosystem in India	<i>Environmental Monitoring and Assessment</i> 187(10): 610 DOI: 10.1007/s10661-015-4826-6	7.63	-





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254.	Munda, S. Shivakumar, B.G., Gangaiah, B. Rana D.S., Layek, J. and Lashman K.	2015	Influence of direct and residual phosphorus fertilization on growth and yield of potato in a soybean-potato cropping system	<i>Australian Journal of Crop Science</i> 9(3): 191-202	5.0	2
255.	Nath, C.P., Das, T.K., Rana, K.S., Pathak, H., Bhattacharyya, R., Paul, S., Singh, S.B. and Meena, M.C.	2015	Weed management and wheat productivity in a conservation agriculture-based maize ( <i>Zea mays</i> )-wheat ( <i>Triticum aestivum</i> )-mungbean ( <i>Vigna radiata</i> ) system in north-western Indo-Gangetic plains of India	<i>Indian Journal of Agronomy</i> 60(4): 554-563	5.46	-
256.	Noman, H.M., Rana, D.S. and Rana, K.S.	2015	Influence of sulphur and zinc levels and zinc solubilizer on productivity, economics and nutrient uptake in groundnut ( <i>Arachis hypogaea</i> )	<i>Indian Journal of Agronomy</i> 60(2): 301-306	5.46	-
257.	Panwar, A.S. and Shivay, Y.S.	2015	Production potential of baby corn ( <i>Zea mays</i> ) on raised bed in waterlogged lowland rice fallow in North East India	<i>Indian Journal of Agricultural Sciences</i> 85(11): 1424-1427	6.17	-
258.	Paul, T., Rana, D.S. Das, T.K., Rana, K.S. and Rajpoot, S.K	2015	Methods of cotton ( <i>Gossypium hirsutum</i> ) establishment and zinc fortification in cotton based cropping systems: Direct and residual effect on onion ( <i>Allium cepa</i> ) and system productivity of cotton-onion cropping system	<i>Indian Journal of Agronomy</i> 60(3): 372-80	5.46	-
259.	Pooniya, V. and Shivay, Y.S.	2015	Influence of green manuring and zinc fertilization on quality parameters of Basmati rice	<i>Communication in Soil Science and Plant Analysis</i> 46(3): 382-392 DOI:10.1080/00103624.2014.981275	6.42	2
260.	Pooniya, V., Choudhary, A.K. and Swarnalakshmi, K.	2015	High-value crops' imbedded intensive cropping systems for enhanced productivity, resource-use-efficiency, energetics and soil-health in Indo-Gangetic plains	<i>Proc. Natl. Acad. Sci., India, Sect. B. Biol. Sci.</i> DOI: 10.1007/s40011-015-0679-6	6.40	1



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261.	Pooniya, V., Choudhary, A.K., Dass, A., Bana, R.S., Rana, K.S., Rana, D.S., Tyagi, V.K., and Puniya, M.M.	2015	Improved crop management practices for sustainable pulse production: An Indian perspective	<i>Indian Journal of Agricultural Sciences</i> 85(6): 747-758	6.17	4
262.	Pooniya, V., Jat, S.L., Choudhary, A.K., Bana, R.S. Swarnalakshmi, K., Rana, K.S.	2015	Nutrient Expert assisted site-specific-nutrient management: An alternative precision fertilization technology for maize-wheat cropping system in South-Asian Indo-Gangetic Plains	<i>Indian Journal of Agricultural Sciences</i> 85(8): 996-1002	6.17	4
263.	Prajapat, K., Vyas, A. K. and Shiva Dhar	2015	Effect of cropping systems and nutrient management practices on growth, productivity, economics and nutrient uptake of soybean ( <i>Glycine max</i> )	<i>Indian Journal of Agricultural Sciences</i> 85(9): 1138-43	6.17	-
264.	Prasad, R. and Shivay, Y.S	2015	Effects of secondary/micro-nutrients on nitrogen recovery efficiency in different crops	<i>Indian Journal of Fertilisers</i> 11(11): 51-52	3.72	5
265.	Prasad, R. and Shivay, Y.S.	2015	Fertilizer nitrogen for the life, agriculture and the environment	<i>Indian Journal of Fertilisers</i> 11(8): 47-53	3.72	3
266.	Prasanna, R., Adak, A., Verma, S., Bidyarani, N., Babu, S., Pal, M., Shivay, Y.S. and Nain, L.	2015	Cyanobacterial inoculation in rice grown under flooded and SRI modes of cultivation elicits differential effects on plant growth and nutrient dynamics	<i>Ecological Engineering</i> 84: 532-541	9.04	3
267.	Prasanna, R., Babu, S., Bidyarani, Shivay, Y.S. and Nain, L.	2015	Synergistic action of PGP agents and <i>Rhizobium</i> spp. for improved plant growth, nutrient mobilization and yields in different leguminous crops	<i>Biocatalysis and Agricultural Biotechnology</i> 4: 456-464 DOI: 10.1016/j.bcab. 2015.09.004	-	-
268.	Prasanna, R., Hossain, F., Babu, S., Bidyarani, N., Adak, A., Verma, S., Shivay, Y.S. and Nain, L.	2015	Prospecting cyanobacterial formulations as plant growth promoting agents for maize hybrids	<i>South African Journal of Plant and Soil</i> 32(4): 199-207. DOI:10.1080/02571862.2015.1025444	-	-



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269.	Rakshit, R., Patra, A.K., Purakayastha, T.J., Singh, R.D., Pathak, H., Shiva Dhar and Das, Anupam	2015	Super-optimal fertilization affects root growth and soil microbial abundance and biomass during wheat growth	<i>J. Food, Agric. and Env.</i> 14(1): 112-118	5.0	2
270.	Rakshit, R., Patra, A.K., Purakayastha, T.J., Singh, R.D., Pathak, H. and Shiva Dhar	2015	Effect of super-optimal dose of npk fertilizers on nutrient harvest index, uptake and soil fertility levels in wheat crop under a maize ( <i>Zea mays</i> )-wheat ( <i>Triticum aestivum</i> ) cropping system	<i>Intern. J. Bio-resource and Stress Manag.</i> 6(1): 15-23	4.46	-
271.	Rana, A., Kabia, S.R., Verma, S., Pal, M., Shivay, Y.S., Prasanna, R. and Nain, L.	2015	Prospecting plant growth promoting bacteria and cyanobacteria as options for enrichment of macro and micronutrients in grains in rice-wheat cropping sequence	<i>Cogent Food and Agriculture</i> 1: 1037379	-	10
272.	Rathore, S.S., Shekhawat, K., Kandpal, B.K., Premi, O.P., Singh, S.P. and Singh, D.	2015	Sulphur management for increased productivity of Indian mustard: A review	<i>Annals of Plant and Soil Research</i> 17(1): 1-12	3.66	2
273.	Rathore, S.S., Shekhawat, K., Meena, A. and Singh, D.	2015	Growth, productivity and economics of coral-432 (Indian mustard hybrid) under different cropping system	<i>Journal of Oilseed Brassica</i> 6(1): 202-208	3.43	-
274.	Ray, K., Banerjee, H., Paul, T. and Das, T.K.	2015	Irrigation and sulphur fertilization effects on the productivity, profitability and green house gases emissions in Indian mustard	<i>Experimental Agriculture</i> 1-13 DOI: 10.1017/S0014479715000198	7.08	-
275.	Renuka S., Prasanna, R., Sood, A., Ahluwalia, A.S., Bansal, R., Babu, S., Singh, R., Shivay, Y.S. and Nain, L.	2015	Exploring the efficacy of waste water-grown microalgal biomass as a biofertilizer for wheat	<i>Environmental Science and Pollution Research</i> 23: 6608-6620 DOI: 10.1007/s11356-015-5884-6	8.76	1
276.	Saad, A.A., Das, T.K., Rana, D.S. and Sharma, A.R.	2015	Productivity, resource-use efficiency and economics of maize ( <i>Zea mays</i> )-wheat ( <i>Triticum aestivum</i> )-greengram ( <i>Vigna radiata</i> ) cropping system under conservation agriculture in irrigated north-western Indo-Gangetic plains	<i>Indian Journal of Agronomy</i> 60(4): 502-510	5.0	1



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277.	Saha, N.D., Chaudhary, A, Singh, S.D, Singh, D., Walia, S. and Das, T.K.	2015	Plant pathogenic microbial communication affected by elevated temperature in <i>Pectobacterium carotovorum</i> subsp <i>Caroto-vorum</i>	<i>Current Microbiology</i> 71: 585-593	7.42	-
278.	Sahoo, H.K., B. Behera and U.K. Behera	2015	Rice-based integrated farming system for imparting sustainability to rainfed rice farms in disadvantaged districts of Odisha in eastern India	<i>Journal of Soil and Water Conservation</i> 14(2): 186-191	-	-
279.	Sepat S., Sharma, A.R., Kumar D. and Das, T.K.	2015	Effect of conservation agriculture practices on productivity and sustainability of pigeonpea ( <i>Cajanus cajan</i> )-wheat ( <i>Triticum aestivum</i> ) cropping system under Indo-Gangetic Plains of India	<i>Indian Journal of Agricultural Sciences</i> 85(2): 212-216	6.18	-
280.	Shahane, A.A., Singh, Y.V., Kumar, D., Prasanna, R. and Chakraborty, D.	2015	Effect of planting methods and cyanobacterial inoculants on yield, water productivity and economics of rice cultivation	<i>Journal of Agriculture and Rural Development in the Tropics and Subtropics</i> 116(2): 107-121	5.00	-
281.	Shahane, A.A., Singh, Y.V., Prasanna, R., Chakraborty, D. and Kumar, D.	2015	Influence of cyanobacterial inoculants and planting methods of rice ( <i>Oryza sativa</i> ) on soil microbial parameters, aggregation and carbon content	<i>Indian Journal of Agricultural Sciences</i> 85(5): 734-7	6.17	-
282.	Sharma, A.R. and Behera, U.K.	2015	Response of wheat ( <i>Triticum aestivum</i> ) to nitrogen fertilization under varying tillage and crop establishment practices in greengram ( <i>Vigna radiata</i> )–wheat cropping system	<i>Experimental Agriculture</i> DOI: 10.1017/S0014479715000289 (E125:7.08)	6.97	-
283.	Sharma, S.K., Tyagi S, Singh, Y.V, Tomar B.S. and Singh, K.K.	2015	Productivity and profitability of aerobic rice as influenced by varieties and integrated nitrogen management	<i>Indian Journal of Agricultural Sciences</i> 85(11): 1435-1439	6.17	-
284.	Sharma, S.K., Singh, Y.V., Tyagi, S. and Bhatia, Arti	2015	Influence of rice varieties, nitrogen management and planting methods on methane emission and water productivity	<i>Paddy Water Environ.</i> DOI: 10.1007/s10333-015-0502-2	6.87	1



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285.	Shiva Dhar, Barah, B.C., Vyas, A.K. and Uphoff, N.T.	2015	Comparing System of Wheat Intensification (SWI) with standard recommended practices in the north western plain zone of India	<i>Archives of Agronomy and Soil Science</i> 62(7): 994-1006	7.12	4
286.	Shivay, Y.S. and Prasad, R.	2015	Biofortification of food crops with zinc and iron	<i>Encyclopedia of Soil Science</i> DOI: 10.1081/E-ESS3-120053596	-	-
287.	Shivay, Y.S., Prasad, R. and Pal, M.	2015	Effect of source and method of zinc application on yield, zinc biofortification of grain and Zn uptake and use efficiency in chickpea ( <i>Cicer arietinum</i> L.)	<i>Communication in Soil Science and Plant Analysis</i> 46(17): 2191-2200	6.39	-
288.	Shivay, Y.S., Prasad, R. and Pal, M.	2015	Effect of sources, methods and time of application of zinc on productivity, zinc uptake and use efficiency of oats ( <i>Avena sativa</i> L.) under zinc deficient condition	<i>Journal of Plant Nutrition</i> 38(9): 1372-1382	6.51	2
289.	Singh, A. and Shivay, Y.S.	2015	Zinc application and green manuring enhances growth and yield in basmati rice ( <i>Oryza sativa</i> L.)	<i>Indian Journal of Plant Physiology</i> 20(3): 289-296	5.18	3
290.	Singh, A.K., Parihar, C.M., Jat, S.L., Singh, B. and Sharma, S.	2015	Weed management strategies in maize ( <i>Zea mays</i> ): Effect on weed dynamics, productivity and economics of the maize-wheat ( <i>Triticum aestivum</i> ) cropping system in Indo-gangetic plains	<i>Indian Journal of Agricultural Sciences</i> 85(1): 87-92	6.17	2
291.	Singh, G., Kumar, D. and Sharma, P.	2015	Effect of organics, biofertilizers and crop residue application on soil microbial activity in rice-wheat and rice-wheat mungbean cropping systems in the Indo-Gangetic plains	<i>Cogent Geoscience</i> 1: 1085296	-	-
292.	Singh, G.D., Vyas, A.K. and Shiva Dhar	2015	Productivity and profitability of wheat ( <i>Triticum aestivum</i> )-based cropping systems under different nutrient-management practices	<i>Indian Journal of Agronomy</i> 60(1): 52-56	5.46	-



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293.	Singh, R.	2015	Productivity and profitability of clusterbean ( <i>Cyamopsis tetragonoloba</i> )-cumin ( <i>Cuminum cyminum</i> ) cropping systems as influenced by nutrient management under arid condition of Rajasthan	<i>Indian Journal of Agronomy</i> 60(2): 217-223	5.46	1
294.	Singh, V.K., Rani, M., Dwivedi, B.S., Singh, S.K., Gupta, V.K., Majumdar, K. and Mishra, R.P.	2015	Soil organic carbon stock variability in the Northern Gangetic Plains of India: interaction between agro-ecological characteristics and cropping systems	<i>Soil Use and Management</i> 31: 461-473 DOI: 10.1111/sum.12217	7.82	2
295.	Tuti, M.D., Das, T.K., Sairam, R.K., Annapurna, K. and Singh, S.B.	2015	Effect of sequential application of metribuzin on selectivity and weed control in soybean	<i>International Journal of Pest Management</i> 61(1): 17-25	6.37	-
296.	Yadav, A., Suri, V.K., Kumar, A. Choudhary, A.K. and Meena, A.L.	2015	Enhancing plant water relations, quality and productivity of pea ( <i>Pisum sativum</i> L.) through AM fungi, inorganic phosphorus and irrigation regimes in a Himalayan acid Alfisol	<i>Communications in Soil Science and Plant Analysis</i> 46 (1): 80-93 DOI:10.1080/00103624.2014.956888	6.53	7
297.	Yadav, D., Singh, Y.V., Gaiind, S., Kumar, D., Deepak and Sharma, D.K.	2015	Inorganic phosphorus fractions and recovery efficiency in aerobic rice ( <i>Oryza sativa</i> ) in relation to sources and levels of phosphorus., May 2015/ Short communication	<i>Indian Journal of Agricultural Sciences</i> 85(5): 734-737	6.17	-
298.	Yadav, O.P., Hossain, F., Karjagi, C.G., Kumar, B., Zaidi, P.H., Jat, S.L., Chawla, J.S., Kaul, J., Hooda, K.S., Kumar, P., Yadava, P. and Dhillon, B.S.	2015	Genetic Improvement of Maize in India: Retrospect and Prospects	<i>Agricultural Research</i> 4(4): 1-14 DOI: 10.1007/s40003-015-0180-8	5.88	2
299.	Bai, B., Suri, V.K., Kumar, A. and Choudhary, A.K.	2016	Influence of <i>Glomus-Rhizobium</i> symbiosis on productivity, root morphology and soil fertility in garden pea in Himalayan acid Alfisol	<i>Communications in Soil Science and Plant Analysis</i> 47(6): 787-798 DOI:10.1080/00103624.2016.1146896	6.53	1



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300.	Behera, U.K. and J. France	2016	Integrated farming systems for livelihood security of small and marginal farmers in India and other developing countries	<i>Advances in Agronomy</i> 138: 235-282	10.38	-
301.	Bhatt B.P, S.S. Rathore, Lemtur, M. and Sarkar, B.	2016	Fuelwood energy pattern and biomass resources in Eastern Himalaya	<i>Renewable Energy</i> 94: 410-417	9.40	1
302.	Choudhary, A.K.	2016	Scaling-up of protected cultivation in Himachal Pradesh, India - A case study	<i>Current Science</i> 111: 272-277	6.97	1
303.	Choudhary, G.L., Rana, K.S., Rana, D.S. Bana, R.S. and Choudhary, M.	2016	Moisture management and zinc fortification impacts on economics, quality and nutrient uptake of pearl millet ( <i>Pennisetum glaucum</i> L.) under rainfed conditions	<i>Indian Journal of Agricultural Sciences</i> 86(1): 71-77	6.17	-
304.	Choudhary, M., Rana, K.S., Rana, D.S. and Bana R.S.	2016	Tillage and crop residue effects in rainfed pearl millet in conjunction with sulphur fertilization under pearl millet-Indian mustard cropping system	<i>Indian Journal of Agronomy</i> 61(1): 15-19	5.46	-
305.	Das, T.K., Bandyopadhyay, K.K., Bhattacharyya, R., Sudhishri, S., Sharma, A.R., Behera, U.K., Saharawat, Y.S., Sahoo, P.K., Pathak, H., Vyas, A.K., Gupta, H.S., Gupta, R.K. and Jat, M.L.	2016	Effects of conservation agriculture on crop productivity and water use efficiency under an irrigated pigeonpea-wheat cropping system in the western Indo-Gangetic Plains	<i>Journal of Agricultural Science (Cambridge)</i> 1-16	6.17	3
306.	Dass, A., Chandra, S., Choudhary, A.K., Singh, G. and Sudhishri, S.	2016	Influence of field re-ponding pattern and plant spacing on rice root-shoot characteristics, yield, and water productivity of two modern cultivars under SRI management in Indian Mollisols	<i>Paddy and Water Environment</i> 14(1): 45-59 DOI: 10.1007/s10333-015-0477-z	6.87	5
307.	Dwivedi, B.S., Singh, V.K., Meena, M.C., Dey, A. and Datta, S.P.	2016	Integrated nutrient management for enhancing nitrogen use efficiency	<i>Indian Journal of Fertilisers</i> 12(4): 62-71	3.78	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
308.	Ghasal, P.C., Shivay, Y.S., Pooniya, V., Kumar, P. and Verma, R.K.	2016	Zinc fertilization enhances growth and quality parameters of aromatic rice ( <i>Oryza sativa</i> L.) varieties	<i>Indian Journal of Plant Physiology</i> 21(3): 323-332	5.18	-
309.	Ghosh, A.P., Dass, A. and Kaur, R.	2016	Effect of growing environments and chlorophyll meter based N management on productivity and profitability of maize cultivars in alluvial plains of North-India	<i>Indian Journal of Ecology</i> 43 (special issue 1): 66-71	4.96	-
310.	Gupta, A.K., Raj, R., Kumari, K., Singh, S.P., Solanki, I.S. and Choudhary, R.	2016	Management of major diseases of Indian mustard through balanced fertilization, cultural practices and fungicides in calcareous soils	<i>Proceedings of the National Academy of Sciences India Section B: Biological Science</i> DOI: 10.1007/s40011-016-0749-4	6.0	-
311.	Hajebi, A., Das, T.K., Arora A., Singh, S.B. and Hajebi, F.	2016	Herbicides tank-mixes effects on weeds and productivity and profitability of chilli ( <i>Capsicum annuum</i> L.) under conventional and zero tillage	<i>Scientia Horticulturae</i> 198: 191-196	7.54	1
312.	Hussain, A., Kumar, D., Bhat, M.A., Ganai, M.A. and Hussain, S.T.	2016	Yield, nutrient uptake and soil nutrient balance in wheat ( <i>Triticum aestivum</i> ) as affected by nutrient omissions in cotton ( <i>Gossypium</i> spp) - wheat cropping system	<i>Indian Journal of Agricultural Sciences</i> 86(3): 355-61	6.17	-
313.	Jat, H.S., Jat, R.K., Yadvinder-Singh, Parihar, C.M., Jat, S.L., Tetarwal, J.P., Sidhu, H.S. and Jat, M.L.	2016	Nitrogen management under conservation agriculture in cereal-based systems	<i>Indian Journal of Fertilisers</i> 12(4): 76-91	3.78	-
314.	Jat, M.L., Jat, H.S., Jat, R.K., Tetarwal, J.P., Jat, S.L., Parihar, C.M. and Sidhu, H.S.	2016	Conservation agriculture-based sustainable intensification of cereal systems for enhancing pulse production and attaining higher resource-use efficiency in India	<i>Indian Journal of Agronomy</i> 61 (4th IAC Special issue): S182-S198	5.46	-
315.	Jakhar, P., Dass, A., Adhikary, P.P., S. Sudhishri, S., B.S. Naik, H. Gowda, M. Madhu, N.K. Lenka P.R. Chaudhary and R.K. Panda	2016	Multitier agro-forestry system for integrated resource conservation on uplands of Eastern Ghats region in India	<i>Agro-forestry Systems</i> DOI: 10.1007/s10457-016-9976-1	7.22	-





S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
316.	Joshi, E., Vyas, A.K., Dass, A. and Shiva Dhar	2016	Nutrient omission effects on yield, water productivity and profitability of maize ( <i>Zea mays</i> )	<i>Indian Journal of Agronomy</i> 61(2): 119-124	5.46	-
317.	Kashiri, H.O. and Kumar, D.	2016	Coating of essential oils onto prilled urea retards its nitrification in soil	<i>Archives of Agronomy and Soil Science</i> <a href="http://dx.doi.org/10.1080/03650340.2016.1185101">http://dx.doi.org/10.1080/03650340.2016.1185101</a>	7.12	1
318.	Krishanan, P., Dass, A., Sharma, R.K. and Kukreja	2016	Web-based crop model InfoCrop-wheat to simulate the growth and yield of wheat	<i>Computers and Electronics in Agriculture in Press</i>	7.89	-
319.	Kumar, A., Choudhary, A.K and Suri, V.K.	2016	Influence of AM fungi, inorganic phosphorus and irrigation regimes on plant water relations and soil physical properties in okra ( <i>Abelmoschus esculentus</i> L.) – pea ( <i>Pisum sativum</i> L.) cropping system in Himalayan acid Alfisol	<i>Journal of Plant Nutrition</i> 39(5): 666-682 DOI: 10.1080/01904167.2015.1087030	6.51	2
320.	Kumar, A., Choudhary, A.K. and Suri, V.K.	2016	Agronomic bio-fortification and quality enhancement in okra-pea cropping system through arbuscular mycorrhizal fungi at varying phosphorus and irrigation regimes in Himalayan acid Alfisol	<i>Journal of Plant Nutrition</i>	6.51	-
321.	Kumar, A., Choudhary, A.K., Suri, V.K. and Rana, K.S.	2016	AM fungi lead to fertilizer phosphorus economy and enhanced system productivity and profitability in okra ( <i>Abelmoschus esculentus</i> ) – pea ( <i>Pisum sativum</i> ) cropping system in Himalayan acid Alfisol	<i>Journal of Plant Nutrition</i> Published online DOI: 10.1080/01904167.2015.1143499	6.51	2
322.	Kumar, B., Guleria, S.K, Khanorkar, S.M., Dubey, R.B., Patel, J., Kumar, V., Parihar, C.M., Jat, S.L., Singh, V., Yathish, K.R., Das, A., Sekhar, J.C., Bhati, P., Kaur, H., Kumar, M., Singh, A.K., Varghese, E. and Yadav, O.P.	2016	Selection indices to identify maize ( <i>Zea mays</i> L.) hybrids adapted under drought stress and normal ecologies in tropical climate	<i>Crop and Pasture Science</i> <a href="http://dx.doi.org/10.1071/CP16141">http://dx.doi.org/10.1071/CP16141</a>	7.48	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
323.	Kumar, M., Kar, A. and Singh, R.	2016	Of high residual sodium carbonate water- degraded soils ameliorations technology in Indian Thar Desert and farmers' response	<i>National Academy Science Letters</i> DOI: 10.1007/s40009-016-0469-6	6.35	-
324.	Kumar, Y., Dhyani, B.P., Kumar, V. and Raj, R.	2016	Influence of fertility levels on nutrient uptake and productivity of rice under puddle and unpuddled conditions	<i>Annals of Agricultural Research</i> 37(2): 147-153	4.01	-
325.	Kumari, E., Upadhyay, P.K., Sen, A., Raha, P., Padmavathi, J., Nagargade, M. and Tyagi, V.	2016	Allelopathic effect of cocklebur extract on the fertility status of soil in transplanted rice by controlling weed	<i>Journal of Pure and Applied Microbiology</i> 10(1): 479-483	6.0	-
326.	Manjunath, M., Kanchan A., Ranjan, K., Venkatachalam, S., Prasanna R., Ramakrishnan, B., Hossain, F., Nain, L., Shivay, Y.S., Rai, A.B. and Singh, B.	2016	Beneficial cyanobacteria and eubacteria synergistically enhance bioavailability of soil nutrients and yield of okra	<i>Heliyon</i> 1-28 DOI: 10.1016/j.heliyon.2016.e00066	-	1
327.	Meena, S.L., Meena, S.S. and Nagar, R.P.	2016	Impact of cropping systems and soil-moisture conservation techniques on fodder productivity under semi-arid environment	<i>Indian Journal of Agronomy</i> 61(1): 89-93	5.46	-
328.	Munda, S., Shivakumar, B.G., Rana, D.S., Gangaiah, B., Manjaiah, K.M., Dass, A., Layak, J. and Lakshman, K.	2016	Inorganic phosphorus along with biofertilizers improves profitability and sustainability in soybean ( <i>Glycine max</i> )-potato ( <i>Solanum tuberosum</i> ) cropping system	<i>Journal of the Saudi Society of Agricultural Sciences</i> DOI: 10.1016/j.jssas.2016.01.008	Not listed	-
329.	Noman, H.M., Rana, D.S. Choudhary, A.K., Rajpoot, S. and Paul, T.	2016	Sulphur and Zn management in groundnut ( <i>Arachis hypogaea</i> )-wheat ( <i>Triticum aestivum</i> ) cropping system: Direct effects on system productivity and residual effects on yield, energetics and Zn biofortification	<i>Indian Journal of Agricultural Sciences</i> 86(4): 441-47	6.17	-
330.	Parihar, C.M., Jat, S.L., Singh, A.K., Majumdar, K., Jat, M.L., Saharawat, Y.S., Pradhan, S. and Kuri, B.R.	2016	Bio-energy, water-use efficiency and economics of maize-wheat-mungbean system under precision-conservation agriculture in semi-arid agro-ecosystem	<i>Energy</i> 2016.12.068 DOI: 10.1016/j.energy	10.84	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
331.	Parihar, C.M., Jat, S.L., Singh, A.K., Kumar, B., Yadvinder-Singh, Pradhan, S., Pooniya, V., Dhauja, A., Chaudhary, V., Jat, M.L., Jat, R.K. and Yadav, O.P.	2016	Conservation agriculture in irrigated intensive maize-based systems of north-western India: Effects on crop yields, water productivity and economic profitability	<i>Field Crops Research</i> 193: 104-116	8.93	4
332.	Parihar, C.M., Yadav, M.R., Jat, S.L., Singh, A.K., Kumar, B., Pradhan S., Chakraborty, D., Jat, M.L., Jat, R.K., Saharawat, Y.S. and Yadav, O.P.	2016	Long term effect of conservation agriculture in maize rotations on total organic carbon, physical. and biological properties of a sandy loam soil in north-western Indo-Gangetic Plains	<i>Soil and Tillage Research</i> 161: 116-128	8.71	1
333.	Paroda, R.S., Prasad, R. and Shivay, Y.S.	2016	Pulses and human health: Need for food and nutritional quality research	<i>Indian Journal of Agronomy</i> 61: S11-S18	5.46	-
334.	Praharaj, C.S., Singh, U., Singh, S.S., Singh, N.P. and Shivay, Y.S.	2016	Supplementary and life-saving irrigation for enhancing pulses production, productivity and water-use efficiency in India	<i>Indian Journal of Agronomy</i> 61: S106-S112	5.46	-
335.	Prasad, D., Rana, D.S., Babu, S., Choudhary, A.K., and Rajpoot, S.	2016	Influence of tillage practices and crop diversification on productivity and soil health in maize ( <i>Zea mays</i> L.)/ Soybean ( <i>Glycine max</i> L.) based cropping systems	<i>Indian Journal of Agricultural Sciences</i> 86(1): 96-102	6.17	-
336.	Prasad, R. Shivay, Y.S. and Kumar, D.	2016	Interactions of Zinc with Other Nutrients in Soils and Plants - A Review	<i>Indian Journal of Fertilisers</i> 12(5): 16-26	3.78	-
337.	Prasad, R., Nene, Y.L., Singh, G. and Shivay, Y.S	2016	Pulses from ancient through present day India	<i>Indian Journal of Agronomy</i> 61: S19-S32	5.46	-
338.	Prasad, R., Shivay, Y.S.	2016	Sulphur in Soil and Plant and Human Nutrition	<i>Proceedings of the National Academy of Sciences, India, Section B: Biological Sciences</i> DOI: 10.1007/s40011-016-0769-0	6.00	-
339.	Prasad, R., Shivay, Y.S. and Chaudhry, S.	2016	Summer mungbean ( <i>Vigna radiata</i> ) for alleviating deficit of pulses in India	<i>Indian Journal of Agronomy</i> 61: S106-S112	5.46	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
340.	Prasad, R., Shivay, Y.S. and Nene, Y.L.	2016	Asia's contribution to the evolution of agriculture: Creativity, history, and mythology	<i>Asian Agri-History</i> 20(4): 233-252		-
341.	Prasad, R., Shivay, Y.S., Majumdar, K. and Prasad, S.	2016	Phosphorus management Editors: Rattan Lal and B.A. Stewart	<i>Advances in Soil Science, Soil Phosphorus</i> 81-113 p	-	-
342.	Prasad, R., Singh, G. Shivay, Y.S. and Pathak, H.	2016	Need for eco-friendly optimum fertilizer nitrogen level for better environment and for alleviating hunger and malnutrition	<i>Indian Journal of Agronomy</i> 61(1): 1-8	5.00	7
343.	Prasanna, R., Kanchan, A., Ramakrishnan, B., Ranjan, K., Venkatachalam, S., Hossain, F., Shivay, Y.S., Krishnan, P. and Nain, L.	2016.	Cyanobacteria-based bioinoculants influence growth and yields by modulating the microbial communities favourably in the rhizospheres of maize hybrids	<i>European Journal of Soil Biology</i> 75: 15-23 DOI: 10.1016/j.ejsobi.2016.04.001	7.72	-
344.	Prasanna, R., Ramakrishnan, B., Ranjan, K., Venkatachalam, S., Kanchan, A., Solanki, P., Monga, D., Shivay, Y.S. and Kranthi, S.	2016	Microbial inoculants with multifaceted traits suppress <i>Rhizoctonia</i> populations and promote plant growth in cotton	<i>Journal of Phytopathology</i> 164: 1030-1042	6.82	-
345.	Raj, R., Kumar, A., Kumar, V., Singh, C.B. and Pandey, U.C.	2016	Herbicide options for controlling weeds in transplanted rice ( <i>Oryza sativa</i> ) under North Eastern Plains Zone	<i>Indian Journal of Agronomy</i> 61(2): 197-203	5.00	-
346.	Raj, R., Yadav, M.P. and Kumar, V.	2016	Productivity and profitability of rice hybrids at different nutrient management levels under semi-arid conditions of North Eastern Plains Zone	<i>Annals of Agricultural Research</i> 37(1): 36-42	3.02	-
347.	Rajanna, G.A., Dhindwal, A.S. and Sriharsha, V.P.	2016	Performance of cluster bean under variable irrigation schedules and crop establishment techniques	<i>Indian Journal of Agronomy</i> 61(2): 223-230	5.0	25
348.	Ranjan, K., Priya, H., Ramakrishnan, B., Prasanna, R., Venkatachalam, S., Thapa, S., Tiwari, R., Nain, L., Singh, R. and Shivay, Y.S.	2016	Cyanobacterial inoculation modifies the rhizosphere microbiome of rice planted to a tropical alluvial soil	<i>Applied Soil Ecology</i> 108: 195-203 <a href="http://dx.doi.org/10.1016/j.apsoil.2016.08.010">http://dx.doi.org/10.1016/j.apsoil.2016.08.010</a>	8.64	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
349.	Saraswat, P.K., Chaudhary, B., Rathore, S.S. and Bhati, A.S.	2016	Gypsum and green manuring influence soil sodicity and mustard productivity under semi arid conditions of Rajasthan	<i>Annals of Agricultural Research</i> 37(1): 91-99	3.6	-
350.	Shahane, A.A. and Shivay, Y.S.	2016	Cereal residues - Not a waste until we waste it: A Review	<i>International Journal of Bio-resource and Stress Management</i> 7(1): 162-173	4.66	-
351.	Sharma, V., Rena, V., Kumar, D., Pandey, R.N. and Singh, B.	2016	Sulfur regulates iron uptake and iron use efficiency in bread and durum wheat	<i>Indian Journal of Plant Physiology</i> DOI: 10.1007/s40502-016-0220-9	5.18	1
352.	Shekhawat, K., Rathore, S.S., Kandpal, B.K., Premi, O.P. and Singh, D.	2016	Enhancing carbon sequestration potential, productivity and sustainability of mustard under conservation agriculture in semi-arid regions of India	<i>Proc. Natl. Acad. Sci., India, Sect. B Biol. Sci.</i> DOI: 10.1007/s40011-016-0747-6	6.0	-
353.	Shekhawat, K., Rathore, S.S., Kandpal, B.K., Premi, O.P., Singh, D. and Chauhan, B.S.	2016	Crop establishment techniques affect productivity, sustainability, and soil health under mustard-based cropping systems of Indian semi-arid regions	<i>Soil &amp; Tillage Research</i> 158: 137-146	8.62	1
354.	Shekhawat, K., Rathore, S.S., Premi, O.P., Kandpal, B.K. and Singh, D.	2016	Sustaining higher mustard productivity through conservation agriculture in semi-arid regions of India	<i>Research on Crops</i> 17(1): 57-62	4.75	-
355.	Shivay, Y.S., Pooniya, V., Prasad, R., Pal, M. and Bansal, R.	2016	Sulfur-coated urea as a source of sulfur and an enhanced efficiency of nitrogen fertilizer for spring wheat	<i>Cereal Research Communications</i> 44(3): 513-523	6.53	-
356.	Shivay, Y.S., Prasad, R., Kaur, R. and Pal, M.	2016	Relative efficiency of zinc sulphate and chelated zinc on zinc biofortification of rice grains and zinc use-efficiency in <i>Basmati</i> rice	<i>Proceedings of the National Academy of Sciences, India, Section B Biological Sciences</i> 86(4): 973-984 DOI: 10.1007/s40011-015-0544-7	6.0	-
357.	Shivay, Y.S., Prasad, R., Pooniya, V., Pal, M. and Bansal, R.	2016	Effect of sulphur fertilization on biofortification of wheat ( <i>Triticum aestivum</i> ) grains with Fe, Zn, Mn and Cu.	<i>Indian Journal of Agricultural Sciences</i> 86(6): 823-4	6.17	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
358.	Shivay, Y.S., Singh, U., Prasad, R. and Kaur, R.	2016	Agronomic interventions for micronutrient biofortification of pulses	<i>Indian Journal of Agronomy</i> 61: S161-S172	5.46	4
359.	Singh, A. and Shivay, Y.S.	2016	Effect of summer green manuring crops and zinc fertilizer sources on productivity, Zn-uptake and economics of <i>Basmati</i> rice	<i>Journal of Plant Nutrition</i> 39(2): 204-218	6.51	2
360.	Singh, V.K., Yadvinder-Singh, Dwivedi, B.S., Singh, S.K., Majumdar, K., Jat, M., Mishra, R.P. and Rani, M.	2016	Soil physical properties, yield trends and economics after five years of conservation agriculture based rice-maize system in north-western India	<i>Soil and Tillage Research</i> 155: 133L-148 (DOI: <a href="http://dx.doi.org/10.1016/j.still.2015.08.001">http://dx.doi.org/10.1016/j.still.2015.08.001</a> )	8.71	4
361.	Subhash Babu, Rana, D.S., Yadav, G.S. and Singh, R.	2016	Influence of sunflower stover and nutrient management on growth, yield and energetic of sunflower ( <i>Helianthus annuus</i> ) in a pigeonpea ( <i>Cajanus cajan</i> )–sunflower cropping system	<i>Indian Journal of Agricultural Sciences</i> 86(3): 315-20	6.17	-
362.	Susan John, K., George, J., Shanida Beegum, S.U. and Shivay, Y.S.	2016	Soil fertility and nutrient management in tropical tuber crops–An overview	<i>Indian Journal of Agronomy</i> 61(3): 263-273	5.46	-
363.	Upadhyay, P.K., Kumari, E., Sen, A., Raha, P., Singh, R.K., Choudhary, S.K., Singh, R.K. and Singh, Y.	2016	Effects of <i>Xanthium strumarium</i> L. extract, anilofos and butachlor on weeds, yield, yield attributes and nutrient uptake of transplanted rice	<i>Bangladesh Journal of Botany</i> 45(1): 227-232	6.30	-
364.	Verma, V.P., Kaur, R., Shivay, Y.S., Dass, A. and Sepat, S.	2016	Effect of nitrogen doses and its time of application on growth and yield <i>Bt</i> cotton ( <i>Gossypium hirsutum</i> )	<i>Indian Journal of Agronomy</i> 61(1): 123-126	5.46	-
365.	Yadav, G.S., Shivay, Y.S., Kumar, D. and Babu, S.	2016	Agronomic evaluation of mulching and iron nutrition on productivity, nutrient uptake, iron use efficiency and economics of aerobic rice-wheat cropping system	<i>Journal of Plant Nutrition</i> 39(1): 116-135 DOI:10.1080/01904167.2015.1084323	6.51	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
366.	Yadav, M.R., Parihar, C.M., Jat, S.L., Singh, A.K., Kumar, D., Pooniya, V., Parihar, M.D., Saveipune, D., Parmar, H. and Jat, M.L.	2016	Effect of long-term tillage and diversified crop rotations on nutrient uptake, profitability and energetic of maize ( <i>Zea mays</i> ) in north-western India	<i>Indian Journal of Agricultural Sciences</i> 86(6): 743-749	6.17	-
367.	Yadav, O.P., Prasanna, B.M., Yadava, P., Jat, S.L., Dhillon, B.S., Solanki, I.S. and Sandhu, J.S.	2016	Doubling maize production and productivity of India by 2025–Challenges and Opportunities	<i>Indian Journal of Agricultural Sciences</i> 86(4): 427-34	6.17	1

## Faculty Profile

### (i) Professors

S. No.	Name	Period
1.	Dr. B.N. Mishra	2006-07
2.	Dr. R.K. Rai	2007-09
3.	Dr. K.S. Rana	2009-10
4.	Dr. A.R. Sharma	2010-12
5.	Dr. K.S. Rana	2012-15
6.	Dr. Y.S. Shivay	2015-till date

### (ii) Heads

S. No.	Name	Period
1.	Dr. I.P.S. Ahlawat	2005-09
2.	Dr. A.K. Vyas	2010-14
3.	Dr. K.S. Rana	2014-15
4.	Dr. V.K. Singh	2015-till date

### (iii) Faculty Members

S. No.	Name of the Faculty	Qualification	Specialization	h-Index	i10-Index
1.	Dr. V.K. Singh	Ph.D.	Cropping system, Farming system and nutrient management	-	-
2.	Dr. Y.S. Shivay	Ph.D.	Soil Fertility and Nutrient Management	21	48
3.	Dr. K.S. Rana	Ph.D.	Dryland agronomy	11	11
4.	Dr. D.S. Rana	Ph.D.	Oilseed agronomy	-	-
5.	Dr. Dinesh Kumar	Ph.D.	Soil fertility management, rice agronomy	-	-



S. No.	Name of the Faculty	Qualification	Specialization	h-Index	i10-Index
6.	Dr. Shiva Dhar	Ph.D.	Nutrient management	6	3
7.	Dr. T.K. Das	Ph.D.	Weed management	11	9
8.	Dr. U.K. Behera	Ph.D.	Farming system, conservation agriculture	12	16
9.	Dr. Raj Singh	Ph.D.	Dryland agronomy, Farming system	-	-
10.	Dr. L.K. Idnani	Ph.D.	Water management	-	-
11.	Dr. A.K. Singh	Ph.D.	Nutrient management, conservation agriculture	8	6
12.	Dr. Amal Ghosh	Ph.D.	Cropping system, aerobic rice	9	8
13.	Dr. S.S. Rathore	Ph.D.	Micro irrigation, mustard agronomy	6	4
14.	Dr. Anchal Dass	Ph.D.	Water management	9	9
15.	Dr. S.L. Meena	Ph.D.	Nutrient and water management	5	4
16.	Dr. Ramanjit Kaur	Ph.D.	Weed and water management, precision farming	2	1
17.	Dr. Anil K. Choudhary	Ph.D.	Resource Management	12	12
18.	Dr. Vijay Pooniya	Ph.D.	Resource Management	4	3
19.	Dr. Seema Sepat	Ph.D.	Conservation agriculture	2	1
20.	Dr. R.S. Bana	Ph.D.	Dryland agronomy, conservation agriculture	4	1
21.	Dr. Kapila Shekhawat	Ph.D.	Agronomy of oilseed crops	4	3
22.	Dr. Rajender Kr.	Ph.D.	Water management	-	-
23.	Mr. Rishi Raj	M.Sc.	Crop establishment and nutrient management	-	-
24.	Dr. C.M. Parihar	Ph.D.	Cropping system agronomist-Conservation agriculture in cereal based cropping systems	8	4
25.	Dr. S.L. Jat	Ph.D.	Cropping system agronomist-Conservation agriculture in cereal based cropping systems	7	2





# Environmental Sciences

S. Naresh Kumar and S.D. Singh

## Students Awarded Degree

S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
<b>Ph.D. Students</b>					
1	2007	Manish Singh	Development of village information system for land use planning and agricultural productivity assessment	Dr. Naveen Kalra	-
2	2007	Neel Kamal	Assessment of Impact of Continuous Irrigation with Sewage on Agricultural Soils in Keshopur Area of NCT of Delhi	Dr. Navindu Gupta	-
3	2008	V. Venkata Ramanan	Differential effect of increase in night versus day temperature on growth, yield and quality of rice and wheat	Dr. S.D. Singh	-
4	2008	Boomiraj	Assessing the vulnerability of mustard to climate change	Dr. R. Choudhary	-
5	2009	Manish Kumar	Effect of elevated temperature on growth productivity and quality of important pulse and oilseed crops	Dr. S.D. Singh	-
6	2009	Kianoush Suzanchi	Characterizing Land Use Cover Change for Assessing its Impact on Agricultural Production in National Capital Region of India	Dr. Ravinder Kaur	-
7	2010	Manju Zacharias	Impact of increasing climatic risks at different phenological stages on rice and wheat yields	Dr. S.D. Singh	-
8	2010	Soman Acharya	Bioprospecting extremophiles for cellulose production	Dr. Anita Chaudhary	-
9	2010	Rupa Rani	Ecological assessment of jatropha curcus and castor plants under diverse abiotic stresses	Dr. S.D. Singh	-
10	2011	Dhanya M.S.	Ethenol Production from corn, stover by modified pretreatment technology	Dr. H.C. Joshi	-
11	2011	Thomas Anish Johnson	A Study on adsorption of lead, cadmium and chromium from aqueous solutions using fruit and seed coat of jatropha	Dr. H.C. Joshi	-
12	2011	Namita Rani Das	Risk assessment of climate change variable on bacterial pathogenesis of soft rot in tomato plant	Dr. Anita Chaudhary	-



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
13	2012	Satyavan Singh	Assessing the impact of tropospheric ozone and elevated carbon dioxide on yield and quality of indian mustard	Dr. Arti Bhatia	-
14	2012	Amrita Daripa	Effect of tropospheric ozone on growth and yield of wheat and its amelioration using natural protectants	Dr. Arti Bhatia	-
15	2012	Anita Meena	Spatial characterization of contaminated soils and water & their impact on the quality and safety of agricultural produce: A regional case study at village level	Dr. Ravinder Kaur	-
16	2015	Dipak Kumar Gupta	Greenhouse gas emission from rice-wheat cropping system in Indo Gangetic Plain (IGP) of India and options for low carbon agriculture	Dr. Arti Bhatia	-
17	2015	Sweta Kachhap	CO <sub>2</sub> fertilization effect on growth, yield and quality of Indian mustard ( <i>Brassica juncea</i> L. Czern & Coss) under varying nitrogen and water regimes	Dr. S.D. Singh	-
18	2015	Sheetal K. Radhakrishnan	Mode of heavy metal contamination and their effects and partitioning in vegetable crops	Dr. S.D. Singh	-
19	2015	Pingale Bhanudas Narayan	Quantitative and qualitative response of rice and maize crops to elevated carbon dioxide under varying nitrogen levels	Dr. S.D. Singh	-
20	2016	Fayaz Ahmad Malla	Methane enrichment in biogas using selective chemical scavengers and microalgae	Dr. Navindu Gupta	-
21	2016	Rachana Dubey	Adaptation options for alleviating terminal heat stress in wheat	Dr. H. Pathak	-
<b>M.Sc. Students</b>					
1	2007	Dhanya M.S.	Biogas and Manurial Potentiality of Jatropha Fruit Coat Admixed with Cattle dung	Dr. Navindu Gupta	IARI Gold Medal
2	2007	Subodh K. Sasmal	Nitrous oxide emission under conventional and zero tillage in wheat and its mitigation using nitrification inhibitors	Dr. Arti Bhatia	-
3	2007	Namita Rani Das	Risk Assessment of Bt cotton on soil microbial functional diversity	Dr. A. Chaudhary	-
4	2008	Rosin K.G.	Vulnerability of Faridabad block ground waters to contaminated surface irrigation water application	Dr. R.Kaur	-
5	2008	Ayan Ghosh	Ozone mediated changes in methane and nitrous oxide emissions from rice soil	Dr. Arti Bhatia	Pradeep Memorial Award



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
6	2008	Satyavan Singh	Assessment of global warming associated climatic risks in maize	Dr. R. Choudhary	-
7	2009	Amrita Daripa	Green house gas emission from kharif maize field evaluated and simulation analysis	Dr. Arti Bhatia	Pradeep Memorial Award
8	2009	Sushovit Das	Potential of Jatropha Curcus plantation for carbon sequestration and soil fertility improvement	Dr. Niveta Jain	-
9	2010	Deepak Gupta	Quality and economic assessment of treated effluent of selected industrial pocket of NCT of Delhi for agricultural use	Dr. Navindu Gupta	-
10	2010	Rachna Debey	Methane and nitrous oxide emission with system of rice intensification in basmati and non-basmati cultivars	Dr. Niveta Jain	-
11	2010	Vipul Kumar	Biogas potentiality of castor oil seed cake and manurial characteristics of the obtained biogas spent sludge	Dr. Navindu Gupta	-
12	2011	Ram Kishore Fogadia	Impact of climate related multiple stresses on maize and groundnut	Dr. S. Naresh Kumar	-
13	2011	Sweta Kachhap	Response of functional bacteria to elevated temperature in groundnut	Dr. Anita Chaudhary	-
14	2011	Gaurav Dhir	Technology for economic evaluation of experimental (Sub-surface flow) wetlands for treating domestic wastewaters of IARI	Dr. Ravinder Kaur	-
15	2011	Saubhagya Ranjan Panda	Impact of industrial effluent irrigation on soil health and crop productivity in daurala block of U.P.	Dr. D.K. Sharma	-
16	2011	Dinesh Kumar	Nitrous oxide emission from different soils of India	Dr. Niveta Jain	-
17	2012	Fayaz Ahmad Malla	Micro algae mediated remediation of municipal wastewater for their agricultural use	Dr. S.A. Khan	-
18	2012	Shweta Amrita Lakara	Impact of climate related multiple stresses on soyabean	Dr. S. Naresh Kumar	-
19	2012	Paritosh Kumar	Impact of wetland treated sewage Water application on soil health & agricultural produce from experimental sewage plot site of IARI	Dr. Ravinder Kaur	-
20	2012	Nishant Kumar	Heavy metal contamination in vegetables marketed in Delhi	Dr. D.K. Sharma	-
21	2012	Sheetal K. Radhakrishnan	Ethanol production potential of rice straw	Dr. Shiv Prasad	-
22	2013	Sandeep Kumar	Hydrogen production potential of wheat straw	Dr. Shiv Prasad	-



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
23	2013	Gulshan Kumar Sharma	Phycoremediation of sewage wastewater using selective algae for manure production	Dr. S.A. Khan	-
24	2014	Amita Raj	Yield and nutrient uptake in rice with elevated temperature and carbon dioxide	Dr. H. Pathak	-
25	2014	Aniket Kumar Singh	Green house gas emission and mitigation from potato	Dr. Niveta Jain	-
26	2014	Lal Chand Malav	Effect of biogas slurry on yield and nutritional quality of baby corn	Dr. S.A. Khan	IARI Gold Medal
27	2014	Mahesh Kumar Malav	Quantification of furfural 5-Hydroxymethyl furfural (HMF) and its effect on ethanol production from wheat straw	Dr. Shiv Prasad	-
28	2014	Kaje Varun Vishwasrao	Eco-physiological evaluation of pigeonpea [ <i>Cajanus cajan</i> (L.) Millspaugh] - green gram [ <i>Vigna radiata</i> (L.) Wilczek] inter-cropping system under rainfed condition	Dr. D.K. Sharma	-
29	2015	Vijay Kumar	Ammonia volatilization in wheat under different temperature regimes	Dr. Renu Singh	-
30	2015	Prakash Kumar Jha	Simulating water stress effects in soybean for water management	Dr. S. Naresh Kumar	Student of the year award, AIASU-ICAR
30	2015	Ram Kumar	Effect of elevated temperature and carbon dioxide on tolerance potential of Maize to maydis leaf blight disease	Dr. Usha Mina	ICAR-SRF topper UGC fellowship
31	2015	Maya Prajapati	Emission of air pollutants from burning of rice and wheat crop residues	Dr. Niveta Jain	-
32	2016	Sumit Kumar Dey	Impact of elevated CO <sub>2</sub> and cyanobacterial inoculation on growth, yield and nitrogen fixation in legumes under different doses of phosphorus	Dr. Bidisha Chakrabarti	IARI merit medal Tapan Memorial Award
33	2016	Ranjeet K. Chaurasiya	Stabilisation of lead (Pb) in contaminated soil using organic and inorganic amendments	Dr. Manoj Srivastava	-
34	2016	Jayantha Thokdhar	Simulating growth and development of Indian spinach using a dynamic model	Dr. S. Naresh Kumar	-
35	2016	Pawan Kumar Loni	Quantification of ammonia volatilization losses from rice under different temperature regimes	Dr. Renu Singh	-
36	2016	T.K. Chandrashekara	Growth and yield response of rice to the deposition of particulate matter	Dr. Usha Mina	-



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
37	2016	Soumen Bhar	Yield and phosphorus status in soil and plant with elevated carbon dioxide and different phosphorus levels in transplanted and direct-seeded rice	Dr. Bidisha Chakarabarti	-

### Foreign Students Awarded Degree

S. No.	Year	Name of the Foreign Student	Thesis Title	Chairperson	Country
<b>Ph.D. Students</b>					
1	2008	Kianoush Suzanchi	Characterizing land use cover change for assessing its impact on agricultural production in national capital region of India	Dr. R. Kaur	Iran
2	2013	Ahmad Mahmoud	Ecological analysis of jatropha forestry system under different population densities	Dr. S.D. Singh	Syrian
3	2015	Abebe Aschalew Lakew	Productivity, soil fertility and microbial diversity in a maize-wheat cropping system with elevated carbon dioxide and temperature	Dr. H. Pathak	Ethiopia
<b>M.Sc. Students</b>					
1	2016	Ranti Yusuf Ogunshakin	Quantification of heavy metal extraction by castor ( <i>Ricinus communis</i> L.) and cotton ( <i>Gossypium hirsutum</i> L.) from soil	Dr. S.D Singh	Nigeria
2	2016	Shahabuden Khwahany	N <sub>2</sub> O emission in wheat integrated use of biogas slurry and fertilizers	Dr. S.A. Khan	Afghanistan

### Training Courses/Winter/Summer School/Workshop Organized

S. No.	Year	Title of Training Programme	Number of Trainees	Name(s) of the Course Director and Co-ordinators
1	2008	Indo-US project and planning workshop on Sustainable Water Resource Management sponsored by Indo-US project	15	Dr. Ravinder Kaur
2	2008	Climate Change, Crop Yield and Sustainability	30	S.D. Singh and Anita Chaudhary
3	2008	Winter School on Climate Change, Crop yield and Sustainability sponsored by ICAR, New Delhi	25	Dr. S.D. Singh
4	2008	Annual workshop on Quantification of threshold for safe utilization of distillery effluents in agriculture in different agro-climatic regions sponsored by CPCB, Ministry of Environment and Forest	20	Dr. H.C. Joshi
5	2009	Using InfoCrop for climate change assessment sponsored by ICAR	25	Dr. P.K. Aggarwal



S. No.	Year	Title of Training Programme	Number of Trainees	Name(s) of the Course Director and Co-ordinators
6	2012	Management of emerging environment problem for enhancing agriculture productivity	20	Bhatia A., Jain N., Prasad S. and Singh R.
7	2012	Model training course on developing understanding on the role of environment resources in determining agriculture productivity	25	A. Bhatia, N. Jain, R. Singh, S. Prasad
8	2012	Model training course on “Developing understanding on the role of environment resources in determining Agriculture productivity”, sponsored by Directorate of Extension, GoI	20	Usha Mina, Bidisha Chkrabarti, Dinesh Kumar Sharma
9	2013	8 day model training course on “Technologies for Conservation of Environmental Resources” sponsored by Directorate of Extension, GoI,	20	Usha Mina, Acchelal Yadav, Renu Singh
10	2013	Eddy covariance System, and Soil CO <sub>2</sub> Flux	36	N. Jain
11	2013	Eddy Covariance measurements during	25	N. Jain
12	2013	Technologies for Conservation of Environmental Resources	20	Mina U., Singh R., Yadav A.
13	2014	Development of greenhouse gas emission inventory and carbon budget for Indian Agriculture	40	N. Jain, Arti Bhatia
14	2014	Natural Resource management for sustainable agriculture	20	Renu Singh, Usha Mina
15	2014	Natural Resources Management for Sustainable Agriculture	20	Singh R., Mina U.
16	2015	Greenhouse gas emission from Agriculture	36	N. Jain, Arti Bhatia
17	2015	Workshop on Integrated Modelling	25	S. Naresh Kumar
18	2016	DST’s Knowledge Network on Climate Change and Agriculture	125	H. Pathak, N. Jain
19	2016	<i>Reactive Nitrogen Assessment in South Asia</i> : workshop organized by Indian Nitrogen Group (ING-SCON) and South Asian Nitrogen Centre	25	H. Pathak, M. Sutton
20	2016	Indo-UK Newton-Bhabha Virtual Centre on Nitrogen Efficiency of Whole-cropping Systems (NEWS India-UK) for improved performance and resilience in agriculture, by UK- and SCON	25	Dr. H. Pathak, Dr. M. Sutton
21	2016	Impact of Ozone and other pollutants on crops	25	Dr. Kamna Sachdeva Assistant Professor, TERI University (Course Director) Dr. Usha Mina (Coordinator for IARI )
22	2016	Workshop on Integrated Modelling	25	Dr. S. Naresh Kumar



## Training Received by the Faculty Members

### (i) Within the Country

S. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
1.	2007	Dr. Ravinder Kaur	SWAT (Soil-Water Assessment Tool)/ADAPT(Agricultural Drainage and Pesticide Transport Modelling for Integrated Water Resource Management	11 days	IIT New Delhi
2.	2007	Dr. Niveta Jain	Remote sensing application in agri. With reference to CGMS		IARI
3.	2007	Dr. Renu Singh	Renewable energy sources through biofuels crops	21 days	Deptt of Agronomy, TNAU, Coimbatore
4.	2007	Dr. Renu Singh	Bioprocessing technologies in utilization of agricultural residues for production of enzymes and biofuels	21 days	CIPHET, Ludhiana
5.	2007	Dr. Shakeel Ahmed Khan	Remote sensing and GIS application in agriculture soils	52 days	IIRS-Dehradun
6.	2008	Dr. Renu Singh	Biochemical and molecular biology advanced techniques	21 days	Division of Biochemistry, IARI, New Delhi
7.	2008	Dr. Omvir Singh	Remote Sensing and GIS Applications in Water Resources	54 days	IIRS-Dehradun
8.	2008	Dr. D.K. Sharma	Winter School on Climate Change, Crop Yield and Sustainability	21 days	IARI, New Delhi by ICAR, New Delhi
9.	2008	Dr. Renu Singh	Biochemical and molecular biology advanced techniques	21 days	IARI-New Delhi
10.	2009	Dr. Bidisha Chakarbarti	EDUSAT based training in Remote Sensing, GIS & GPS	80 days	IIRS, Dehradun
11.	2009	Dr. Usha Meena	Winter School on Application of ionizing and non-ionizing energy in agriculture	21 days	NRL, IARI, New Delhi
12.	2009	Dr. Renu Singh	EDUSAT based training in Remote Sensing, GIS & GPS	80 days	IIRS, Dehradun
13.	2009	Dr. S. Ahmed Khan	Biosecurity & Biosafety: Policies, procedure and issues	21 days	NNRS, DOS ICAR, New Delhi
14.	2009	Dr. Shiv Prasad	Winter school on Bioprospecting for microorganism with agriculturally important traits using polyphas approaches	21 days	IARI, New Delhi
15.	2009	Dr. Shiv Prasad	Bio-prospecting for micro-organism with agriculturally important traits using polyphasic approaches	21 days	Microbiology Division, IARI
16.	2009	B. Chakarbarti	EDUSAT based training on "Remotesensing, GIS, GPS"	80 days	Indian Institute of Remote Sensing, NRSA, Dehradun, Uttarakhand



S. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
17.	2010	B. Chakrabarti	“Data Analysis using SAS”	6 days	IASRI, New Delhi
18.	2010	Dr. Renu Singh	Data analysis with SAS, of the NAIP Consortium Strengthening statistical computing for NARS	6 days	Indian Agricultural Statistics Research Institute, New Delhi
19.	2010	Anita Chaudhary	Faculty Upgradation by PG School	3 months	Imtech, Chandigarh
20.	2011	Dr. Renu Singh	RS & GIS Applications to Agriculture and soils	54 days	Indian Institute of Remote Sensing (NRSC), Dehradun
21.	2011	Dr. Renu Singh	Digital Photographic application in Science	5 days	Central Photo Lab, Division of Agricultural extension, IARI, New Delhi
22.	2011	Dr. Renu Singh	Fermentation technology	14 days	National Agricultural Innovation Project (ICAR), PHT, IARI, New Delhi
23.	2011	Dr. Namita Das Saha	International training workshop on Ecosystem approach to disaster risk reduction	4 days	NIDM, New Delhi
24.	2011	B. Chakrabarti	Winter school on “Remote sensing applications in agriculture with special emphasis on enhancing input use efficiency”	21 days	Div. of Ag. Physics, IARI, New Delhi
25.	2011	B. Chakrabarti	Training on “Quantifying the impact of climate change on agriculture”	5 days	NCAP, New Delhi,
26.	2013	S. Naresh Kumar	Ecosystem Disaster Risk Reduction’ Training programme at from	5 days	NIDM, New Delhi
27.	2014	Dr. Namita Das Saha	Foundation Course for Agricultural Research service	3 months	NAARM, Hyderabad
28.	2014	Dr. Namita Das Saha	Professional Attachment Training	3 months	NBPGR, New Delhi
29.	2015	Dr. Shiv Prasad	National programme for training of Scientist and Technologist on Agrobiodiversity conservation	5 days	MS Swaminathan Research Foundation
30.	2016-17	Dr. Anita Chaudhary	HRD of the Institute	6 months	IMTECH
31.	2016	Dr. Namita Das Saha	Recent Innovations in Management of Organic Production Systems	21 days	IARI, New Delhi
32.	2016	Dr. Renu Singh	Role of scientists in Natural Resources and Environment Management	5 days	DST at IIFM, Bhopal





## (ii) Outside the Country

S. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
1.	2009	Dr. S. Naresh Kumar	Workshop on 'Downscaling and Linking to Applications'	5 days	Zekerman Climate Research Unit, University of East Anglia, Norwich, UK
2.	2012	Dr. S. Naresh Kumar	Seasonal weather forecasts linked pre-harvest estimates of crop production: Methodo-logical approaches	3 days	International Water Management Institute, Colombo, Sri Lanka

## Awards Conferred on the Faculty Members

S. No.	Year	Name of the Faculty Member	Name of Award Received	Institution which Gave the Award
1.	2007	Dr. P.K. Aggarwal	ICAR National Professor Member, IPCC team conferred with Nobel Peace Prize, 2007	ICAR
2.	2007	Dr. P.K. Aggarwal Dr. M.C. Jain	Prime Minister of India Dr. Manmohan Sing conferred Certificates to them for their contribution to inter Governmental Panel on Climate Change which was awarded Nobel Peace Prize for the year 2007	Prime Minister Office
3.	2007	Dr. D.K. Sharma	First Prize in Hindi Poetry writing and recitation, essay and Ashuchitra	IARI, New Delhi
4.	2008	Dr. D.K. Sharma	First Prize in Hindi essay writing, Second prize in debate	IARI, New Delhi
5.	2009	Dr. P.K. Aggarwal	Ernesto Illy Trieste Science Prize by the Italy based Academy of Science	Third World Academy of Science, Italy
6.	2009	Dr. Anita Chaudhary	International Professor (Indo-US Professorship in Microbiology)	American Society of Microbiology
7.	2009	Dr. R. Kaur	Fulbright Fellowship United States India Education Foundation	University of Florida
8.	2009	Dr. S.D. Singh	Best Teacher Award	IARI, New Delhi
9.	2009	Dr. S. Naresh Kumar	Best Research Paper Award in Indian Journal of Horticulture award 2009	Horticultural Society of India
10.	2010	Dr. Renu Singh	Best paper presentation	Department of Physics, Osmania University, Hyderabad, India
11.	2011	Dr. Renu Singh	Young Scientist Award (Second)	SVPUAT, Meerut
12.	2011	Dr. Renu Singh	Young Fellow Award (Environmental Sciences)	Society for Recent Development in Agriculture
13.	2011	Usha Mina	2 <sup>nd</sup> prize in institute level Extempore Speech competition during Hindi week organized in IARI in 2011	IARI
14.	2011	Dr. S. Naresh Kumar	Fellow of Indian Society for Plant Physiology	Indian Society for Plant Physiology



S. No.	Year	Name of the Faculty Member	Name of Award Received	Institution which Gave the Award
15.	2012	Dr. S. Naresh Kumar	Fellow of Indian Society for Plantation Crops	Indian Society for Plantation Crops
16.	2012	Dr. H. Pathak	SK Mukherjee Memorial Lecture Award, Indian Society of Soil Science	Indian Society of Soil Science
17.	2012	Dr. Shiv Prasad	Best Paper Award	Amity University, Noida
18.	2013	Dr. Shiv Prasad	Arya Bhatt Award	New Delhi
19.	2013	S. Prasad, Navindu Gupta and S.D. Singh	Arya Bhatt Award. 3rd National Conference on Innovation in Indian Science, Engineering & Technology	
20.	2013	Dr. D.K. Sharma	First Prize in power point presentation on climate change and Indian Agriculture in Hindi organized by IARI	IARI, New Delhi
21.	2013	Dr. D.K. Sharma	IARI 3rd Prize for Hindi popular science article, Young Scientist Award from Samaj Vikas Sansthan	IARI, New Delhi
22.	2013	Dr. S. Naresh Kumar	JC Bose Gold medal by Indian Society for Plant Physiology	Indian Society for Plant Physiology
23.	2013	Dr. H. Pathak	Elected as Fellow of West Bengal Academy for Science and Technology (FWAST)	
24.	2013	Dr. Renu Singh	Third prize in Shabdgyan competition	IARI Hindi Saptah
25.	2013	Usha Mina	Won 1st prize in institute level Extempore Speech competition during Hindi week organized in IARI in 2013	IARI
26.	2014	Dr. Renu Singh	Best Paper Presentation Award	National Conference on Sustainable Energy Development and Environment Systems
27.	2014	Dr. Renu Singh	Best Poster Presentation Award	Jawaharlal Nehru University
28.	2014	Dr. Shiv Prasad	Dr. Rajendra Prasad Puruskar	ICAR Award Ceremony at Patna
29.	2014	Dr. H. Pathak	Fellow, Indian National Science Academy (FNA) DARE/ICAR's Coordinator for climate negotiations in the UNFCCC Editor-in-Chief, Current Advances in Agricultural Sciences, Kanpur	New Delhi
30.	2015	Dr. Renu Singh	Best Paper Award	Royal University of Bhutan, Thimphu, Bhutan
31.	2015	Dr. Renu Singh	Appreciation Award	New Delhi
32.	2015	Dr. Niveta Jain	ICAR- Dr Rajendra Prasad Puruskar for technical book in Hindi for 2014	ICAR, New Delhi
33.	2016	Dr. Niveta Jain	SCON Recognition Award For Outstanding Contribution in Environmental Science	Society for Conservation of Nature (SCON), New Delhi
34.	2016	Dr. Renu Singh	NEWS UK Project Fellowship	University of Aberdeen UK



S. No.	Year	Name of the Faculty Member	Name of Award Received	Institution which Gave the Award
35.	2016	Dr. Namita Das Saha	SERB Indo-US Post Doctoral Fellowship	Indo US Science and Technology Forum (IUSTF)
36.	2016	Dr. Arti Bhatia	SCON Recognition Award For Outstanding Contribution in Environmental Science	Society for Conservation of Nature (SCON), New Delhi

### Faculty Participation in International Conference/Seminar/Assignments

S. No.	Year	Name of the Faculty Member	Name of International Conference/Seminar/Assignments	Duration	Place Visited
1.	2007	Dr. Ravinder Kaur	4 <sup>th</sup> International crop science congress	6 Days	
2.	2007	S.D. Singh	International summit on climate change organized by the CMS VATAVARAN	Sept. 13	Gulmohar Hall, India Habitat Center, New Delhi
3.	2007	Dr. P.K. Aggarwal	Participated in UNPCC workshop on adaptation planning and practices	Sept. 10-12	-
4.	2008	Dr. P.K. Aggarwal	Expert meeting of agrl. production and climate change division	Mar. 3-7	Rome, Italy
5.	2008	Dr. P.K. Aggarwal	AAPARI/JIRCAS sponsored sympos. on Global Climate Change for Asia-pacific	Oct. 21-22	Tsukuba, Japan
6.	2008	Dr. P.K. Aggarwal	Regional symposium on Climate change, sea level rise & envt. in SA	Aug. 25-29	Dhaka, Bangladesh
7.	2008	Dr. Rajendra Choudhary	Planning workshop for challenge programme on "Climate change, agriculture and food security	Jan. 23-25	ILRI, Ethiopia
8.	2008	Dr. Rajendra Choudhary	International conference "Food security and environmental change"	April 2-4	Oxford University, U.K.
9.	2009	Dr. P.K. Aggarwal	CGIAR meeting on agricultural research priorities	June 16-17	Netherland
10.	2009	Dr. P.K. Aggarwal	IPCC meeting on climatic risks	March 23-26	Norway
11.	2009	Dr. S. Naresh Kumar	UKIERI workshop on downscaling and linking to application at Zekerman Climate Change Unit, University of East Anglia	Jan. 26-30	Norwich, U.K.
12.	2009	Dr. S. Naresh Kumar	Asia Modelling Meeting at NIAES		Tsukuba, Japan
13.	2009	Dr. Renu Singh	International Congress of Asian Planning Schools Association	Nov. 24-26	Ahmedabad
14.	2010	Dr. Renu Singh	Evaluation of inhibition effects of hydrolysis by-products on fermentation of rice straw for ethanol production, International Conference on Applications of Renewable and Sustainable Energy for Industry and Society	Dec. 16-18	Hyderabad, India



S. No.	Year	Name of the Faculty Member	Name of International Conference/ Seminar/ Assignments	Duration	Place Visited
15.	2010	Dr. S. Naresh Kumar	Workshop on 'The impacts of El Nino Southern Oscillation (ENSO) events on cereal production, area and yield'	2 Days	Science and Education for Agriculture and Development, Los Banos, Laguna, Philippines
16.	2010	Dr. S. Naresh Kumar	Agricultural model inter-comparison and improvement - AgMIP	3 Days	Lon Beach, California, USA
17.	2011	Dr. Shiv Prasad	4 <sup>th</sup> International Congress of Environmental Research	Dec. 15-17	Surat (India)
18.	2011	Dr. S. Naresh Kumar	Agricultural model inter-comparison and improvement - AgMIP' workshop	3 Days	San Antonio, Texas, USA
19.	2012	Dr. Renu Singh	International conference on Renewable energy	May 5-6	Himachal Pradesh
20.	2012	Dr. Renu Singh	International Conference on Current trends and issues on Renewable Energy	March 29-30	Nalgonda, AP
21.	2012	Dr. H. Pathak	Climate change negotiations in UNFCCC	30 Aug. to 5 Sept.	Thailand
22.	2012	Dr. H. Pathak	IPCC 5 <sup>th</sup> Assessment Report	Nov. 5-9	Spain
23.	2012	Dr. H. Pathak	Climate change negotiations in UNFCCC	Dec. 1-7	Qatar
24.	2012	Dr. S. Naresh Kumar	Workshop on Agricultural model inter-comparison and improvement - AgMIP	Oct. 10-12	FAO, Rome, Italy
25.	2012	Dr. S. Naresh Kumar	Regional Consultation on Improving Wheat Productivity in Asia	April 26-27, 2012	Bangkok, Thailand
26.	2013	Dr. H. Pathak	Review Workshop of an ACIAR Project in 2013 Bangladesh	March 12-16	Bangladesh
27.	2013	Dr. Renu Singh	2 <sup>nd</sup> International conference on Agriculture, food technologies and environment- new approaches	Oct. 19-20	New Delhi
28.	2013	Dr. H. Pathak	United Nation's Climate Change Negotiations, Warsaw	Nov. 11-22	Poland
29.	2013	Dr. S. Naresh Kumar	Modelling wheat response to high temperature at CIMMYT, El Batan	June 19-21	Mexico
30.	2013	Dr. Arti Bhatia	Eddy covariance measurements	15 Sept. to 14 Dec.	USA
31.	2013	Dr. Arti Bhatia	Institutions and Policies for scaling-out climate smart agriculture, and prioritization tools for adaptation planning at the IWMI, Colombo	Dec. 2-5	Sri Lanka
32.	2013	Dr. Niveta Jain	BRICS Seminar on Agriculture and Climate Change	Oct. 23-25	South Africa



S. No.	Year	Name of the Faculty Member	Name of International Conference/ Seminar/ Assignments	Duration	Place Visited
33.	2013	Dr. SK Badyopadhyay	Climate change modeling	17 April - 24 May	USA
34.	2013	Shakeel Ahmad Khan	India Water Forum (International Water Convention)	Oct. 28-30, 2013	TERI, New Delhi, INDIA
35.	2013	Dr. S. Naresh Kumar	Institutions and Policies for scaling-out climate smart agriculture, and prioritization tools for adaptation planning'	Dec. 2-5, 2013	CCAFS-IWMI Colombo, Sri Lanka
36.	2014	Dr. N. Jain	International conference on "Harnessing natural Resources for Sustainable Development- Global Trends	3 Days	Guwahati, Assam
37.	2014	Dr. Arti Bhatia	Workshop on "Model inter comparison for agricultural greenhouse gas emissions"	March 17-21	France
38.	2014	Dr. S. Naresh Kumar	Workshop on Modeling Wheat under Changing Environment: Model Intercomparison and Improvement	June 24-26, 2014	INRA (National Institute of Research on Agronomy) in Clermont-Ferrand, France
39.	2014	H. Pathak	United Nation's Climate Change Negotiations, Warsaw	Dec. 7-12	Lima
40.	2014	S. Naresh Kumar	Workshop on 'Climate Change Agriculture and Food Security: Opportunities for Regional Collaboration' on Ho Chi Minh City	Nov. 19-21	Vietnam
41.	2014	Dr. Namita Das Saha	International Conference on "Agriculture, Forestry, Horticulture, Aquaculture, Animal Science, food Technology, Biodiversity and climate change sustainable approaches- AFHABC	2 Days	JNU, New Delhi
42.	2014	Shakeel Ahmad Khan	3rd International Conference and Exhibition and IPHE National Convention on Environmental Engineering	March 12-14	Chennai
43.	2015	S. Naresh Kumar	International workshop 'Climate Change, Food Security, and Agricultural Development: Linked Regional and Global Assessments'	Sept. 13-18, 2015	Aspen, Colorado, USA
44.	2015	Dr. Renu Singh	International conference on "Extension research interface-promoting exporting rice varieties and evolving sustainable development mode	Oct. 16-18	IARI, New Delhi



S. No.	Year	Name of the Faculty Member	Name of International Conference/ Seminar/ Assignments	Duration	Place Visited
45.	2015	Usha mina	Young Researchers South Asia Symposium on Sustainable Development” on the sidelines of Delhi Sustainable development summit	1 Day	TERI, New Delhi
46.	2016	Dr. N. Jain	International Workshop on Reactive Nitrogen Assessment in South Asia organized in the NASC Complex during 26-27 February, 2016	2 Days	Delhi
47.	2016	Dr. Renu Singh	3rd International Plant Physiology Congress	Dec. 11-14	JNU New Delhi
48.	2016	Dr. Renu Singh	Attended workshop of Indo-UK Newton-Bhabha Virtual Centre on Nitrogen Efficiency of Whole-cropping Systems (NEWS India-UK) for improved performance and resilience in agriculture	Feb. 28-29, 2016	NASC Complex, New Delhi
49.	2016	Dr. Renu Singh	4th international conference on Recent innovations in Science, Engineering and management	March 20	New Delhi
50.	2016	Dr. Namita Das Saha	6 <sup>th</sup> International conference on Plant, Pathogens and people	5 Days	NASC, New Delhi

### Faculty Awards and Recognition

S. No.	Year	Name of the Faculty Member	Name of the Organisation/ Society Conferring Award/ Recognition	Nature/Description of Award/ Recognition
1.	2010	Dr. Navindu Gupta	Janhit Society (NGO)	First Prize in best contribution in solid waste management Prize conferred by Dr. APJ Abdul Kalam
2.	2011	Dr. S. Naresh Kumar	Ministry of Environment and Forests	Member, INCCA; Expert consultant for National Communication for agriculture sector to UNFCCC (NATCOM II)
3.	2011	Dr. S. Naresh Kumar	Agricultural Model Inter comparison and Improvement	Member, Global Group of Agricultural Modellers 2011 onwards
4.	2011	Dr. H. Pathak	MoEFCC, Ministry of Agriculture, New Delhi	Consultant to international negotiations on climate change 2011 onwards
5.	2012	Dr. Niveta Jain	MoEFCC, New Delhi	Expert consultant for National Communication for agriculture sector to UNFCCC under BUR and TNC, NATCOM III, MoEFCC, New Delhi
6.	2013	Dr. Niveta Jain	Ministry of Agriculture and ICAR	Member, Indian delegation to South Africa, for BRICS seminar on Agriculture and Climate Change



S. No.	Year	Name of the Faculty Member	Name of the Organisation/ Society Conferring Award/ Recognition	Nature/Description of Award/ Recognition
7.	2013	Anita Chaudhary	Global Innovation and Technology Alliance Platform GITA	Key Note speaker on Microbes and Technology for the future
8.	2014	Dr. S. Naresh Kumar	Ministry of Environment and Forests	Government Expert Reviewer for IPCC AR 5 WG II report
9.	2014	Anita Chaudhary	UNFCCC and MOEF	Recognized as an Expert for reviewing Final Draft of the summary for the policy makers (SPM) of the WGII Climate Change 2014: Impacts, Adaptation and Vulnerability (IPCC)
10.	2014	Anita Chaudhary	CPCB	Recognized as an Expert for the Peer and Core Expert Committee to evolve standards for effluent and emission, ambient, air and water quality
11.	2015	Dr. Niveta Jain	Association for the Advancement of Biodiversity Science Karnatak University Dharwad	Fellow of Association for the Advancement of Biodiversity Science (Environment)
12.	2015	Dr. S. Naresh Kumar	Ministry of Environment and Forests	Expert consultant for National Communication for agriculture sector to UNFCCC (NATCOM III) 2015 onwards
13.	2016	Dr. Navindu Gupta	CSIR	Expert panel Member
14.	2016	Dr. Niveta Jain	Society for Conservation of Nature (SCON), New Delhi	SCON Recognition Award For Outstanding Contribution in Environmental Science
15.	2016	Dr. Namita Das Saha	SERB Indo-US Post Doctoral Fellowship	Post Doctoral Fellowship for 6 months at Michigan State University (MSU), US
16.	2016-17	Dr. Shiv Prasad	Treasurer, Society for Conservation of Nature (SCON) New Delhi	
17.	2016	Dr. S. Naresh Kumar	Global wheat initiative	Member, Expert Group on Modelling 2016 onwards
18.	2016	Dr. Usha Mina	National Commission for Protection of Child Rights (NCPCR), GoI, at Jaipur	Resource person for regional consultations of north zones of India on New Education Policy

### List of Publications Faculty and Students

S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
1.	S. Prasad, A. Singh and H.C. Joshi	2007	Ethanol as an alternative fuel from agricultural, industrial and urban residues	<i>Resources, Conservation and Recycling</i> 50(1): 1-39	8.56	422



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
2.	S. Prasad, A. Singh, N. Jain and H.C. Joshi	2007	Ethanol production from sweet sorghum syrup for utilization as automotive fuel in India	<i>American Chemical Society, Energy and Fuels</i> 21(4): 2415-2420	8.79	206
3.	S.A. Khan, M.Z. Hussain, S. Prasad and U.C. Banerjee	2009	Prospects of biodiesel production from microalgae in India	<i>Renewable and Sustainable Energy Reviews</i> 13(9): 2361-2372	11.90	356
4.	S. Prasad, Lata and H. Pathak	2009	Selection of efficient <i>Saccharomyces cerevisiae</i> strain for ethanol production from sorghum stalk juice	<i>Curr. Adv. J. Agric. Sci.</i> 1: 70-72	3.96	3
5.	Das, N., Chaudhary, A., Choudhary, R. and Joshi, H.C.	2009	Detection, persistence of Bt toxin in the decomposition study of Bt leaves in laboratory study	<i>Journal of Environmental research and Development</i> 3(3): 1-7	-	-
6.	Dhanya M.S., Navindu Gupta, H.C. Joshi and Lata	2009	Biogas potentiality of agro-wastes jatropha fruit coat	<i>International Journal of Civil and Environmental Engineering</i> 1:3: 136-140	-	20
7.	Neel Kamal, Navindu Gupta and Lata	2010	Impact of Long Term sewage use on Microbiological Properties of Delhi Region	<i>Environmental &amp; Ecology</i> 28 2B 1368-1372	-	-
8.	Neel Kamal, Navindu Gupta and H.C. Joshi	2010	Impact of use of sewage irrigation on heavy metal accumulation in agricultural field of Keshopur area of NCT of Delhi	<i>Environmental &amp; Ecology</i> 28(1B): 629-634	-	-
9.	Arti Bhatia, S. Sasmal, N. Jain, R. Kumar and A. Singh	2010	Mitigating nitrous oxide emission from soil under conventional and no-tillage in wheat using nitrification inhibitors	<i>Agric. Ecosyst. Environ.</i> DOI: 10.1016/j.agee.2010.01.004	-	-
10.	T.A. Johnson, N. Jain, H. C. Joshi and S. Prasad	2008	Agricultural and agro-processing wastes as low cost adsorbents for metal removal from wastewater	<i>J. Sci. Ind. Res.</i> 67: 647-658	-	-
11.	Saleh Arekhi and Ravinder Kaur	2007	Evaluating long-term annual sediment yield estimating potential of GIS interfaced MUSLE model on two micro-watersheds	<i>Journal of Soil &amp; Water Conservation</i> , 6(4): 162-167	-	-
12.	Ebrayi K.N., Pathak H., Kalra N., Bhatia A. and Jain N.	2007	Simulation of Nitrogen Dynamics in Soil Using Infocrop Model	<i>Environ. Monit. Assess.</i> 131: 451-465	7.63	8





S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
13.	Saha, P., Das, N.R., Deb, P. and Suresh, C.P.	2009	Effect of NAA and GA3 on Yield and Quality of Tomato ( <i>Lycopersicon esculentum</i> Mill)	<i>Environment and Ecology</i> 27(3): 1048-1098	4.09	-
14.	Saha, P., Das, N.R. and Choudhuri, P.	2009	Boron and Molybdenum Nutrition in Garlic ( <i>Allium sativum</i> L.) for Yield and Quality under Terai Region of West Bengal	<i>Environment and Ecology</i> 27(3A): 1401-1404	4.09	-
15.	Das, N.R., Chaudhary, A., Aggarwal, P.K. and Choudhry, R. and Joshi, H.C.	2009	Detection and persistence of Bt toxin in decomposition study of Bt leaves of transgenic cotton	<i>J. of Environmental Research and Development</i> 3(3): 859-866	7.1	-
16.	Usha Mina, Abhai Pratap Singh and C.K. Varshney	2009	Response of radish ( <i>Raphanus sativus</i> ) plants at different growth phases stages to ozone exposure	<i>Journal of Tropical Agriculture</i> 47(1-2): 53-57	-	-
17.	Usha Mina and S.C. Dubey	2009	Effect of environmental variable on development of Fusarium wilt in chickpea ( <i>Cicer arietinum</i> ) cultivars	<i>Indian Journal of Agricultural Sciences</i> 80(3): 231-234	-	-
18.	Usha Mina, Pranav Kumar and C.K. Varshney	2010	Response of different growth stages of Potato ( <i>Solanum tuberosum</i> ) to ozone stress.	<i>Phyton.</i> 49(2): 253-266	-	-
19.	Saha, P., Das, N.R. and Chatterjee, R.	2010	Boron and molybdenum nutrition in sprouting broccoli under terai region of West Bengal	<i>The Asian Journal of Horticulture</i> 5(2): 353-355	2.55	-
20.	Bhatia A., Pathak H., Aggarwal P.K. and Jain N.	2010	Trade-off between productivity enhancement and global warming potential of rice and wheat in India	<i>Nutr. Cycling Agroecosys</i> 86: 413-424	7.49	13
21.	Bhatia A., Sasmal S., Jain N., Pathak H., Kumar R. and Singh A.	2010	Mitigating nitrous oxide emission from soil under conventional and no-tillage in wheat using nitrification inhibitors	<i>Agriculture Ecosystems &amp; Environment</i> 136(3): 247-253	9.56	68
22.	Pathak H., Jain N., Bhatia A., Patel J. and Aggarwal P.K.	2010	Carbon footprints of Indian food items	<i>Agriculture Ecosystems &amp; Environment</i> 139(1): 66-73	9.56	72
23.	Saha, P., Chatterjee, R. Das, N.R. and Mukhopadhyay, D.	2010	Response of sprouting broccoli to foliar application of boron and molybdenum under terai region of West Bengal	<i>Indian Journal of Horticulture</i> 67: 214-217	6.13	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
24.	Manju, Z., Singh, S.D., Naresh Kumar, S., Harit, R.C. and Aggarwal, P.K.	2010	Impact of elevated temperature at different phenological stages on growth and yield of wheat and rice	<i>Ind. J. Plant Physiol.</i> 15(4): NS 350-358	4.66	-
25.	Das, N.R. and Chaudhary, A.	2011	Detection and Quantification of Bt Toxin in Transgenic (Bt) cotton Rhizospheric Soil of Northern India	<i>Environment and Ecology</i> 29(2): 600-602	4.09	-
26.	Usha Mina, Anita Choudhary and Anju Kamra	2011	Effect of transgenic <i>Bacillus thuringiensis</i> cotton on enzymes and microbial communities of its rhizosphere	<i>Journal of Agriculture Sciences</i> 3(1): 97-104	-	-
27.	Acharya, S. and Chaudhary, A.	2011	Effect of nutritional and environmental factor on cellulase activity by thermophilic bacteria isolated from hot spring	<i>J. CSIR</i> 70(2): 142-148	6.8	-
28.	Johnson, T.A., Singh, S.D., Mishra, S. and Kalpana, S.	2011	Effect of elevated temperature and low radiation on growth and yield of basmati rice ( <i>Oryza sativa</i> )	<i>Indian J. Pl. Physiol.</i> 16: 147-154	4.66	-
29.	Kumar, Manish and Singh, S.D.	2011	Impact of elevated temperature on growth and yield of mustard	<i>CSIR Journal</i> 19(2): 194-196	5.4	-
30.	Acharya, S. and Chaudhary, A.	2011	Alkaline cellulose produced by a newly isolated thermophilic bacteria WBS2 from hot spring of India	<i>African J. Micr. Res.</i> 6(1) DOI: 10.5897/AJMR	7.0	-
31.	S. Prasad, M.S. Dhanya	2011	Determination and detoxification of cyanide content in sorghum for ethanol production using <i>Saccharomyces cerevisiae</i> strain	<i>Journal of Metabolomics and Systems Biology</i> 2(1): 10-14	7.67	5
32.	Chakrabarti, B., Singh, S.D., Nagarajan, S. and Aggarwal P.K.	2011	Impact of temperature on phenology and pollen sterility of wheat varieties	<i>Australian Journal of Crop Science</i> 5(8): 1039-1043	-	28
33.	Gupta D.K., Gupta N., Prasad S., Khan S.A. and Singh Y.V.	2012	Quality Assessment of Treated Effluent of Mayapuri CETP for Agricultural Use	<i>Int. J. Agric. Env. Biotech.</i> 5(3): 207-214	3	-
34.	Singh, S., Zacharias, M., Kalpana, S. and Mishra, S.	2012	Heavy metal accumulation and distribution pattern in different vegetable crops	<i>J. Env. Chem. Ecotox.</i> 4(3) DOI: 10.5897/JECE11.076	6.5	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
35.	Dhanya S. Prasad and H.C. Joshi	2012	Impact of pretreatment on cellulose crystallinity of corn stover	<i>Pusa Agrisci.</i> 34: 8-16	3.2	-
36.	Pathak H., Tewari A.N., Sankhyan S., Dubey D.S., Mina U., Singh V.K., Jain N. and Bhatia A.	2012	Direct-seeded rice: Potential, performance and problems – A review	<i>Current Advances in Agricultural Sciences</i> 3(2): 77-88	7.92	19
37.	Bhatia A., Aggarwal P.K., Jain N. and Pathak H.	2012	Greenhouse gas emission from rice and wheat-growing areas in India: spatial analysis and upscaling	<i>Greenhouse Gas Sci. Technol.</i> 2: 115-125	7.92	9
38.	Bhatia A., Pathak H., Jain N., Singh P.K. and Tomer R.	2012	Greenhouse gas mitigation in rice-wheat system with leaf color chart-based urea application	<i>Environ. Monit. Assess.</i> 184: 3095-3107	7.63	20
39.	S. Prasad, M.S. Dhanya, N. Gupta and A. Kumar	2012	Biofuels from biomass: a sustainable alternative to energy and environment	<i>Biochem. Cell Arch.</i> 12: 255-260	3.77	6
40.	Usha Mina and Anita Choudhary	2012	Impact of Transgenic Cotton Varieties on Activity of Enzymes in their Rhizosphere	<i>Indian Journal of Biochemistry and Biophysics</i> 49: 195-201	-	-
41.	Usha Mina, H. Pathak, D.K. Sharma	2012	Environmental Impact of pesticides usage during vegetables cultivation	<i>International Journal of Environment Engineering and Management</i> 3(3): 369-372	-	-
42.	Usha Mina, Arti Bhatia and S.C. Dubey	2012	Impact of ozone and carbondioxide on wilt disease development in chickpea	<i>International Journal of Environment Engineering and Management</i> 3(3): 373-376	-	-
43.	Chakrabarti, B., Singh, S.D., Kumar, S.N., Aggarwal, P.K., Pathak, H. and Nagarajan, S.	2012	Low-cost facility for assessing impact of carbon dioxide on crops	<i>Current Science</i> 1035-1040	6.97	2
44.	Chakrabarti B., Mina U., Sharma D.K., Kumar S.N. and Gupta S.K.	2012	Economic valuation of soil nutrients in agroforestry system	<i>J. Env. Eng. and Mgmt.</i> 3(1): 85-87	-	-
45.	Usha Mina, Arti Bhatia, Bidisha Chakrabarti, R.C. Harit and Uttam Kumar	2012	Impact of ozone and carbon dioxide on growth and development of <i>Chilo Partellus</i> (maize stalk borer)	<i>Journal of Entomological Research</i> 36(4): 363-366	-	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
46.	Pathak H., Sankhyan S., Dubey D.S., Bhatia A. and Jain N.	2013	Dry direct-seeding of rice for mitigating GHG emission: field experimentation and simulation	<i>Paddy and Water Environment</i> 11: 593-601 DOI: 10.1007/s10333-012-0352-0	6.87	16
47.	Chakrabarti B., Singh, S.D., Kumar, V., Harit, R.C. and Misra, S.	2013	Growth and yield response of wheat and chickpea crops under high temperature	<i>Indian J. Pl. Physiol.</i> 18(1): 7-14	5.18	-
48.	Bhatia A., Kumar A., Das T.K., Singh J., Jain N. and Pathak H.	2013	Methane and Nitrous oxide emission from soils under direct seeded rice	<i>Int. J. Agricult. Stat. Sci.</i> 9(2): 729-736	6.0	2
49.	S. Prasad, A. Kumar and K.S. Muralikrishna	2013	Assessment of ethanol yields associated character in sorghum biomass	<i>Maydica</i> 58: 299-303	6.53	-
50.	G.K. Sharma, Shakeel Ahmad Khan, F.A. Malla and N. Gupta	2014	Nutrient sequestration and phycoremediation of sewage wastewater by selective microalgae	<i>Green Farming</i> 5: 623-626	4.79	-
51.	S. Prasad, A. Kumar and K.S. Muralikrishna	2014	Biofuels production: a sustainable solution to combat climate change	<i>Indian Journal of Agricultural Sciences</i> 84(12): 1443-1452	6.14	-
52.	Daripa A., Bhatia A., Tomer R., Singh S.D., Jain N. and Pathak H.	2014	Nitrous oxide and carbon dioxide emission from maize ( <i>Zea mays</i> L.) under fertiliser application and elevated carbon dioxide in northwest India	<i>Experimental Agriculture</i> 50(04): 625-643	6.97	1
53.	Jain N., Dubey R., Dubey D.S., Singh J., Khanna M., Pathak H. and Bhatia A.	2014	Mitigation of greenhouse gas emission with system of rice intensification in the Indo-Gangetic Plains	<i>Paddy and Water Environment</i> 12(3): 355-363	6.87	19
54.	Jain N., Bhatia A. and Pathak H.	2014	Emission of air pollutants from crop residue burning in India	<i>Aerosol and Air Quality Research</i> 14(1): 422-430	8.39	40
55.	Das, N. and Chaudhary, A.	2014	Effect of elevated temperature and CO <sub>2</sub> on Quorum sensing mediated virulence in soft rot causing <i>Pectobacterium carotovorum</i> pv.	<i>Indian Journal Horticulture</i> 71(2): 227-231	6.13	-
56.	Chakrabarti B., Pramanik P., Mina U., Sharma D.K. and Mittal R.	2014	Impact of conservation agricultural practices on soil physic-chemical properties	<i>International Journal on Agricultural Sciences</i> 5(1): 55-59	-	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
57.	Chakrabarti B., Singh R., Bhatia A., Singh S.D. and Singh B.	2014	Impact of aerial deposition emitted from thermal power plant on growth and yield of rice and wheat crop	<i>Ind. J. Ag. Sci.</i> 84(5): 602-606	6.17	1
58.	Manju Zacharias, S. Naresh Kumar, S.D. Singh, D.N. Swaroopa Rani and P.K. Aggarwal	2014	Assessment of impacts of climate change on rice and wheat in the Indo-Gangetic plains	<i>Journal of Agrometeorology</i> 16(1): 9-17	6.15	-
59.	Epimaque Nsanzabaganwa, Tapas K. Das, Dhian S. Rana and S. Naresh Kumar	2014	Nitrogen and phosphorus effects on winter maize in an irrigated agroecosystem in western Indo-Gangetic plains of India	<i>Maydica.</i> 59: 152-160	6.53	-
60.	Manju Zacharias, S. Naresh Kumar, S.D. Singh, D.N. Swaroopa Rani and P.K. Aggarwal	2015	Evaluation of a regional climate model for impact assessment of climate change on crop productivity in the tropics	<i>Current Science</i> 108(6): 1119-1126	6.93	-
61.	Lal Chand Malav, Shakeel Ahmad Khan*, Navindu Gupta, Sandeep Kumar Ranjan Bhattacharyya and Mahesh K. Malav	2015	Influence of Biogas Slurry and Urea on Soil Properties	<i>Journal of Agricultural Physics</i> 15(1): 55-62	3.79	-
62.	Saha, N.D., A. Chaudhary, S.D. Singh, D. Singh, S. Walia and T.K. Das	2015	Plant pathogenic microbial communication affected by elevated temperature in <i>Pectobacterium carotovorum</i> subsp.	<i>Current Microbiology</i> CMB-15-03-0237	7.43	-
63.	Fayaz A. Malla, Shakeel A. Khan, Rashmi, Gulshan K. Sharma, Navindu Gupta and G. Abraham	2015	Phycoremediation potential of <i>Chlorella minutissima</i> on primary and tertiary treated wastewater for nutrient removal and biodiesel production	<i>Ecological Engineering</i> 343-349	9.03	5
64.	Pathak H., Jain N. and Bhatia A.	2015	Enhancing resilience of Indian agriculture to climate change	<i>Indian J. Fert.</i> 11(4): 102	3.78	-
65.	Gupta D.K., Bhatia A., Kumar A., Chakrabarti B., Jain N. and Pathak H.	2015	Global warming potential of rice ( <i>Oryza sativa</i> )-wheat ( <i>Triticum aestivum</i> ) cropping system of the Indo-Gangetic Plains	<i>Indian Journal of Agricultural Sciences</i> 85(6): 807-16	6.18	3
66.	Jain N., Johnson T.A., Kumar A., Mishra S.V. and Gupta N.	2015	Biosorption of Cd (II) on <i>Jatropha</i> Fruit Coat And Seed Coat	<i>Environ. Mont. Assess.</i> 187: 411	7.63	3



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
67.	Sheetal, K.R., Singh, S. Prasad, S., Mina, U., Datta, S.P. and Anand A.	2015	Physiological and Biochemical response of different vegetables to chromium	<i>Biochem. Cell. Arch.</i> 15(2): 421-425	3.77	-
68.	Shweta, A.L. and S. Naresh Kumar	2015	Quantification of soybean response to short-term climatic sequential stresses	<i>Res J. Agril. Sci.</i> 6(6): 1204-1208	3.51	-
69.	Shweta, A.L., S. Naresh Kumar and S. D Singh	2016	Effect of sowing time and supplemental irrigation on biomass accumulation and yield in three varieties of green gram	<i>Green Farming</i> 7(6): 1427-1430	4.79	-
70.	K.R. Sheetal, S.D. Singh, A. Anand and S. Prasad	2016	Heavy metal accumulation and effects on growth, biomass, and physiological processes in mustard	<i>Indian Journal of Plant Physiology</i> 21: 219-223	4.66	-
71.	Gupta D.K., Bhatia A., Das T.K., Singh P., Kumar A., Jain N. and Pathak H.	2016	Economic analysis of different greenhouse gas mitigation technologies in rice wheat cropping system of the Indo-Gangetic Plains	<i>Current Science</i> 110(5): 867	6.93	1
72.	Gupta D.K., Bhatia A., Kumar A., Das T.K., Jain N., Tomer R. and Malyan S.K.	2016	Mitigation of greenhouse gas emission from rice-wheat system of the Indo-Gangetic plains: through tillage, irrigation and fertilizer management	<i>Agriculture, Ecosystems and Environment</i> 230: 1	9.56	1
73.	Malyan S.K., Bhatia A., Kumar A., Gupta D.K., Singh R., Kumar S.S., Tomer R., Kumar O. and Jain N.	2016	Methane production, oxidation and mitigation: A mechanistic understanding and comprehensive evaluation of influencing factors	<i>Science of The Total Environment</i> 572: 874-896	10.1	1
74.	Jain N, Arora P, Tomer R., Mishra S.V., Bhatia A., Pathak H., Chakraborty D., Kumar V., Dubey D.S., Harit R.C. and Singh J.P.	2016	Greenhouse gases emission from soils under major crops in northwest India	<i>Science of the Total Environment</i> 542: 551-561	10.1	5

## Faculty Profile

### (i) Professors

S. No.	Name	Period
1	Dr. H.C. Joshi	2001-2008
2	Dr. S.D. Singh	2008-2013
3.	Dr. H. Pathak	2013-2016
4.	Dr. S. Naresh Kumar	2016 cont.



### (ii) Heads

S. No.	Name	Period
1.	Dr. R. Choudhary	2007-2008
2.	Dr. H.C. Joshi	2008-2011
3.	Dr. R.K. Rattan	2012-2013
4.	Dr. S.D. Singh	2013 cont.

### (iii) Faculty Members

S. No.	Name of the Faculty	Qualification	Specialization	h-Index	i10-Index
1.	Dr. P.K. Aggarwal	Ph.D.	Ecological modeling	39	100
2.	Dr. H.C. Joshi	Ph.D.	Pollution management and biofuel	-	-
3.	Dr. S.D. Singh	Ph.D.	Production ecology, pollution biology	-	-
4.	Dr. Anita Chaudhary	Ph.D, MBA	Environmental microbiology and biotechnology	13	15
5.	Dr. Ravinder Kaur	Ph.D.	Watershed modeling, EIA, Decision support system	9	9
6.	Dr. Himansu Pathak	Ph.D.	Crop modeling, Soil fertility	42	104
7.	Dr. Navindu Gupta	Ph.D.	Organic Chemistry	8	8
8.	Dr. S. Naresh Kumar	Ph.D.	Ecological modeling	13	18
9.	Dr. Shiv Prasad	Ph.D.	Specialization Environmental Science	9	9
10.	Dr. Arti Bhatia	Ph.D.	GHG monitoring and mitigation and air pollution	19	30
11.	Dr. D.K. Sharma	Ph.D.	Ecology, biofuel	-	-
12.	Dr. Niveta Jain	Ph.D.	Greenhouse gas emission monitoring mitigation and adaptation to climate change	17	24
13.	Dr. Shakeel Ahmed Khan	Ph.D.	Pollution, environmental impact assessment	6	3
14.	Dr. Bidisha Chakarbarti	Ph.D.	Environmental Sciences	7	7
15.	Dr. P.S. Datta	Ph.D.	Hydrology	-	-
16.	Dr. Omvir Singh	Ph.D.	Crop Geography	6	5
17.	Dr. Usha Meena	Ph.D.	Environmental Impact assessment and Plant ecology	6	2
18.	Dr. Renu Singh	Ph.D.	Biofuel, Air Pollution	8	7
19.	Dr. S.K. Bandyopadhyay	Ph.D.	System Agronomy & Crop Simulation		
20.	Dr. Manoj Shrivastava	Ph.D.	Soil Science, Biogeochemistry, Bioremediation	8	4
21.	Dr. Namita Das Saha	Ph.D.	Environmental Microbiology and Climate Change	2	-
22.	Dr. Pragati Pramanik Maity	Ph.D.	Soil Physics	-	-



# Microbiology

Sunil Pabbi and Surender Singh

## Students Awarded Degree

S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
<b>Ph.D. Students</b>					
1.	2007	Srinivasan R.	Exploitation of <i>Arthrobacter</i> gene pool for isolating gene coding for hyperactive choline oxidase	A.K. Saxena	-
2.	2008	Nirbhay Kumar Singh	Genetic relationships in <i>Spirulina</i> and related genera	Dolly Wattal Dhar	-
3.	2008	V. Govindasamy	Isolation and characterization of I-Aminocyclo-propane I-Carboxylic acid (ACC) Deaminase gene	K. Annapurna	-
4.	2008	V. Vasudevan	Study of pyrene bioremediation by white rot fungi	Lata	-
5.	2008	Surender Singh	Cellulase production from agro-residues	Livleen Shukla	-
6.	2009	V. Mageshwaran	Structure and biological activity of an antimicrobial metabolite from a soybean bacterial endophyte	K. Annapurna	-
7.	2009	Atul Singha	Diversity of cyanobacteria in organic farming field under rice-wheat cropping system	Sunil Pabbi	-
8.	2009	Chitra N.	Cloning, sequencing and characterization of gene(s) coding for biocidal property from <i>Calothrix elenkinii</i>	Radha Prasanna	-
9.	2010	Manjunath, M.	Characterization of indole acetic acid biosynthesis in selected plant growth promoting rhizobacteria of wheat	Radha Prasanna	-
10.	2010	Jeevanandan K.	The potential of hydrogen production in cyanobacteria	Dolly Wattal Dhar	-
11.	2010	Jyoti Kumar Thakur	Studies on biodegradation of selected Azo Dye	Sangeeta Paul	-
12.	2011	Upendra Kumar	Functional and genetic characterization of plant growth promoting rhizobacteria (PGPR) from basmati rice	K. Annapurna	-
13.	2012	Ashokraj J.	Alginate biopolymer production by selected bacterial strains	Sangeeta Paul	-
14.	2012	Hillool Chakdar	Isolation, purification and regulation of c-phycoyanin from cyanobacterial species	Sunil Pabbi	IARI Merit Medal





S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
15.	2012	Triveni Sodimalla	Biofilmed biofertilizers for disease and nutrient management in cotton	A.K. Saxena	-
16.	2013	Kumar M.	Bacterial diversity of thermal springs and mining of gene(s) for high temperature tolerance	A.K. Saxena	-
17.	2013	K. Pandiyan	Evaluation of carrot grass ( <i>Parthenium</i> sp.) for ethanol production	Lata	-
18.	2013	Chethankumar G.	Studies on Production Potential of Astaxanthin by <i>Haematococcus pluviialis</i>	Dolly Wattal Dhar	-
19.	2013	Sangeeta Pandey	Cultural and metagenomic approaches for isolation of genes encoding enzymes involved in hydrolysis of cellulose	A.K. Saxena	-
20.	2014	Arjun Singh	Molecular and functional diversity of the bacteria associated with earthworm gut	Lata	-
21.	2014	Ramanand Bhakar	Studies on lipids in microalga <i>Spirulina</i>	Sunil Pabbi	-
22.	2015	Saritha M.	Development of cellulase preparation for saccharification of lignocellulosic biomass	Lata	IARI Best Student of the Year
23.	2015	Bandeppa G.S.	Characterization and Evaluation of osmotolerant rhizobacteria for alleviation of water deficit stress in mustard	Sangeeta Paul	-
24.	2015	Dnyaneshwar N. Borase	Adaptive mechanisms in cyanobacteria from acidic soils	Dolly Wattal Dhar	-
25.	2016	Ajinath Sridhar Dukare	Biocontrol of <i>Fusarium udum</i> by chitinolytic bacteria in pigeonpea	Sangeeta Paul	-
26.	2016	Krishnashis Das	<i>Rhizobium</i> based formulations for biocontrol of soil borne fungal pathogens of chickpea	A.K. Saxena	-
27.	2016	Dolamani Amat	Microbial production of xylooligosaccharides	Livleen Shukla	-
28.	2016	Devendra Singh	Enhancement of uptake and translocation of micronutrients in wheat by using endophytes	Rajiv Kaushik	-
<b>M.Sc. Students</b>					
1.	2007	Upendra Kumar	Functional and genetic diversity of antibiotic producing fluorescent Pseudomonads in endo and rhizosphere of rapeseed mustard	K. Annapurna	-
2.	2007	Jyoti Kumar Thakur	Utilization of aromatic hydrocarbons by <i>Azotobacter chroococcum</i>	Sangeeta Paul	-
3.	2007	Manjunath M.	Evaluation of fungicidal properties of <i>Calothrix elekenii</i> extracts against damping off disease caused by <i>Pythium aphanidermatum</i> in vegetables	Radha Prasanna	-



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
4.	2008	Kaushelendra Kumar	Isolation and characterization of pyrene degrading bacterial strains from contaminated soil	Lata	-
5.	2008	Ramanand Bhakar	Studies on PHB (Poly-β-hydroxy butyrate) accumulation in cyanobacteria	Sunil Pabbi	-
6.	2008	Chethan Kumar, G.	Bioamelioration of Cadmium toxicity by arbuscular mycorrhizal fungus and <i>Pseudomonas striata</i>	Geeta Singh	-
7.	2009	Hilloi Chakdar	Phylogenetic analysis of <i>Nostoc</i> strains using RAPD	Sunil Pabbi	IARI Merit Medal
8.	2009	Arjun Singh	Pyrene degradation by biosurfactant producing bacterial strain	Lata	-
9.	2009	Dyaneshwar Namdev Borase	Morpho-physiological and molecular characterization of cyanobacteria from aquatic bodies	Dolly Wattal Dhar	-
10.	2010	Dukare Ajinath Shridhar	Evaluation of disease suppressiveness of microbe amended compost(s) against soil borne pathogens of tomato	Radha Prasanna	-
11.	2010	Vikas Sharma	To study the prevalence of <i>acdS</i> gene in rhizobia of tropical legumes	K. Annapurna	-
12.	2010	Anil Kr. Bairwa	Assessment of potassium solubilizing bacteria on growth and yield of potato ( <i>Solanum tuberosum</i> )	Geeta Singh	-
13.	2011	Krishnashis Das	Evaluation and characterization of Cyanobacteria for plant growth promoting activity	Sunil Pabbi	-
14.	2011	Saritha M.	Microbial Treatment of lignocellulosic substrate for enhanced enzymatic digestibility	Anju Arora	IARI Merit Medal
15.	2011	Bagul Samadhan Yuvraj	Evaluation and optimization of cultural conditions for maximum Lipid content in microbial Biomass	Dolly Wattal Dhar	-
16.	2011	Srinivas Yalla	Interactive influence of Potassium bioleaching bacteria and endosymbiotic fungus on potato	Geeta Singh	-
17.	2011	Bandeppa G.S.	Characterization and evaluation of salt tolerance bacteria for alleviation of salt stress in maize	Sangeeta Paul	-
18.	2012	Dolamani Amat	Bioprospecting of <i>Xanthomonas axonopodis</i> pv. <i>punicae</i> strains for production of cellulases and xylanase involved in saccharification	Anju Arora	-
19.	2012	Kiran Kumar Reddy	Analysis of bacterial community diversity in selected acidic soils	K. Annapurna	-
20.	2012	Vasana Ram	Physiological and molecular studies of cyanobacteria from Rann of Kutch	G. Abraham	-



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
21.	2012	Momocha Ngangkham	Biochemical engineering of <i>Chlorella sorokiniana</i> for enhanced lipid accumulation	Radha Prasanna	-
22.	2012	Manjunath R.	Studies on xanthan gum producing <i>Xanthomonas</i> spp.	Livleen Shukla	-
23.	2013	Jairam Choudhary	Production of xylanase from <i>Aspergillus</i> strain and its impact on enzymatic sugar recovery from paddy straw	Anju Arora	-
24.	2013	Y.P. Reddy	Evaluation of cyanobacteria for mycoaporine like aminoacids	G. Abraham	-
25.	2013	Devendra Singh	Exopolysaccharide producing rhizobacteria and their role in moisture stress alleviation	Geeta Singh	-
26.	2013	Dharmendra Kumar	Characterizing pentachlorophenol bio-transforming bacteria from effluent irrigated soil	Rajeev Kaushik	-
27.	2014	Vijaya Rani	Role of $\beta$ -glucosidase in enzymatic saccharification of lignocellulosic biomass	Anju Arora	IARI Merit Medals
28.	2014	Himani Priya	Microbiome of rice as influenced by cyanobacterial inoculation	Radha Prasanna	-
29.	2014	Hemant S. Maheshwari	Effect of acid tolerant bacteria for alleviation of aluminium toxicity in rice	Geeta Singh	-
30.	2014	Manjunatha B.S.	Diversity of osmotolerant endophytic bacteria in pearl millet	Sangeeta Paul	-
31.	2014	Arambam Asha Devi	Role of supplemental calcium in relation to salinity tolerance in <i>Anabaena</i> sp. CCC 441	G. Abraham	-
32.	2014	Patience Maaldu	Production of Polyhydroxybutyrate (PHB) by Halophilic Microorganisms	Rajeev Kaushik	-
33.	2015	Shweta Priya	Process optimization for efficient ethanol production from biologically pretreated paddy straw	Lata	-
34.	2015	Marag Premsing Shivsing	Characterization of beneficial endophytic bacteria associated with maize plant and their potential role	Archna Suman	-
35.	2015	Aman Jaiswal	Development of Liquid BGA Biofertilizer Preparation	Sunil Pabbi	-
36.	2015	Satish Naik S.K.	Studies on soybean ( <i>Glycine max</i> L.) genotypes- Rhizobia interactions	K. Annapurna	-
37.	2016	Ajay Kumar	Nanoparticle assisted saccharification for bioethanol production	Surender Singh	-
38.	2016	Swati Sagar	Molecular analysis of ammonia-oxidising microorganisms in rice microbiome	B. Ramakrishnan	-
39.	2016	Shekhar Kumar	Fungal mediated solubilization of rock phosphate using agro-industrial residues	Sunita Gaind	-



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
40.	2016	Deepak Kumar Koli	Identification, characterization and evaluation of nodule associated bacteria from chickpea	K. Swarnalakshmi	-

### Foreign Students Awarded Degree

S. No.	Year	Name of the Student	M.Sc. Thesis Title	Chairperson	Country
1.	2014	Patience Maaldu	Production of polyhydroxybutyrate (PHB) by halophilic microorganisms	Rajeev Kaushik	Ghana

### Training Courses/Winter/Summer/Workshop Organized

S. No.	Year	Title of Training Programme	Number of Trainees	Name(s) of the Course Director and Co-ordinators
1.	2008	Entrepreneurship Development Programme on Biofertilizers	25	Sunil Pabbi
2.	2008	Training on "BGA and <i>Azolla</i> biofertilizer"	19	Sunil Pabbi D.W. Dhar
3.	2008	Training on "Production and use of BGA and <i>Azolla</i> biofertilizers"	43	Sunil Pabbi
4.	2009	<i>Rhizobium</i> Biofertilizer Technology for Sustainable Agriculture	07	K. Annapurna
5.	2009	Winter School on "Biodiversity analysis and efficiency assessment techniques for agriculturally important microorganisms"	22	D.W. Dhar Sangeeta Paul
6.	2009	SAARC training on " <i>Rhizobium</i> biofertilizer technology for sustainable agriculture"	07	K. Annapurna D.W. Dhar
7.	2009	Training on "Blue green algae"	21	Sunil Pabbi G. Abraham
8.	2009	Entrepreneurship development programme on BGA biofertilizer technology	14	Sunil Pabbi P. Kumar
9.	2009	Short term training on "Microbes mediated crop residue management and their utilization for sustainable crop production"	12	Lata Livleen Shukla
10.	2009	Brain storming session on 'New Generation Biofuels' organized by National Academy of Agricultural Sciences, ICAR	26	DW Dhar Sunil Pabbi
11.	2009	Winter School on "Bioprospecting for microorganisms with agriculturally important traits using polyphasic approaches"	25	Lata Radha Prasanna
12.	2009	Training on "Microbe mediated crop residue management and their utilization for sustainable crop production"	15	Lata Livleen Shukla Surender Singh
13.	2010	Entrepreneurship development program on Biofertilizers	5	A.K. Saxena Surender Singh
14.	2010	Production, use and popularisation of BGA Biofertilizers' for farmers at village Chirawata, Palwal, Haryana	53	Sunil Pabbi



S. No.	Year	Title of Training Programme	Number of Trainees	Name(s) of the Course Director and Co-ordinators
15.	2010	Training to Ms Lauren Beth Stadler, Swarthmore College, Pennsylvania, USA on 'Exploring applications of waste grown algae' under Fulbright- Nehru Grant for nine months	1	D.W. Dhar
16.	2010	Training on "BGA: Applications in agriculture and industry"	23	D.W. Dhar Sunil Pabbi
17.	2010	Training on blue green algae	24	Sunil Pabbi
18.	2011	Blue green algae and <i>Azolla</i> biofertilizers: Production technology' for farm women at village Ujina, Distt. Mewat, Haryana	58	Sunil Pabbi
19.	2012	International Conference "Biotechnology: A rendezvous with basic sciences for global prosperity" (BTBS, 2012) organized by Society for Plant Research at NASC, ICAR (3 days)	200	D.W. Dhar Sunil Pabbi
20.	2012	Entrepreneurship development program on bio-fertilizers and compost inoculants	4	A.K. Saxena Surender Singh
21.	2013	Entrepreneurship development program on biofertilizers	5	A.K. Saxena Surender Singh Neeru Bhooshan
22.	2014	Indo-German Workshop on "Microbial ecology and application of inoculants in bio-control"	32	K. Annapurna Kornelia Smalla
23.	2016	Learning & working with MOODLE to develop on-line courses	21	K. Annapurna Sunil Pabbi Surender Singh V. Govindasamy

### Training Received by the Faculty Members Within the Country

S. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
1.	2007	Radha Prasanna	Biosafety Issues and Web Resources in GMOs	3 days	NRCPB, IARI, New Delhi
2.	2009	Radha Prasanna	Training programme on metagenomics	15 days	School of Biological Sciences, Madurai Kamaraj University, Madurai
3.	2009	Surender Singh	Recent advances in molecular identification and characterization of agriculturally important micro-organisms	21 days	National Bureau of Agriculturally Important Microorganisms (NBAIM), Mau Nath Bhanjan, U.P.
4.	2010	Sunita Gaiind	National Training on Microbial identification and gene mining : A bioinformatic approach	10 days	National Bureau of Agriculturally Important Microorganisms (NBAIM), Mau Nath Bhanjan, U.P.
5.	2011	Sunita Gaiind	CAFT training on "Current Techniques and Protocols in Plant Biochemistry and Molecular Biology"	21 days	IARI, New Delhi



S. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
6.	2012	Surender Singh	Short course on Food pollutant evaluation for food safety and quality	10 days	Indian Institute of Horticultural Research, Hassaraghatta, Bangalore (Karnatka)
7.	2012	Radha Prasanna	Conventional, chromatographic and Spectral analysis of oils and fats	3 days	CSIR-Indian Institute of Chemical Technology, Hyderabad
8.	2012	B. Ramakrishnan	Development of Gene Chip for Microbial Identification using DNA Probes	14 days	National Bureau of Agriculturally Important Microorganisms, Kusmaur, Mau Nath Bhanjan, Uttar Pradesh
9.	2012	Sunita Gaind	National training on “Project formulation, Risk Assessment, Scientific Report Writing & Presentation	5 days	Division of Agricultural Engineering, IARI, New Delhi
10.	2012	Anju Arora	Synthetic Biology approaches for biofuel	10 days	ICGEB, New Delhi
11.	2013	Dolly Wattal Dhar	Training Programme on “Knowledge Management and Knowledge Sharing in Organisation for Scientists and Technologists”	5 days	Indian Institute of Public Administration, Delhi (Sponsored by Department of Science and Technology, Govt. of India)
12.	2014	K. Swarnalakshmi	CAFT on “Hands-on training on RNA Interference (RNAi) – Concepts and its applications in Plant Science	10 days	Division of Biochemistry, IARI, New Delhi
13.	2016	Surender Singh	Computational Tools and Techniques for Molecular Data Analysis in Agriculture	21 days	ICAR- Indian Agricultural Statistics Research Institute, Pusa, New Delhi

### Training Received by the Faculty Members Outside the Country

S. No.	Year	Name of the Faculty Member	Name of the training	Duration	Institution
1.	2007	Geeta Singh	Fulbright- Indo American Leadership	3 months	United State Education Foundation In India
2.	2009	Dolly Wattal Dhar	International training on “Micro-algal technology for natural food colorants”	2 months	Institute for sustainable energy and the environment, Ohio University, Ohio, USA
3.	2010	Livleen Shukla	International training on “Bio-remediation” under NAIP, ICAR, GOI	3 months	University of South Australia Adelaide, Australia
4.	2010	K. Annapurna	Deputation to CSIRO labs	14 days	Australia
5.	2010	Rajeev Kaushik	Gene Mining from <i>Bacillus</i>	3 months	Division of Bacterial Genetics, Humboldt University, Berlin



S. No.	Year	Name of the Faculty Member	Name of the training	Duration	Institution
6.	2011	Ms. Anju Arora	NAIP- HRD training in Fermentation Technology	3 months	Dept. of Biological and Agricultural Engineering, University of Arkansas, Fayetteville, AR, USA
7.	2010	Radha Prasanna	International training under the NAIP – HRD in the area of Microbial Molecular taxonomy (Crop Sciences)	3 months	Penn State University, State College, USA
8.	2011	B. Ramakrishnan	Endeavour Research Fellowship	6 months	University of South Australia, Adelaide (Australia)
9.	2011	Surender Singh	Endeavour Research Fellowship	6 months	University of South Australia, Adelaide (Australia)
10.	2012	Sunil Pabbi	Training on ‘Photobioreactor working and microalgae production’	5 days	Applikon Biotechnology B V Schiedam, The Netherlands
11.	2013	K. Swarnalakshmi	Training on “Microbial Molecular Taxonomy” under NAIP-HRD programme	3 months	Austrian Institute of Technology, Vienna, Austria

#### Awards Conferred on the Faculty Members

S. No.	Year	Name of the Faculty Member	Name of Award Received	Institution which Gave the Award
1.	2007	Sunil Pabbi	Best Teacher Award	ICAR–IARI, New Delhi
2.	2007	B. Ramakrishnan	Fulbright Fellowship	The Fulbright Commission, Washington DC, USA
3.	2007	Livleen Shukla	First Prize for Hindi Paper “Javik Khad-Ek Suffal Udyog”	ICAR–IARI, New Delhi
4.	2008	Dolly Wattal Dhar	Best Teacher Award	ICAR–IARI, New Delhi
5.	2008	Radha Prasanna	Best Teacher Award	ICAR–IARI, New Delhi
6.	2008	B. Ramakrishnan	Best Worker Award (Senior Scientist)-2008	ICAR-Central Rice Research Institute, Cuttack
7.	2010	Dolly Wattal Dhar	Felicitation	National Conference on “Woman, Environmental Education and Climate Change by All India Foundation for Peace and Disaster Management, supported by The American Centre, New Delhi
8.	2010	B. Ramakrishnan	Endeavour Research Fellowship-2010	Government of Australia, Australia
9.	2011	Dolly Wattal Dhar	Professor K.S. Bilgrami Award	Society for Plant Research
10.	2011	Dolly Wattal Dhar	Best Poster Award	National Conference on “Role of Taxonomy in Biodiversity, Management and Human Welfare” Organized by Department of Botany, R.R. Mehta College of Science & C.L. Parikh College of Commerce, Palanpur-385001, District-Banaskantha, North Gujarat



S. No.	Year	Name of the Faculty Member	Name of Award Received	Institution which Gave the Award
11.	2011	Sunil Pabbi	Best Poster Award	International Summit on Exploring the Secrets of Bio-Fuel held at Presidency College, Chennai
12.	2011	Surender Singh	Endeavour Award	Government of Australia
13.	2011	Dolly Wattal Dhar	Best Poster Award	National Conference on "Traditional Conservation of Plant Biodiversity and Energy Resources vis-a-vis Biotechnological Tools for Sustainability" (NCBEB), organised by Society for Plant Research, CSS University, Meerut, Uttar Pradesh
14.	2011	Sunil Pabbi	Member, Editorial Board. VEGETOS: An International Journal of Plant Research	Society for Plant Research
15.	2012	Sunil Pabbi	Best poster award	Society for Plant Research
16.	2012	Sangeeta Paul	Best poster award	Society for Plant Research
17.	2012	Radha Prasanna	ICAR Panjabrao Deshmukh Outstanding Woman Scientist Award	ICAR
18.	2013	B. Ramakrishnan	International Journal of Molecular Science Best Paper Award-2013	International Journal of Molecular Science
19.	2013	Sunil Pabbi	Prof. YSRK Sarma Memorial Award 2013	Society For Plant Research
20.	2013	Lata	AMI-Prof. J.V. Bhat Award for the best paper published in Indian Journal of Microbiology in 2013	Association of Microbiologists of India
21.	2013	Lata	Best Poster Award	Association of Microbiologists of India during 54 <sup>th</sup> Annual conference of Association of Microbiologist of India at MDU, Rohtak
22.	2014	K. Annapurna	Women Leadership Award	ASIAN PGPR Society
23.	2014	Dolly Wattal Dhar	Guest of Honour	Workshop on "Empowerment of Women Farmers and Urban Horticulture" IARI, New Delhi
24.	2014	Dolly Wattal Dhar	Best Poster Award	2 <sup>nd</sup> International Conference on Algal Biorefinery: A potential source of food, feed, biochemicals, biofuels and biofertilizers (ICAB: 2014) held at DTU, Lyngby, Denmark
25.	2015	Lata	Fellow of Indian Academy of Microbiological Sciences	Association of Microbiologists of India
26.	2015	Surender Singh	Young Scientist Award (Agricultural Microbiology)	Association of Microbiologists of India
27.	2016	Sangeeta Paul	Best poster award	Indian Phytopathological Society





### Faculty Participation in International Conference/Seminar/Assignments

S. No.	Year	Name of the Faculty Members	Name of the International Conference/ Seminar/Assignments	Duration	Place visited
1.	2007	Radha Prasanna	International Symposium on “Applied Phycology and Environmental Biotechnology”	3 days October 29-31, 2007	BITS, Pilani, Rajasthan, India
2.	2008	B. Ramakrishnan	International Workshop on “Recent Advances in Bioengineering.”	February 7-9, 2008	SRM University, Kattankulathur, Tamil Nadu
3.	2008	B. Ramakrishnan	Environmental Impact Assessment of Pollution from Agriculture	April 8-11, 2008	ICAR-CRRI, Cuttack
4.	2008	Radha Prasanna	12 <sup>th</sup> International Symposium on “Microbial Ecology ISME 12-Microbial Diversity – Sustaining the Blue Planet”	August 17-22	Cairns, Australia
5.	2008	Sangeeta Paul	First International Conference on Agrochemicals Protecting Crop, Health and Natural Environment	January 8-11, 2008	IARI, New Delhi
6.	2008	Sangeeta Paul	International Symposium on “Microbial Biotechnology: Diversity, Genomics & Metagenomics”	November 18-20, 2008	University of Delhi, New Delhi
7.	2009	Sunil Pabbi	7 <sup>th</sup> Asia Pacific Conference on Algal Biotechnology	December 1-4, 2009	University of Delhi, Delhi
8.	2009	Sangeeta Paul	5 <sup>th</sup> International Conference on Biopesticides: Stakeholders' Perspectives	April 26-30, 2009	India Habitat Centre, New Delhi
9.	2009	Sunil Pabbi	Development of Commercial Organic Farming for participants of South Asian countries.	December 9-15, 2009	National Productivity Council, Govt. of India at New Delhi
10.	2009	G. Abraham	Indo-Japan Workshop on Biomolecular Electronics and Organic Nanotechnology for Environmental preservation	December 17-20, 2009	New Delhi
11.	2009	Anju Arora	Enviroenergy	4 days	Chandigarh, India
12.	2010	K. Annapurna	19 <sup>th</sup> World Congress of Soil Science	August 1-6	Brisbane, Australia
13.	2010	K. Annapurna	Exchange of scientific visit	7 days	CSIRO, Adelaide
14.	2010	Surender Singh	51 <sup>st</sup> Annual Conference of Association of Microbiologists of India held at Birla Institute of Technology, Mesra, Ranchi, Jharkhand (India)	December 14-15, 2010	Mesra, Ranchi, Jharkhand (India)
15.	2011	K. Annapurna	International Conf. on Genomic Sciences VII Convention of Biotech Research Society. Indo-Italian Workshop on Industrial & Pharmaceutical Biotechnology	3 days	Madurai, India
16.	2011	Dolly Wattal Dhar	4 <sup>th</sup> Congress of the International Society for Applied Phycology. International conference on “Assessing cyanobacterial biodiversity through polyphasic approaches”	June 19-24, 2011	Halifax, Canada



S. No.	Year	Name of the Faculty Members	Name of the International Conference/ Seminar/Assignments	Duration	Place visited
17.	2011	Dolly Wattal Dhar Sunil Pabbi	Review meeting and Seminar under Indo-Denmark Collaborative Project : High Rate algal biomass production for food, feed, biochemicals and biofuels” funded by Department of Biotechnology, Ministry of Science and Technology, Government of India	June 15-18, 2011	Technical University of Denmark, Lyngby, Denmark
18.	2011	K. Annapurna	2 <sup>nd</sup> Asian PGPR Conference	6 days	Beijing, China
19.	2011	Sunita Gaind	International Conference on Microbial Biotechnology for Sustainable Development”	Nov. 3-6, 2011	Panjab University Chandigarh
20.	2011	Radha Prasanna	2 <sup>nd</sup> Asian PGPR Conference	4 days August 21-24, 2011	Beijing, China
21.	2012	Radha Prasanna	International Algal Summit “ <i>Algae for sustainable development</i> ”	2 days February 21-22, 2012	TERI, New Delhi
22.	2012	K. Annapurna	Oral presentation in VII CLGG Conf.	6 days	Hyderabad, India
23.	2012	Radha Prasanna	2 <sup>nd</sup> International Conference on Algae, Biomass and Biofuels	4 days June 10-13, 2012	San Diego, California, USA
24.	2012	Sangeeta Paul	International Conference on “Biotechnology: A rendezvous with basic sciences for global prosperity”	December 26-27, 2012	NASC Complex, New Delhi
25.	2012	Rajeev Kaushik	2 <sup>nd</sup> International conference on Agro-chemicals protecting crops, health and natural environment: Role of chemistry for sustainable agriculture	3 days	New Delhi
26.	2012	Rajeev Kaushik	53 <sup>rd</sup> International conference of Association of Microbiologist of India	3 days	Bhubaneshar, Odisha
27.	2012	Sunita Gaind	3 <sup>rd</sup> International Agronomy Congress	November 26-30, 2012	IARI, New Delhi
28.	2012	Sunita Gaind	International Conference on “Agriculture, Food Science and Environmental Technology for Sustainable Global Development”	October 28-29, 2012	JNU, New Delhi
29.	2012	Sunita Gaind	IUPAC sponsored Second International Conference on “Agrochemical protecting crops, health and natural environment: Role of Chemistry in Sustainable Agriculture	Feb. 15-18, 2012	IARI, New Delhi
30.	2012	K. Swarnalakshmi	International conference on ‘Legume genetics and genomics’	October 2-7, 2012	ICRISAT Hyderabad
31.	2012	Dolly Wattal Dhar Sunil Pabbi K. Swarnalakshmi	International Conference on Biotechnology: A Rendezvous with Basic Sciences for Global Prosperity	December 26-27, 2012	NASC Complex, New Delhi
32.	2013	Dolly Wattal Dhar Sunil Pabbi	International Conference on Algal Biorefinery	January 10-13, 2013	IIT, Kharagpur. West Bengal



S. No.	Year	Name of the Faculty Members	Name of the International Conference/ Seminar/Assignments	Duration	Place visited
33.	2013	Sunil Pabbi	Review Meeting of Indo-Denmark Collaborative Project on 'High Rate Algal Biomass Production for Food, Feed, Biochemicals and Biofuels' funded by Department of Biotechnology, Ministry of Science and Technology, Government of India	November 4-10, 2013	Technical University of Denmark (DTU), Lyngby, Denmark
34.	2013	Sunita Gaiind	"International symposium on Frontier Discoveries and Innovation in Microbiology and its Interdisciplinary Relevance (FDMIR-2013)"	November 17-20, 2013	MDU Rohtak
35.	2013	G. Abraham	Indo-Japan Workshop on Molecular and Bioelectronics and Organic Nanotechnology for Environmental preservation	December 4-10, 2013	New Delhi
36.	2013	Ms. Anju Arora	International conference on advances in biotechnology and bioinformatics ICABB 2013	4 days	Pune, India
37.	2014	Dolly Wattal Dhar	2 <sup>nd</sup> International Conference on Algal Biorefinery: A potential source of food, feed, biochemicals, biofuels and biofertilizers (ICAB 2014)	August 27-29, 2014	DTU, Environment technical University of Denmark, Denmark
38.	2014	Dolly Wattal Dhar	Review meeting of the Indo-Denmark Collaboration Project Presented work on "Identification and characterization of potential microalgae for their possible utilization in food, feed, biochemicals and biofuel" and "Seasonal influence on cultivation of microalgae and development of rotation concept"	August 26, 2014	Department of Environmental Engineering, Technical University of Denmark, DTU, Lyngby, Denmark
39.	2014	Sunil Pabbi	Review meeting of Indo-Denmark Collaboration Project entitled "High Rate Algal Biomass Production for Food, Feed, Biochemicals and Biofuels" funded by Department of Biotechnology, Govt. of India	August 25-31, 2014	Technical University of Denmark (DTU), Department of Environmental Engineering, Lyngby, Denmark
40.	2014	Sunil Pabbi	2 <sup>nd</sup> International Conference on Algal Biorefinery: A potential source of food, feed, biochemicals, biofuels and biofertilizers (ICAB 2014)	August 27-29, 2014	Technical University of Denmark (DTU), Department of Environmental Engineering, Lyngby, Denmark



S. No.	Year	Name of the Faculty Members	Name of the International Conference/ Seminar/Assignments	Duration	Place visited
41.	2014	Sunita Gaind	International Congress on Agriculture, Food Engineering and Environmental Science-Sustainable Approaches (AFEESSA-2014)	March 29-30, 2014	JNU, New Delhi
42.	2014	K. Swarnalakshmi	Indo-German workshop on “Microbial Ecology and Application of Inoculants in Biocontrol”	April 7-10, 2014	NASC Complex, New Delh
43.	2015	Rajeev Kaushik	CRYOBIOTECH 2015: International Conference on Low Temperature Science and Biotechnological Advances	3 days	New Delhi
44.	2015	Sunita Gaind	6 <sup>th</sup> World congress on Biotechnology (Biotechnology-2015)	Oct. 5-7, 2015	Crowne Plaza, Rohini, New Delhi
45.	2015	Sunita Gaind	International Congress on Agriculture, Food Engineering and Environment Sciences-Sustainable Approaches (AEFSA-2015)	9-10 May, 2015	
46.	2015	Sunil Pabbi	56 <sup>th</sup> Annual Conference of Association of Microbiologists of India (AMI-2015) and International Symposium on ‘Emerging Discoveries in Microbiology’	December 7-10, 2015	Jawaharlal Nehru University, New Delhi
47.	2015	K. Swarnalakshmi	International Plant Physiology Congress on “Challenges and Strategies in plant Biology research”	December 11-14, 2015	Jawaharlal Nehru University, New Delhi
48.	2015	Surender Singh	2nd International Conference on Bioenergy Environment and Sustainable Technologies (BEST 2015)	January 28-31, 2015	Tiruvannamalai, Tamilnadu, India
49.	2015	Anju Arora	New Horizon in Biotechnology	4 days	Trivandrum, India
50.	2016	Sangeeta Paul	6 <sup>th</sup> International Conference on “Plants pathogens and people”	February 23-27, 2016	NASC Complex, New Delhi
51.	2016	Sunil Pabbi Sangeeta Paul	International Symposium on “Microbes and Biosphere: What’s new what’s next”	November 24-27, 2016	Gauhati University, Guwahati, Assam
52.	2016	Sunita Gaind	4 <sup>th</sup> International Agronomy Congress on Agronomy for sustainable management of natural resources, environment, energy and livelihood security to achieve zero hunger challenge	November 22-26, 2016	IARI, New Delhi
53.	2016	K. Swarnalakshmi	Asian PGPR satellite workshop on “PGPRs for Sustainable Crop Productivity	February 25, 2016	NASC Complex, New Delhi
54.	2016	B. Ramakrishnan	Invited Faculty	July 24 to August, 6, 2016	University of Athens, Georgia, USA
55.	2016	Sunita Gaind	3rd international IUPAC conference on Agro-chemicals protecting crops, health and natural environment: new chemistries for phyto medicines and crop protection chemicals held at NAAS complex New Delhi	April 6-9, 2016	NAAS complex New Delhi



## Research Publications of Faculty Members

S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
1.	Mishra B.K. and Lata	2007	Effect of co-inoculum of white-rot fungus ( <i>Phanerochaete chrysosporium</i> ) and cellulolytic bacterium ( <i>Cellulomonas cellulans</i> ) on paddy straw composting	<i>Indian Journal of Agricultural Sciences</i> 77(9): 621-625	6.14	2
2.	Swarnalakshmi, K., Dhar, Wattal Dolly and Singh P.K.	2007	Potential of blue green algae on C – N content and yield attributes of rice crop under phytotronic condition	<i>Indian Journal of Ecology</i> 34: 47-49	4.47	2
3.	Sood A., Prasanna R. and Singh P.K.	2007	Utilization of SDS-PAGE of whole cell proteins for characterization of <i>Azolla</i> species	<i>Annales Botanici Fennici</i> 44(4): 283-286	-	4
4.	Vasudevan V., Prasanna R., Sood A. and Kaushik B.D.	2007	Enhancing pigment accumulation in <i>Anabaena</i> strains using sugars	<i>Acta Botanica Hungarica</i> 49(1-2): 187-198	6.59	5
5.	Sharma, H.K., Gaur H.S., Singh B.V. and Dhar Wattal Dolly	2007	Bionematicidal potential of ten species of cyanobacteria against root- knot nematode, <i>Meloidogyne incognita</i>	<i>International Jour. Nematology</i> 17: 35-40	-	5
6.	Swarnalakshmi K., Dhar Wattal Dolly and Singh P.K.	2007	Evaluation of blue green algal inoculation on specific soil parameters	<i>Acta Agronomica Hungarica</i> 55: 307-313	-	5
7.	Saxena Sudhir, Singh B.V., Tiwari Saurabh and Dhar Wattal Dolly	2007	Physiological characterization of cyanobacterial isolates from Orissa and West Bengal	<i>Indian Journal of Plant Physiology</i> 12: 181-185	4.66	7
8.	Senthilkumar M., Govindasamy V., Dureja P. and Annapurna K.	2007	Purification and partial characterization of antifungal peptides from soybean endophyte- <i>Paenibacillus</i> sp. strain HKA-15	<i>Journal of Plant Biochemistry and Biotechnology</i> 16(2): 131-134	7.09	10
9.	Annapurna K., Balakrishnan N. and Vital L.K.	2007	Verification and rapid identification of soybean rhizobia in Indian soils	<i>Current Microbiology</i> 54(4): 287-291	7.42	13
10.	Mishra B.K., Pandey A.K. and Lata	2007	Lignocellulolytic enzyme production from submerged fermentation of paddy straw	<i>Indian Journal of Microbiology</i> 47(2): 176-179	6.9	13
11.	Singh M., Pabbi S., Bhattacharya A.K. and Singh A.K.	2007	Nitrite accumulation in coastal clay soil of India under inadequate subsurface drainage	<i>Agr Water Manage</i> 91(1-3): 78-85	8.29	17



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12.	Dhar D.W., Prasanna R. and Singh B.V.	2007	Comparative performance of three carrier based blue green algal biofertilizers for sustainable rice cultivation	<i>Journal of Sustainable Agriculture</i> 30(2): 41-50	7.37	17
13.	Singh Nirbhay Kumar and Dhar Wattal Dolly	2007	Nitrogen and phosphorus scavenging potential in microalgae	<i>Indian J. Biotechnology</i> 6: 52-56	6.39	18
14.	Gaind S., Rathi M.S., Kaushik B.D., Nain L. and Verma O.P.	2007	Survival of bio-inoculants on fungicides-treated seeds of wheat, pea and chickpea and subsequent effect on chickpea yield	<i>Journal of Environmental Science and Health Part B, Pesticides, Food Contaminants, and Agricultural Wastes</i> 42(6): 663-668	7.2	19
15.	Nayak S., Prasanna R., Prasanna B.M. and Sahoo D.B.	2007	Analysing diversity among Indian isolates of <i>Anabaena</i> (Nostocales, Cyanophyta) using morphological, physiological and biochemical characters	<i>World Journal of Microbiology and Biotechnology</i> 23(11): 1575-1584	7.78	19
16.	Prasanna R., Sood A., Suresh A., Nayak S. and Kaushik B.D.	2007	Potentials and applications of algal pigments in biology and industry	<i>Acta Botanica Hungarica</i> 49(1-2): 131-156	6.59	39
17.	Gaind S. and Nain L.	2007	Chemical and biological properties of wheat soil in response to paddy straw incorporation and its biodegradation by fungal inoculants	<i>Biodegradation</i> 18(4): 495-503	8.34	46
18.	Hung P.Q., Kumar S.M., Govindsamy V. and Annapurna K.	2007	Isolation and characterization of endophytic bacteria from wild and cultivated soybean varieties	<i>Biology and Fertility of Soils</i> 44(1): 155-162	9.4	46
19.	Prasanna R. and Nayak S.	2007	Influence of diverse rice soil ecologies on cyanobacterial diversity and abundance	<i>Wetlands Ecology and Management</i> 15(2): 127-134	7.27	46
20.	Babu B.K., Saxena A.K., Srivastava A.K. and Arora D.K.	2007	Identification and detection of <i>Macrophomina phaseolina</i> by using species-specific oligonucleotide primers and probe	<i>Mycologia</i> 99(6): 797-803	8.47	50



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21.	Nayak S. and Prasanna R.	2007	Soil pH and its role in cyanobacterial abundance and diversity in rice field soils	<i>Applied Ecology and Environmental Research</i> 5(2): 103-113	6.56	54
22.	Karthikeyan N., Prasanna R., Nain L. and Kaushik B.D.	2007	Evaluating the potential of plant growth promoting cyanobacteria as inoculants for wheat	<i>European Journal of Soil Biology</i> 43(1): 23-30	7.72	103
23.	Shalini, Gupta Rajender K. and Dhar Wattal Dolly	2007	Biodiversity profile in selected cyanobacterial genera	<i>Journal of Food, Agriculture and Environment</i> 5: 369-374	5	-
24.	Rai S., Sethi V., Jayachandran K. and Paul S.	2007	Equilibrium relative humidity studies and determination of packaging material for apple cheese	<i>Agricultural Science Digest</i> 27(1): 59-61	3.88	-
25.	Tiwari S.S., Gupta R.K., Pabbi S. and Dhar D.W.	2007	Protocol optimization for RAPD in cyanobacteria	<i>Indian Journal of Biotechnology</i> 6: 549-552	6.39	-
26.	Saleh A.M., Singh P.K. and Dhar Wattal Dolly	2008	Comparative $\beta$ – carotene content of <i>Spirulina</i> strains at different days of incubation	<i>Andhra Agric. J.</i> 55: 61-62	NA	2
27.	Kumar S., Sagar V. and Nain L.	2008	Quality of osmovac dehydrated ripe mango slices influenced by packaging material and storage temperature	<i>Journal of Scientific and Industrial Research</i> 67: 1108-1114	6.5	5
28.	Masood A., Zeeshan M. and Abraham G.	2008	Response of growth and antioxidant enzymes in <i>Azolla</i> plants ( <i>Azolla pinnata</i> and <i>Azolla filiculoides</i> ) exposed to UV-B	<i>Acta Biologica Hungarica</i> 59(2): 247-258	6.59	6
29.	Sood A., Prasanna R. and Singh P.K.	2008	Fingerprinting of freshly separated and cultured cyanobionts from different <i>Azolla</i> species using morphological and molecular markers	<i>Aquatic Botany</i> 88(2): 142-147	7.61	7
30.	Shalini, Dolly Wattal Dhar and Rajinder K. Gupta	2008	Phylogenetic analysis of cyanobacterial strains of genus- <i>Calothrix</i> by single and multiplex randomly amplified polymorphic DNA-PCR	<i>World J. Microbiology and Biotechnology</i> 24: 927-935 DOI: 10.1007/s11274-007-9569-2	7.78	9



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31.	Sood A., Prasanna R., Prasanna B.M. and Singh P.K.	2008	Genetic diversity among and within cultured cyanobionts of diverse species of <i>Azolla</i>	<i>Folia Microbiologica</i> 53(1): 35-43	7	10
32.	Lee Y.K., Senthilkumar M., Kim J.H., Swarnalakshmi K. and Annapurna K.	2008	Purification and partial characterization of antifungal metabolite from <i>Paenibacillus lentimorbus</i> WJ5	<i>World Journal of Microbiology and Biotechnology</i> 24(12): 3057-3062	7.78	17
33.	Prasanna R., Jaiswal P. and Kaushik B.D.	2008	Cyanobacteria as potential options for environmental sustainability - Promises and challenges	<i>Indian Journal of Microbiology</i> 48(1): 89-94	6.9	26
34.	Kumar A., Gaind S. and Nain L.	2008	Evaluation of thermophilic fungal consortium for paddy straw composting	<i>Biodegradation</i> 19(3): 395-402	8.34	29
35.	Krishna H., Sairam R.K., Singh S.K., Patel V.B., Sharma R.R., Grover M., Nain L. and Sachdev A.	2008	Mango explant browning: effect of ontogenic age, mycorrhization and pre-treatments	<i>Scientia Horticulturae</i> 118(2): 132-138	7.37	31
36.	Prasanna R., Jaiswal P., Singh Y.V. and Singh P.K.	2008	Influence of biofertilizers and organic amendments on nitrogenase activity and phototrophic biomass of soil under wheat	<i>Acta Agronomica Hungarica</i> 56(2): 149-159	NA	33
37.	Mishra V., Srivastava G., Prasad S.M. and Abraham G.	2008	Growth, photosynthetic pigments and photosynthetic activity during seedling stage of cowpea ( <i>Vigna unguiculata</i> ) in response to UV-B and dimethoate	<i>Pesticide Biochemistry and Physiology</i> 92(1): 30-37	8.01	59
38.	Prasanna R., Nain L., Tripathi R., Gupta V., Chaudhary V., Middha S., Joshi M., Ancha R. and Kaushik B.D.	2008	Evaluation of fungicidal activity of extracellular filtrates of cyanobacteria - Possible role of hydrolytic enzymes	<i>Journal of Basic Microbiology</i> 48 (3): 186-194	7.82	62
39.	Jaiswal P., Singh P.K. and Prasanna R.	2008	Cyanobacterial bioactive molecules - An overview of their toxic properties	<i>Canadian Journal of Microbiology</i> 54(9): 701-717	7.22	69
40.	Singh Nirbhay Kumar, Prasanna Radha and Dhar Wattal Dolly	2008	Morphological and biochemical characterization of <i>Spirulina</i> and related genera	<i>Pusa AgriScience</i> 31: 64-75	2.2	-
41.	Pabbi S.	2008	Cyanobacterial biofertilizers	<i>Journal of Eco-friendly Agriculture</i> 3: 95-11	3.1	-
42.	Prasad S., Nain L., Joshi H. and Pathak H.	2009	Selection of efficient <i>Saccharomyces cerevisiae</i> strain for ethanol production from sorghum stalk juice	<i>Curr. Adv. J. Agric. Sci.</i> 1: 70-72	3.96	3





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43.	Malik B., Paul S., Ahlawat A., Singh A.M. and Shivay Y.	2009	Productivity and quality of wheat spp. grown with different fertilization condition	<i>Indian Journal of Agricultural Sciences</i> 79(8): 636	6.14	3
44.	Patel V.B., Singh S.K., Asrey R., Nain L., Singh A.K. and Singh L.	2009	Microbial and inorganic fertilizers application influenced vegetative growth, yield, leaf nutrient status and soil microbial biomass in sweet orange cv. Mosambi	<i>Indian Journal of Horticulture</i> 66(2): 163-168	6.13	4
45.	Singh N., Devi C., Kak A., Singh G., Kumari A. and Mahajan R.K.	2009	Influence of seed coat colour associated heterogeneity on quality and storability in horse gram ( <i>Macrotyloma uniflorum</i> )	<i>Seed Sci. Technol.</i> 37(1): 232-240	6.48	5
46.	Singh G., Singh N. and Marwaha T.S.	2009	Crop genotype and a novel symbiotic fungus influences the root endophytic colonization potential of plant growth promoting rhizobacteria	<i>Physiology and Molecular Biology of Plants</i> 15(1): 87-92	4.63	7
47.	Anupama K. and Paul S.	2009	Ex situ and in situ biodegradation of lindane by <i>Azotobacter chroococcum</i>	<i>Journal of Environmental Science and Health Part B</i> 45(1): 58-66	7.2	8
48.	Kalyani S., Sharma J., Singh S., Dureja P. and Lata	2009	Enrichment and isolation of endosulfan-degrading micro-organism from tropical acid soil	<i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> 44(7): 663-672	7.2	14
49.	Biswas D., Narayanasamy G., Datta S., Singh G., Begum M., Maiti D., Mishra A. and Basak B.	2009	Changes in nutrient status during preparation of enriched organomineral fertilizers using rice straw, low-grade rock phosphate, waste mica, and phosphate solubilizing microorganism	<i>Communications in Soil Science and Plant Analysis</i> 40(13-14): 2285-2307	6.39	16
50.	Singh G., Marwaha T. and Kumar D.	2009	Effect of resource-conserving techniques on soil microbiological parameters under long-term maize ( <i>Zea mays</i> )-wheat ( <i>Triticum aestivum</i> ) crop rotation	<i>Indian Journal of Agricultural Sciences</i> 79(2): 94-100	6.14	16



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
51.	Dhanya M., Gupta N., Joshi H. and Nain L.	2009	Biogas potentiality of agro-wastes <i>Jatropha</i> fruit coat	<i>International Journal of Environmental, Chemical, Ecological, Geological and Geophysical Engineering</i> 3(3): 70-74	-	16
52.	Govindasamy V., Senthilkumar M., Mageshwaran V. and Annapurna K.	2009	Detection and Characterization of ACC Deaminase in Plant Growth Promoting Rhizobacteria	<i>Journal of Plant Biochemistry and Biotechnology</i> 18(1): 71-76	7.09	19
53.	Grover M., Nain L. and Saxena A.K.	2009	Comparison between <i>Bacillus subtilis</i> RP24 and its antibiotic-defective mutants	<i>World Journal of Microbiology &amp; Biotechnology</i> 25(8): 1329-1335	7.78	19
54.	Radhakrishnan B., Prasanna R., Jaiswal P., Nayak S. and Dureja P.	2009	Modulation of biocidal activity of <i>Calothrix</i> sp. and <i>Anabaena</i> sp. by environmental factors	<i>Biologia</i> 64(5): 881-889	6.83	21
55.	Pandey A.K., Gaiind S., Ali A. and Nain L.	2009	Effect of bioaugmentation and nitrogen supplementation on composting of paddy straw	<i>Biodegradation</i> 20(3): 293-306	8.34	22
56.	Nayak S., Prasanna R., Prasanna B.M. and Sahoo D.	2009	Genotypic and phenotypic diversity of <i>Anabaena</i> isolates from diverse rice agro-ecologies of India	<i>Journal of Basic Microbiology</i> 49(2): 165-177	7.82	23
57.	Gaiind S., Nain L. and Patel V.B.	2009	Quality evaluation of co-composted wheat straw, poultry droppings and oil seed cakes	<i>Biodegradation</i> 20(3): 307-317	8.34	25
58.	Sharma D.K., Pandey A.K. and Nain L.	2009	Use of <i>Jatropha curcas</i> hull biomass for bioactive compost production	<i>Biomass and Bioenergy</i> 33(1): 159-162	9.39	27
59.	Prasanna R., Nain L., Ancha R., Srikrishna J., Joshi M. and Kaushik B.D.	2009	Rhizosphere dynamics of inoculated cyanobacteria and their growth-promoting role in rice crop	<i>Egyptian Journal of Biology</i> 11(1)	6.27	32
60.	Senthilkumar M., Swarnalakshmi K., Govindasamy V., Lee Y.K. and Annapurna K.	2009	Biocontrol potential of soybean bacterial endophytes against charcoal rot fungus, <i>Rhizoctonia bataticola</i>	<i>Current Microbiology</i> 58(4): 288-293	7.42	44
61.	Karthikeyan N., Prasanna R., Sood A., Jaiswal P., Nayak S. and Kaushik B.D.	2009	Physiological characterization and electron microscopic investigation of cyanobacteria associated with wheat rhizosphere	<i>Folia Microbiologica</i> 54(1): 43-51	7	47



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62.	Prasanna R., Jaiswal P., Nayak S., Sood A. and Kaushik B.D.	2009	Cyanobacterial diversity in the rhizosphere of rice and its ecological significance	<i>Indian Journal of Microbiology</i> 49(1): 89-97	6.9	73
63.	Shalini, Dhar Wattal Dolly and Gupta R.K.	2009	Morphological and physio-chemical characteri-zation of <i>Calothrix</i> strains	<i>Acta Botanica Hungarica</i> 51: 195-216	-	-
64.	Prasad S., Joshi H.C., Nain L. and Kumar A.	2009	Optimization of fermentation conditions and nutrient supplementation for high ethanol yield from sweet sorghum stalk juice using <i>Saccharomyces cerevisiae</i> NCIM 3186	<i>Biochemical and Cellular Archives</i> 9(1): 41-44 9:41-44	6.07	-
65.	Singh R., Joshi H., Nain L. and Pandey A.	2009	Enrichment of corn stillage after ethanol production	<i>J. Environ Res. Dev.</i> 3(3): 890-892	-	-
66.	Gupta V., Prasanna R., Natarajan C., Srivastava A.K. and Sharma J.	2010	Identification, characteri-zation, and regulation of a novel antifungal chitosanase gene (cho) in <i>Anabaena</i> spp.	<i>Applied and Environmental Microbiology</i> 76(9): 2769-2777	9.67	1
67.	Kanika, Dogra T. and Nain L.	2010	Biochemical and molecular characterization of <i>Mesorhizobium ciceri</i> containing acdS gene	<i>Journal of Plant Biochemistry and Biotechnology</i> 19(1): 107-110	7.09	1
68.	Shende R., Saxena A.K., Nain L., Chauhan S.V.S. and Tilak K.V.B.R.	2010	Effect of auxin and antiauxin on plant cell wall degrading enzymes of <i>Bradyrhizobium</i> sp. (Vigna) specific to moongbean <i>Vigna radiata</i> (L.) Wilczek	<i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> 80(PART 2): 155-159	6	1
69.	Magheswaran V., Gupta A., Kumar U., Padaria J. and Annapurna K.	2010	Effect of seed treatment with <i>P. polymyxa</i> HKA 15 on suppression of charcoal rot disease and growth promotion of soybean	<i>Pusa AgriScience</i> 33: 14-19	2.2	1
70.	Kanika, Dogra T. and Lata	2010	Biochemical and molecular characterization of a rhizobitoxine-producing <i>Bradyrhizobium</i> from pigeon pea plants	<i>Folia Microbiologica</i> 55(3): 233-238	7	2
71.	Mahajan R.	2010	Ethnobotanical significance and antimicrobial activity of <i>Blumea lacera</i> (Roxb.) DC	<i>International Journal of Pharmaceutical &amp; Biological Archive</i> 1(3)	-	3



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
72.	Chaudhary V., Prasanna R., Gupta V., Singh S.B., Natarajan C. and Nain L.	2010	Development of microtitre plate-based assay for evaluation of fungicidal potential of cyanobacterial metabolites	<i>Archives of Phytopathology and Plant Protection</i> 43(14): 1435-1444	6.31	5
73.	Prasanna R., Madhan K., Singh R.N., Chauhan A.K. and Nain L.	2010	Developing Biochemical and Molecular Markers for Cyanobacterial Inoculants	<i>Folia Microbiologica</i> 55(5): 474-480	7	6
74.	Jaiswal P., Kashyap A.K., Prasanna R. and Singh P.K.	2010	Evaluating the potential of <i>N. calcicola</i> and its bicarbonate resistant mutant as bioameleorating agents for 'usar' soil	<i>Indian Journal of Microbiology</i> 50(1): 12-18	6.9	6
75.	Abraham G.	2010	Antioxidant enzyme status in <i>Azolla microphylla</i> in relation to salinity and possibilities of environmental monitoring	<i>Thin Solid Films</i> 519(3): 1240-1243	7.76	6
76.	Choudhary R.L., Kumar D., Shivay Y., Singh G. and Singh N.	2010	Performance of rice ( <i>Oryza sativa</i> ) hybrids grown by the system of rice intensification with plant growth-promoting rhizobacteria	<i>Indian Journal of Agricultural Sciences</i> 80(10): 917-920	6.14	7
77.	Shivani C., Balraj S., Lata N., Khare S.K., Pandey A.K. and Santosh S.	2010	Evaluation of hydrolytic enzymes in bioaugmented compost of <i>Jatropha</i> cake under aerobic and partial anaerobic conditions	<i>Annals of Microbiology</i> 60(4): 685-691	6.99	8
78.	Babu B.K., Reddy S.S., Yadav M.K., Sukumar M., Vijendra M., Saxena A.K. and Arora D.K.	2010	Genetic diversity of <i>Macrophomina phaseolina</i> isolates from certain agro-climatic regions of India by using RAPD markers	<i>Indian Journal of Microbiology</i> 50(2): 199-204	6.9	9
79.	Yandigeri M.S., Yadav A.K., Meena K.K. and Pabbi S.	2010	Effect of mineral phosphates on growth and nitrogen fixation of diazotrophic cyanobacteria <i>Anabaena variabilis</i> and <i>Westiellopsis prolifica</i>	<i>Antonie Van Leeuwenhoek</i> 97(3): 297-306	7.81	10
80.	Singh A.K., Tripathi B.M., Harmesh S., Singh R.N., Rajeev K., Saxena A.K. and Arora D.K.	2010	Biochemical and molecular characterization of thermo-alkali tolerant xylanase producing bacteria from thermal springs of Manikaran	<i>Indian Journal of Microbiology</i> 50(Suppl. 1): S2-S9	6.9	10



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81.	Kalyani S., Sharma J., Dureja P., Singh S. and Nain L.	2010	Influence of endosulfan on microbial biomass and soil enzymatic activities of a tropical alfisol	<i>Bulletin of Environmental Contamination and Toxicology</i> 84(3): 351-356	7.26	17
82.	Abraham G. and Dhar D.W.	2010	Induction of salt tolerance in <i>Azolla microphylla</i> Kaulf through modulation of antioxidant enzymes and ion transport	<i>Protoplasma</i> 245(1): 105-111	8.65	19
83.	Gaind S. and Nain L.	2010	Exploration of composted cereal waste and poultry manure for soil restoration	<i>Bioresource Technology</i> 101(9): 2996-3003	10.49	23
84.	Meena K.K., Mesapogu S., Kumar M., Yandigeri M.S., Singh G. and Saxena A.K.	2010	Co-inoculation of the endophytic fungus <i>Piriformospora indica</i> with the phosphate-solubilising bacterium <i>Pseudomonas striata</i> affects population dynamics and plant growth in chickpea	<i>Biology and Fertility of Soils</i> 46(2): 169-174	9.4	25
85.	Prasanna R., Joshi M., Rana A. and Nain L.	2010	Modulation of IAA production in cyanobacteria by tryptophan and light	<i>Polish Journal of Microbiology</i> 59(2): 99-105	-	26
86.	Prasanna R., Gupta V., Natarajan C. and Chaudhary V.	2010	Bioprospecting for genes involved in the production of chitosanases and microcystin-like compounds in <i>Anabaena</i> strains	<i>World Journal of Microbiology and Biotechnology</i> 26(4): 717-724	7.78	27
87.	Manjunath M., Prasanna R., Nain L., Dureja P., Singh R., Kumar A., Jaggi S. and Kaushik B.D.	2010	Biocontrol potential of cyanobacterial metabolites against damping off disease caused by <i>Pythium aphanidermatum</i> in solanaceous vegetables	<i>Archives of Phytopathology and Plant Protection</i> 43(7): 666-677	6.31	30
88.	Prasanna R., Sood A., Jaiswal P., Nayak S., Gupta V., Chaudhary V., Joshi M. and Natarajan C.	2010	Rediscovering cyanobacteria as valuable sources of bioactive compounds (Review)	<i>Applied Biochemistry and Microbiology</i> 46(2): 119-134	6.74	34
89.	Singh G., Biswas D. and Marwaha T.	2010	Mobilization of potassium from waste mica by plant growth promoting rhizobacteria and its assimilation by maize ( <i>Zea mays</i> ) and wheat ( <i>Triticum aestivum</i> L.): a hydroponics study under phytotron growth chamber	<i>Journal of Plant Nutrition</i> 33(8): 1236-1251	6.49	37



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90.	Grover M., Nain L., Singh S.B. and Saxena A.K.	2010	Molecular and biochemical approaches for characterization of antifungal trait of a potent biocontrol agent <i>Bacillus subtilis</i> RP24	<i>Current Microbiology</i> 60(2): 99-106	7.42	50
91.	Nain L., Rana A., Joshi M., Jadhav S.D., Kumar D., Shivay Y.S., Paul S. and Prasanna R.	2010	Evaluation of synergistic effects of bacterial and cyanobacterial strains as biofertilizers for wheat	<i>Plant Soil</i> 331(1): 217-230	8.95	76
92.	Singh N.K. and Dhar Wattal Dolly	2010	Microalgal remediation of sewage effluent	<i>Proc. Indian Natn. Sci. Acad.</i> 76: 209-221	3.93	-
93.	Priyanka C., Singh S.B., Lata N. and Smita C.	2010	Effect of carbon source on growth of hydrocarbon degrading strain <i>Serratia marcescens</i> isolated from compost	<i>Annals of Plant Protection Sciences</i> 18(2):543-544	3.65	-
94.	Mishra B.K. and Lata N.	2010	Interaction of inoculation and amendment on rice straw composting	<i>Environment and Ecology</i> 28(4A): 2550-2555	4.09	-
95.	Shukla L., Pranaw K. and Singh S.	2010	Efficiency of newly isolated proteolytic, lipolytic and amylolytic bacterial isolates on degradation of different agro-wastes	<i>Indian Journal of Agricultural Science</i> 80(9): 812-814	6.14	-
96.	Thekkiniath J., Paul S., Dureja P. and Dhar D.W.	2010	Physiological studies on endorhizospheric establishment of <i>Azotobacter chroococcum</i> in wheat	<i>Journal of Basic Microbiology</i> 50(3): 266-273	7.82	-
97.	Mishra B. and Nain L.	2010	Rice straw as a substrate for lignocellulolytic enzymes production from <i>Phanerochaete chrysosporium</i> and cellulolytic bacteria	<i>Journal of Mycology and Plant Pathology</i> 40(1): 110-114	4	-
98.	Singh G., Kumar D., Marwaha T.S., Singh A.K. and Srnivasmurthy K.	2011	Conservation tillage and integrated nitrogen management stimulates soil microbial properties under varying water regimes in maize-wheat cropping system in northern India	<i>Archives of Agronomy and Soil Science</i> 57(5): 507-521	6.55	1



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99.	Lee Y.K., Senthilkumar M., Jeong I.Y., Annapurna K. and Swarnalakshmi K.	2011	Gamma-radiation induced modifications in substrate specificity of glucose dehydrogenase and carbon source utilization pattern of phosphate-solubilizing <i>Pantoea</i> strains	<i>Biotechnology Letters</i> 33(12): 2391-2396	7.59	1
100.	Singh Y.V. and Dhar Wattal Dolly	2011	Influence of organic farming on soil microbial diversity and grain yield under rice wheat green gram cropping sequence	<i>Oryza</i> 48: 40-46	4.12	1
101.	Paul B., Paul S. and Khan M.A.	2011	A potential economical substrate for large-scale production of <i>Bacillus thuringiensis</i> var. <i>kurstaki</i> for caterpillar control	<i>Biocontrol Science and Technology</i> 21(11): 1363-1368	6.94	2
102.	Singh S., Dhar D.W. and Gupta R.K.	2011	Morphological and molecular characterization of <i>Calothrix</i> isolates obtained from diverse environments in India	<i>Microbiology</i> 80(3): 411-419	6.64	2
103.	Yandigeri M.S., Yadav A.K., Srinivasan R., Kashyap S. and Pabbi S.	2011	Studies on mineral phosphate solubilization by cyanobacteria <i>Westiellopsis</i> and <i>Anabaena</i>	<i>Microbiology</i> 80(4): 558	6.64	2
104.	Chakdar H. and Pabbi S.	2011	Morphological characterization and molecular fingerprinting of <i>Nostoc</i> strains by multiplex RAPD	<i>Mikrobiologija</i> 81(6): 768-778	6.03	2
105.	Tripathi V.K., Rajput T., Patel N. and Nain L.	2011	Hydraulic performance of drip irrigation system with municipal wastewater	<i>Journal of Agricultural Engineering</i> 48(2): 15-22	4.27	3
106.	Rana A., Saharan B., Kabi S.R., Prasanna R. and Nain L.	2011	<i>Providencia</i> , a PGPR with biocontrol potential elicits defense enzymes in wheat	<i>Annals of Plant Protection Sciences</i> 19(1): 138-141	3.65	4
107.	Paul S., Singh Rathi M. and Prakash Tyagi S.	2011	Interactive effect with AM fungi and <i>Azotobacter</i> inoculated seed on germination, plant growth and yield in cotton ( <i>Gossypium hirsutum</i> )	<i>Indian Journal of Agricultural Sciences</i> 81(11): 1041	6.14	4
108.	Singh N.K. and Dhar D.W.	2011	Phylogenetic relatedness among <i>Spirulina</i> and related cyanobacterial genera	<i>World Journal of Microbiology &amp; Biotechnology</i> 27(4): 941-951	7.78	4



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109.	Prasanna R., Singh R.N., Joshi M., Madhan K., Pal R.K. and Nain L.	2011	Monitoring the biofertilizing potential and establishment of inoculated cyanobacteria in soil using physiological and molecular markers	<i>Journal of Applied Phycology</i> 23(2): 301-308	8.56	5
110.	Singh S., Shukla L., Nain L. and Khare S.	2011	Detection and characterization of new thermostable endoglucanase from <i>Aspergillus awamori</i> Strain F 18	<i>Journal of Mycology and Plant Pathology</i> 41(1): 97-103	4	5
111.	Sood A., Singh P.K., Kumar A., Singh R. and Prasanna R.	2011	Growth and biochemical characterization of associations between cyanobionts and wheat seedlings in co-culturing experiments	<i>Biologia</i> 66(1): 104-110	6.83	6
112.	Jaiswal P., Prasanna R. and Singh P.K.	2011	Characterization of the biocidal spectrum of extracellular filtrates of <i>Microcystis aeruginosa</i>	<i>Indian Journal of Microbiology</i> 51(4): 509-514	6.9	6
113.	Yandigeri M.S., Meena K.K., Srinivasan R. and Pabbi S.	2011	Effect of mineral phosphate solubilization on biological nitrogen fixation by diazotrophic cyanobacteria	<i>Indian Journal of Microbiology</i> 51(1): 48-53	6.9	6
114.	Yadav M.K., Babu B.K., Saxena A.K., Singh B.P., Singh K. and Arora D.K.	2011	Real-time PCR assay based on Topoisomerase-II gene for detection of <i>Fusarium udum</i>	<i>Mycopathologia</i> 171(5): 373-381	7.53	6
115.	Deshmukh S.K., Singh A.K., Datta S.P. and Annapurna K.	2011	Impact of long-term wastewater application on microbiological properties of vadose zone	<i>Environmental Monitoring and Assessment</i> 175(1-4): 601-612	7.68	8
116.	Prasanna R., Ratha S.K., Rojas C. and Bruns M.A.	2011	Algal diversity in flowing waters at an acidic mine drainage "barrens" in central Pennsylvania, USA	<i>Folia Microbiologica</i> 56(6): 491-496	7	10
117.	Saleh A.M., Dhar Wattal Dolly and Singh P.K.	2011	Comparative pigment profiles of different <i>Spirulina</i> strains	<i>Research Biotechnol.</i> 2: 67-74	-	10
118.	Tsigie A., Tilak K. and Saxena A.K.	2011	Field response of legumes to inoculation with plant growth-promoting rhizobacteria	<i>Biology and Fertility of Soils</i> 47(8): 971-974	9.4	12





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119.	Yadav S., Kaushik R., Saxena A.K. and Arora D.K.	2011	Genetic and functional diversity of Bacillus strains in the soils long-term irrigated with paper and pulp mill effluent	<i>Journal of General and Applied Microbiology</i> 57(4): 183-195	6.94	13
120.	Saha S., Chakraborty D., Lata, Pal M. and Nagarajan S.	2011	Impact of elevated CO <sub>2</sub> on utilization of soil moisture and associated soil biophysical parameters in pigeon pea ( <i>Cajanus cajan</i> L.)	<i>Agriculture, Ecosystems and Environment</i> 142(3-4): 213-221	9.4	14
121.	Sharma P., Singh G. and Singh R.P.	2011	Conservation tillage, optimal water and organic nutrient supply enhance soil microbial activities during wheat ( <i>Triticum aestivum</i> L.) cultivation	<i>Brazilian Journal of Microbiology</i> 42(2): 531-542	6.59	14
122.	Tripathi B.M., Kaushik R., Kumari P., Saxena A.K. and Arora D.K.	2011	Genetic and metabolic diversity of streptomycetes in pulp and paper mill effluent treated crop fields	<i>World Journal of Microbiology and Biotechnology</i> 27(7): 1603-1613	7.78	14
123.	Sahay H., Singh S., Kaushik R., Saxena A.K. and Arora D.K.	2011	Characterization of halophilic bacteria from environmental samples from the brackish water of Pulicat Lake, India	<i>Biologia.</i> 66(5): 741-747	6.83	15
124.	Singh Y.V., Dhar Wattal Dolly and Agarwal B.	2011	Influence of organic nutrient management on basmati rice ( <i>Oryza sativa</i> )-wheat ( <i>Triticum aestivum</i> )-greengram ( <i>Vigna radiata</i> ) cropping system	<i>Indian J. Agronomy</i> 56: 169-175	5	16
125.	Sood A., Pabbi S. and Uniyal P.	2011	Effects of paraquat on lipid peroxidation and antioxidant enzymes in aquatic fern <i>Azolla microphylla</i>	<i>Russian Journal of Plant Physiology</i> 58(4): 667-673	6.95	17
126.	Vardhan S., Kaushik R., Saxena A.K. and Arora D.K.	2011	Restriction analysis and partial sequencing of the 16S rRNA gene as index for rapid identification of <i>Bacillus</i> species	<i>Antonie Van Leeuwenhoek</i> 99(2): 283-296	7.81	18
127.	Mageshwaran V., Walia S., Govindasamy V. and Annapurna K.	2011	Antibacterial activity of metabolite produced by <i>Paenibacillus polymyxa</i> strain HKA-15 against <i>Xanthomonas campestris</i> pv. phaseoli	<i>Indian Journal of Experimental Biology</i> 4 (3): 229-233	6.84	18



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128.	Gupta V., Natarajan C., Kumar K. and Prasanna R.	2011	Identification and characterization of endoglucanases for fungicidal activity in <i>Anabaena laxa</i> (Cyanobacteria)	<i>Journal of Applied Phycology</i> 23(1): 73-81	8.56	20
129.	Prasanna R., Pattnaik S., Sugitha T.C.K., Nain L. and Saxena A.K.	2011	Development of cyanobacterium-based biofilms and their in vitro evaluation for agriculturally useful traits	<i>Folia Microbiologica</i> 56(1): 49-58	7	23
130.	Singh B., Dutt N., Kumar D., Singh S. and Mahajan R.	2011	Taxonomy, Ethnobotany and Antimicrobial Activity of <i>Croton bonplandianum</i> , <i>Euphorbia hirta</i> and <i>Phyllanthus fraternus</i>	<i>J. Advances Dev. Res.</i> 2 (1)	NA	23
131.	Das M., Dhand C., Sumana G., Srivastava A.K., Nagarajan R., Nain L., Iwamoto M., Manaka T. and Malhotra B.D.	2011	Electrophoretic Fabrication of Chitosan-Zirconium-Oxide Nanobiocomposite Platform for Nucleic Acid Detection	<i>Biomacromolecules</i> 12(3): 540-547	11.75	25
132.	Manjunath M., Prasanna R., Sharma P., Nain L. and Singh R.	2011	Developing PGPR consortia using novel genera <i>Providencia</i> and <i>Alcaligenes</i> along with cyanobacteria for wheat	<i>Archives of Agronomy and Soil Science</i> 57(8): 873-887	6.55	27
133.	Chaudhary P., Sharma R., Singh S.B. and Nain L.	2011	Bioremediation of PAH by <i>Streptomyces</i> sp.	<i>Bulletin of Environmental Contamination and Toxicology</i> 86(3): 268-271	7.26	28
134.	Yadav S., Kaushik R., Saxena A.K. and Arora D.K.	2011	Diversity and phylogeny of plant growth-promoting bacilli from moderately acidic soil	<i>Journal of Basic Microbiology</i> 51(1): 98-106	7.82	54
135.	Dukare A.S., Prasanna R., Chandra Dubey S., Nain L., Chaudhary V., Singh R. and Saxena A.K.	2011	Evaluating novel microbe amended composts as biocontrol agents in tomato	<i>Crop Protection</i> 30(4): 436-442	7.49	55
136.	Rana A., Saharan B., Joshi M., Prasanna R., Kumar K. and Nain L.	2011	Identification of multi-trait PGPR isolates and evaluating their potential as inoculants for wheat	<i>Annals of Microbiology</i> 61(4): 893-900	6.99	61



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137.	Singh Y.V. and Dhar D.W.	2011	Changes in soil organic carbon and microbial population under organically managed rice ( <i>Oryza sativa</i> )-wheat ( <i>Triticum aestivum</i> )-greengram ( <i>Vigna radiata</i> ) cropping system	<i>Indian Journal of Agricultural Sciences</i> 81(4): 363-365	6.14	79
138.	Krishnan P., Ramakrishnan B., Reddy K.R. and Reddy V.R.	2011	High-temperature effects on rice growth, yield, and grain quality	<i>Advances in Agronomy</i> 111: 87-206	9.89	81
139.	Singh N.K. and Dhar D.W.	2011	Microalgae as second generation biofuel. A review	<i>Agronomy for Sustainable Development</i> 31(4): 605-629	9.99	82
140.	Subashchandrabose S.R., Ramakrishnan B., Megharaj M., Venkateswarlu K. and Naidu R.	2011	Consortia of cyanobacteria/microalgae and bacteria: Biotechnological potential	<i>Biotechnology Advances</i> 29(6): 896-907	15.02	110
141.	Megharaj M., Ramakrishnan B., Venkateswarlu K., Sethunathan N. and Naidu R.	2011	Bioremediation approaches for organic pollutants: A critical perspective	<i>Environment International</i> 37(8): 1362-1375	11.56	322
142.	Singh N.K., Borase D. and Dhar Wattal Dolly	2011	Diversity analysis of cyanobacteria from aquatic bodies	<i>Proc. Indian Natn. Sci. Acad.</i> 77: 351-371	3.93	-
143.	Ahmad I., Singh Y., Shivay Y., Nain L. and Pabbi S.	2011	Response to inoculation of nitrogen-fixing and phosphate-solubilising micro-organisms on growth and yield of basmati rice ( <i>Oryza sativa</i> L.)	<i>Ann. Agric. Res. New Ser.</i> 32(3&4): 77-82	-	-
144.	Chaudhary P., Pandey A.K., Singh S.B., Prasanna R., Chaudhry S. and Nain L.	2011	Evaluating the phenotypic and functional diversity of polycyclic aromatic hydrocarbon utilizing bacteria isolated from petroleum refinery soil	<i>Annals of Plant Protection Sciences</i> 19(1): 129-133	3.65	-
145.	Ahmad I., Singh Y.V., Shivay Y.S., Nain L. and Pabbi S.	2012	Relative response to inoculation of nitrogen-fixing and phosphate-solubilising micro-organisms on nutrient uptake of basmati rice and soil properties	<i>Pusa AgriScience</i> 34: 34-40	2.2	-



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146.	Sihi O., Sharma O., Pathak H., Singh V., Sharma O., Nain L., Chaudhary A. and Oari B.	2012	Effect of organic farming on productivity and quality of basmati rice	<i>ORYZA-An International Journal on Rice</i> 49(1): 24-29	4.12	1
147.	Khan M.A., Paul B., Paul S. and Aggarwal C.	2012	Bioefficacy of <i>Bacillus thuringiensis</i> subspecies and strains against <i>Spilarctia obliqua</i> (Walker)	<i>Annals of Plant Protection Sciences</i> 20(2): 361-364	3.65	2
148.	Verma S., Prasanna R., Saxena J., Sharma V. and Nain L.	2012	Deciphering the metabolic capabilities of a lipase producing <i>Pseudomonas aeruginosa</i> SL-72 strain	<i>Folia Microbiologica</i> 57(6): 525-531	7	2
149.	Suman A., Singh P. and Lal M.	2012	Effects of Diverse Habitat Biofertilizers on Yield and Nitrogen Balance in Plant-Ratoon Crop Cycle of Sugarcane in Subtropics	<i>Sugar Tech.</i> 15(1): 36-43	6.58	2
150.	Singh P., Rai R.K., Suman A., Srivastava T.K., Singh K.P. and Yadav R.L.	2012	Ratooning Induced Rhizospheric Changes Impede Nutrient Acquisition and Growth in Sugarcane Ratoon Crop During Grand Growth Stage in Sub-tropics	<i>Sugar Tech.</i> 15(1): 52-64	6.58	2
151.	Sood A., Kalra C., Pabbi S. and Uniyal P.L.	2012	Differential responses of hydrogen peroxide, lipid peroxidation and antioxidant enzymes in <i>Azolla microphylla</i> exposed to paraquat and nitric oxide	<i>Biologia</i> 67(6): 1119-1128	6.83	3
152.	Dadhich S.K., Pandey A.K., Prasanna R., Nain L. and Kaushik B.D.	2012	Optimizing crop residue-based composts for enhancing soil fertility and crop yield of rice	<i>Indian Journal of Agricultural Sciences</i> 82(1): 85-88	6.14	3
153.	Holajjer P., Kamra A., Gaur H.S. and Dhar D.W.	2012	In vitro nematicidal activity of a terrestrial cyanobacterium, <i>Synechococcus nidulans</i> , towards plant-parasitic nematodes	<i>Nematology</i> 14: 85-92	7.24	3
154.	Mageshwaran V., Mondal K.K., Kumar U. and Annapurna K.	2012	Role of antibiosis on suppression of bacterial common blight disease in French bean by <i>Paenibacillus polymyxa</i> strain HKA-15	<i>African Journal of Biotechnology</i> 11(60): 12389-12395	6.44	5



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155.	Pranaw K., Singh, S., Dutta, D., Ganguly, S., Saxena, A.K. and Nain, L.	2012	Role of environmental factors in phase shift of <i>Xenorhabdus</i> sp. SGchamp: An endosymbiont of <i>Steinernema thermophilum</i>	<i>Annals of Plant Protection Sciences</i> 20: 459-463	3.65	5
156.	Chakdar H. and Pabbi S.	2012	Extraction and purification of phycoerythrin from <i>Anabaena variabilis</i> (CCC421)	<i>Phykos</i> 42(1): 25-31	NA	5
157.	Sharma P., Singh G. and Singh R.P.	2012	Conservation tillage and optimal water supply enhance microbial enzyme (glucosidase, urease and phosphatase) activities in fields under wheat cultivation during various nitrogen management practices	<i>Archives of Agronomy and Soil Science</i> 59(7): 911-928	6.55	7
158.	Chaudhary P., Singh S.B., Chaudhry S. and Nain L.	2012	Impact of PAH on biological health parameters of soils of an Indian refinery and adjoining agricultural area-a case study	<i>Environmental Monitoring and Assessment</i> 184(2): 1145-1156	7.68	7
159.	Gupta V., Natarajan C., Chaudhary V., Kumar A., Sharma E., Sharma J., Bhatnagar A.K. and Prasanna R.	2012	Analyses of diversity among fungicidal <i>Anabaena</i> strains	<i>Journal of Applied Phycology</i> 24(6): 1395-1405	8.56	7
160.	Mondal K.K., Rajendran T.P., Phaneendra C., Mani C., Sharma J., Shukla R., Pooja, Verma G., Kumar R., Singh D., Kumar A., Saxena A.K. and Jain R.K.	2012	The reliable and rapid polymerase chain reaction (PCR) diagnosis for <i>Xanthomonas axonopodis</i> pv. <i>punicae</i> in pomegranate	<i>African Journal of Microbiology Research</i> 6(30): 5950-5956	4	8
161.	Natarajan C., Prasanna R., Gupta V., Dureja P. and Nain L.	2012	Characterization of the fungicidal activity of <i>Calothrix elenkinii</i> using chemical methods and microscopy	<i>Applied Biochemistry and Microbiology</i> 48(1): 51-57	6.74	8
162.	Thomas M., Pal K.K., Dey R., Saxena A.K. and Dave S.R.	2012	A novel haloarchaeal lineage widely distributed in the hypersaline marshy environment of Little and Great Rann of Kutch in India	<i>Current Science</i> 103(9): 1078-1084	6.93	8



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163.	Gupta V., Prasanna R., Chaudhary V. and Nain L.	2012	Biochemical, structural and functional characterization of two novel antifungal endoglucanases from <i>Anabaena laxa</i>	<i>Biocatalysis and Agricultural Biotechnology</i> 1(4): 338-347	-	9
164.	Chaudhary V., Prasanna R. and Bhatnagar A.K.	2012	Modulation of fungicidal potential of <i>Anabaena</i> strains by light and temperature	<i>Folia Microbiologica</i> 57(3): 199-208	7	9
165.	Triveni S., Prasanna R. and Saxena A.K.	2012	Optimization of conditions for in vitro development of <i>Trichoderma viride</i> -based biofilms as potential inoculants	<i>Folia Microbiologica</i> 57(5): 431-437	7	9
166.	Mageshwaran V., Walia S. and Annapurna K.	2012	Isolation and partial characterization of anti-bacterial lipopeptide produced by <i>Paenibacillus polymyxa</i> HKA-15 against phytopathogen <i>Xanthomonas campestris</i> pv. phaseoli M-5	<i>World Journal of Microbiology and Biotechnology</i> 28: 909-917	7.78	9
167.	Gupta V., Prasanna R., Srivastava A.K. and Sharma J.	2012	Purification and characterization of a novel antifungal endo-type chitosanase from <i>Anabaena fertilissima</i>	<i>Annals of Microbiology</i> 62(3): 1089-1098	6.99	10
168.	Yadav S.K., Katikala S., Yellisetty V., Kannepalle A., Narayana J.L., Maddi V., Mandapaka M., Shanker A.K., Bandi V. and Bharadwaja K.P.	2012	Optimization of <i>Agrobacterium</i> mediated genetic transformation of cotyledonary node explants of <i>Vigna radiata</i>	<i>Springer Plus</i> 1(1): 1-8	7.5	11
169.	Pandey A.K., Chaudhary P., Singh S.B., Arora A., Kumar K., Chaudhry S. and Nain L.	2012	Deciphering the traits associated with PAH degradation by a novel <i>Serratia marcescens</i> L-11 strain	<i>Journal of Environmental Science and Health Part a-Toxic/Hazardous Substances &amp; Environmental Engineering</i> 47(5): 755-765	7.16	12
170.	Abraham G. and Aeri V.	2012	A preliminary examination of the phytochemical profile of <i>Azolla microphylla</i> with respect to seasons	<i>Asian Pacific Journal of Tropical Biomedicine</i> 2(3, Supplement): S1392-S1395	-	13



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171.	Singhal S.K., Lal M., Nain L., Kabi S.R. and Mathur R.B.	2012	Synthesis of Cu/CNTs nanocomposites for antimicrobial activity	<i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> 3(4): 045011	-	14
172.	Meena K.K., Kumar M., Kalyuzhnaya M.G., Yandigeri M.S., Singh D.P., Saxena A.K. and Arora D.K.	2012	Epiphytic pink-pigmented methylotrophic bacteria enhance germination and seedling growth of wheat ( <i>Triticum aestivum</i> ) by producing phytohormone	<i>Antonie Van Leeuwenhoek</i> 101(4): 777-786	7.81	14
173.	Chakdar H., Jadhav S.D., Dhar D.W. and Pabbi S.	2012	Potential applications of blue green algae	<i>Journal of Scientific &amp; Industrial Research</i> 71(1): 13-20	6.5	14
174.	Ratha S.K., Prasanna R., Gupta V., Dhar D.W. and Saxena A.K.	2012	Bioprospecting and indexing the microalgal diversity of different ecological habitats of India	<i>World Journal of Microbiology &amp; Biotechnology</i> 28(4): 1657-1667	7.78	15
175.	Sahay H., Mahfooz S., Singh A.K., Singh S., Kaushik R., Saxena A.K. and Arora D.K.	2012	Exploration and characterization of agriculturally and industrially important haloalkaliphilic bacteria from environmental samples of hypersaline Sambhar lake, India	<i>World Journal of Microbiology &amp; Biotechnology</i> 28(11): 3207-3217	7.78	15
176.	Jha C.K., Annapurna K. and Saraf M.	2012	Isolation of Rhizobacteria from <i>Jatropha curcas</i> and characterization of produced ACC deaminase	<i>Journal of Basic Microbiology</i> 52(3): 285-295	7.82	17
177.	Chaudhary V., Prasanna R., Nain L., Dubey S.C., Gupta V., Singh R., Jaggi S. and Bhatnagar A.K.	2012	Bioefficacy of novel cyanobacteria-amended formulations in suppressing damping off disease in tomato seedlings	<i>World Journal of Microbiology &amp; Biotechnology</i> 28(12): 3301-3310	7.78	17
178.	Srinivasan R., Alagawadi A.R., Yandigeri M.S., Meena K.K. and Saxena A.K.	2012	Characterization of phosphate-solubilizing microorganisms from salt affected soils of India and their effect on growth of sorghum plants <i>Sorghum bicolor</i> (L.) Moench	<i>Annals of Microbiology</i> 62(1): 93-105	6.99	18
179.	Prasanna R., Nain L., Pandey A.K. and Saxena A.K.	2012	Microbial diversity and multidimensional interactions in the rice ecosystem	<i>Archives of Agronomy and Soil Science</i> 58(7): 723-744	6.55	18



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180.	Rana A., Saharan B., Nain L., Prasanna R. and Shivay Y.S.	2012	Enhancing micronutrient uptake and yield of wheat through bacterial PGPR consortia	<i>Soil Science and Plant Nutrition</i> 58(5): 573-582	7.6	20
181.	Pooniya V., Shivay Y.S., Rana A., Nain L. and Prasanna R.	2012	Enhancing soil nutrient dynamics and productivity of Basmati rice through residue incorporation and zinc fertilization	<i>European Journal of Agronomy</i> 41: 28-37	8.7	23
182.	Ngangkham M., Ratha S.K., Prasanna R., Saxena A.K., Dhar D.W., Sarika C. and Prasad R.B.N.	2012	Biochemical modulation of growth, lipid quality and productivity in mixotrophic cultures of <i>Chlorella sorokiniana</i>	<i>Springer Plus</i> 1(1): 1-13	7.5	26
183.	Ratha S.K. and Prasanna R.	2012	Bioprospecting microalgae as potential sources of “Green Energy” a Euro”challenges and perspectives (Review)	<i>Applied Biochemistry and Microbiology</i> 48(2): 109-125	6.74	31
184.	Prasanna R., Joshi M., Rana A., Shivay Y.S. and Nain L.	2012	Influence of co-inoculation of bacteria-cyanobacteria on crop yield and C-N sequestration in soil under rice crop	<i>World Journal of Microbiology &amp; Biotechnology</i> 28(3): 1223-1235	7.78	40
185.	Minaxi, Nain L., Yadav R.C. and Saxena J.	2012	Characterization of multi-faceted <i>Bacillus</i> sp. RM-2 for its use as plant growth promoting bioinoculant for crops grown in semi arid deserts	<i>Applied Soil Ecology</i> 59: 124-135	8.64	43
186.	Saritha M., Arora A. and Nain L.	2012	Pretreatment of paddy straw with <i>Trametes hirsuta</i> for improved enzymatic saccharification	<i>Bioresource Technology</i> 104: 459-465	10.49	45
187.	Upadhyay S.K., Singh J.S., Saxena A.K. and Singh D.P.	2012	Impact of PGPR inoculation on growth and antioxidant status of wheat under saline conditions	<i>Plant Biology</i> 14(4): 605-611	8.63	47
188.	Sood A., Uniyal P.L., Prasanna R. and Ahluwalia A.S.	2012	Phytoremediation potential of aquatic macrophyte, <i>Azolla</i>	<i>Ambio</i> 41(2): 122-137	8.29	73
189.	Saritha M., Arora A. and Nain L.	2012	Biological pretreatment of lignocellulosic substrates for enhanced delignification and enzymatic digestibility	<i>Indian Journal of Microbiology</i> 52(2): 122-130	6.9	77





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190.	Rana A., Joshi M., Prasanna R., Shivay Y.S. and Nain L.	2012	Biofortification of wheat through inoculation of plant growth promoting rhizobacteria and cyanobacteria	<i>European Journal of Soil Biology</i> 50: 118-126	7.72	80
191.	Djiroleu A., Arora A., Martin E., Smith J., Pelkki M. and Carrier D.	2012	Sugar recovery from the pretreatment/enzymatic hydrolysis of high and low specific gravity poplar clones	<i>Agric Food Anal Bacteriol</i> 2: 121-131	-	-
192.	Gaind S. and Nain L.	2012	Soil carbon dynamics in response to compost and poultry manure under rice ( <i>Oryza sativa</i> )-wheat ( <i>Triticum aestivum</i> ) crop rotation	<i>Indian Journal of Agricultural Sciences</i> 82(5): 410-415	6.14	-
193.	Mageshwaran V., Vital L.K. and Annapurna K.	2012	Suppression of common blight disease ( <i>Xanthomonas axonopodis</i> pv. <i>phaseoli</i> ) by a bacterial endophyte in soybean ( <i>Glycine max</i> )	<i>Indian Journal of Agricultural Sciences</i> 82(4): 388-390	6.14	-
194.	Bagul S.Y., Prasanna R. and Dhar D.W.	2012	Identification of efficient microalgal strains for growth potential and total lipids	<i>Ind. J. Plant Physiol.</i> 17(3-4): 203-206	4.66	-
195.	Gupta D.K., Gupta N., Prasad S., Khan S.A. and Singh Y.	2012	Quality assessment of treated effluent of mayapuri CETP for agricultural use	<i>International Journal of Agriculture Environment &amp; Biotechnology</i> 5(3): 207-214	4.1	-
196.	Ramakrishnan B.	2012	Microbial diversity and degradation of pollutants	<i>J. Bioremed Biodeg</i> 3: e128	-	-
197.	Kumar U., Singh S.D., Vithal K.L., Ramadoss D. and Annapurna K.	2012	Functional diversity of plant growth promoting rhizobacteria from endo-rhizosphere of aromatic rice	<i>Pusa AgriScience</i> 35: 103-108	2.2	-
198.	Singh R., Nain L. and Joshi H.	2012	Saccharification potential of Indian maize cultivars for biofuel production	<i>Vegetos</i> 25(1): 127-133	6	-
199.	Kumar M., Prasanna R., Lone S., Padaria J.C. and Saxena A.K.	2013	Cloning and expression of dnaK gene from <i>Bacillus pumilus</i> of hot water spring origin	<i>Applied &amp; Translational Genomics</i> 3: 14-20	-	1



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200.	Singh P., Suman A., Rai R.K., Singh K.P., Srivastava T.K., Arya N., Gaur A. and Yadav R.L.	2013	Bio-organic Amendment of Udic Ustochrept Soil for Minimizing Yield Decline in Sugarcane Ratoon Crops under Subtropical Conditions	<i>Communications in Soil Science and Plant Analysis</i> 44(12): 1849-1861	6.39	1
201.	Abraham G., Pandey N., Mishra V., Chaudhary A.A., Ahmad A., Singh R. and Singh P.	2013	Development of SCAR based molecular markers for identification of different species of <i>Azolla</i>	<i>Indian Journal of Biotechnology</i> 12: 489-492	6.39	1
202.	Ram V., Dhar D. and Abraham G.	2013	Physiological characterization of cyanobacterial isolates from Rann of Kutch	<i>Ind. J. Plant Physiol.</i> 18(1): 61-65	4.66	1
203.	Gaind S. and Singh Y.V.	2013	Soil organic carbon in relation to nutrient regimes and crop rotation under rice-based cropping system	<i>Journal of Crop Improvement</i> 27(2): 170-185	5.12	1
204.	Jaiswal P., Prasanna R. and Singh P.K.	2013	Physiological characterization and molecular profiling of toxic and non-toxic isolates of Cyanobacterium <i>Microcystis</i>	<i>Journal of Environmental Biology</i> 34(3): 555-560	6.56	1
205.	Reddy K., Sharma K. and Singh S.	2013	Attraction of the peach fruit fly <i>Bactrocera zonata</i> adults to the odours of symbiotic bacteria isolated from midgut	<i>Pesticide Research Journal</i> 25: 158-162	4.16	1
206.	Swarnalakshmi K., Dhar D.W., Senthilkumar M. and Singh P.	2013	Comparative performance of cyanobacterial strains on soil fertility and plant growth parameters in rice	<i>Vegetos</i> 26(2): 227-236	6	1
207.	Shukla M. and Dhar D.W.	2013	Biotechnological potentials of Microalgae: Past and present scenario	<i>Vegetos-An International Journal of Plant Research</i> 26(2s): 229-237	6	1
208.	Singh D., Yadav D.K., Sinha S., Mondal K.K., Singh G., Pandey R.R. and Singh R.	2013	Genetic diversity of iturin producing strains of <i>Bacillus</i> species antagonistic to <i>Ralstonia solanacearum</i> causing bacterial wilt disease in tomato	<i>African Journal of Microbiology Research</i> 7: 5459-5470	4	2
209.	Ngangkham M., Kumar Ratha S., Prasanna R., Kumar R., Babu S., Wattal Dhar D., Sarika C. and Prasad R.B.N.	2013	Substrate amendment mediated enhancement of the valorization potential of microalgal lipids	<i>Biocatalysis and Agricultural Biotechnology</i> 2: 240-246	-	2



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210.	Dey R., Pal K.K., Sherathia D., Dalsania T., Savsani K., Patel I., Sukhadiya B., Mandaliya M., Thomas M. and Ghorai S.	2013	Draft genome sequence of <i>Bacillus</i> sp. strain NSP2. 1, a nonhalophilic bacterium isolated from the salt marsh of the Great Rann of Kutch, India	<i>Genome Announcements</i> 1(5): e00909-00913	-	2
211.	Mishra B.K. and Nain L.	2013	Microbial activity during rice straw composting under co-inoculation of <i>Cellulomonas cellulans</i> and <i>Phanerochaete chrysosporium</i>	<i>International Journal of Chem. Tech. Research</i> 5: 795-801	-	2
212.	Biswas S., Marwaha S., Malhotra P.K., Wahi S.D., Dhar D.W. and Singh R.	2013	Building and Querying Microbial Ontology	<i>Procedia Technology</i> 10(0): 13-19	-	2
213.	Rathi M.S., Paul S. and Thakur J.K.	2013	Response of wheat to inoculation with mycorrhizae alone and combined with selected rhizobacteria including <i>Flavobacterium</i> sp. as a potential bioinoculant	<i>Journal of Plant Nutrition</i> 37(1): 76-86	6.49	3
214.	Chaudhary V., Prasanna R. and Bhatnagar A.K.	2013	Influence of phosphorus and pH on the fungicidal potential of <i>Anabaena</i> strains	<i>Journal of Basic Microbiology</i> 53(3): 201-213	7.82	4
215.	Bhatia K., Asrey R., Jha S., Singh S. and Kannaujia P.K.	2013	Influence of packaging material on quality characteristics of minimally processed Mridula pomegranate ( <i>Punica granatum</i> ) arils during cold storage	<i>The Indian Journal of Agricultural Sciences</i> 83(8): 872-876	6.14	4
216.	Das S., Krishnan P., Nayak M. and Ramakrishnan B.	2013	Changes in antioxidant isozymes as a biomarker for characterizing high temperature stress tolerance in rice ( <i>Oryza sativa</i> L.) spikelets	<i>Experimental Agriculture</i> 49(01): 53-73	7.08	5
217.	Pal K.K., Dey R., Sherathia D., Dalsania T., Savsani K., Patel I., Thomas M., Ghorai S., Vanpariya S. and Rupapara R.	2013	Draft genome sequence of <i>Salinibacillus aidingensis</i> strain MSP4, an obligate halophilic bacterium isolated from a salt crystallizer of the Rann of Kutch, India	<i>Genome Announcements</i> 1(4): e00253-00213	-	5
218.	Singh N. and Dhar D.	2013	Cyanotoxins, related health hazards on animals and their management: A Review	<i>The Indian Journal of Animal Sciences</i> 83(11): 1111-1127	6.14	5



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219.	Abraham G.	2013	Evaluation of antimicrobial activity of methanolic extracts of <i>Azolla microphylla</i>	<i>Vegetos-An International Journal of Plant Research</i> 26(1): 200-204	6	5
220.	Srinivasan R., Kumawat D.K., Kumar S. and Saxena A.K.	2013	Purification and characterization of a bacteriocin from <i>Lactobacillus rhamnosus</i> L34	<i>Annals of Microbiology</i> 63(1): 387-392	6.99	6
221.	Pal K.K., Dey R., Thomas M., Sherathia D., Dalsania T., Patel I., Savsani K., Ghorai S., Vanpariya S. and Sukhadiya B.	2013	Draft genome sequence of <i>Bacillus</i> sp. strain SB47, an obligate extreme halophile isolated from a salt pan of the Little Rann of Kutch, India	<i>Genome Announcements</i> 1(5): e00816-00813	-	6
222.	Natarajan C., Gupta V., Kumar K. and Prasanna R.	2013	Molecular characterization of a fungicidal endoglucanase from the cyanobacterium <i>Calothrix elenkinii</i>	<i>Biochemical Genetics</i> 51(9-10): 766-779	6.87	7
223.	Chaturvedi S., Kumar A., Singh B., Nain L., Joshi M. and Satya S.	2013	Bioaugmented composting of <i>Jatropha</i> de-oiled cake and vegetable waste under aerobic and partial anaerobic conditions	<i>Journal of Basic Microbiology</i> 53(4): 327-335	7.82	7
224.	Kumar M., Prasanna R., Bidyarani N., Babu S., Mishra B.K., Kumar A., Adak A., Jauhari S., Yadav K. and Singh R.	2013	Evaluating the plant growth promoting ability of thermotolerant bacteria and cyanobacteria and their interactions with seed spice crops	<i>Scientia Horticulturae</i> 164: 94-101	7.37	7
225.	Yadav S., Yadav S., Kaushik R., Saxena A.K. and Arora D.K.	2013	Genetic and functional diversity of fluorescent <i>Pseudomonas</i> from rhizospheric soils of wheat crop	<i>Journal of Basic Microbiology</i> 54: 425-437	7.82	8
226.	Pranaw K., Singh S., Dutta D., Singh N., Sharma G., Ganguly S., Kalia V. and Nain L.	2013	Extracellular novel metalloprotease from <i>Xenorhabdus indica</i> and its potential as an insecticidal agent	<i>Journal of Microbiology and Biotechnology</i> 23: 1536-1543	7.53	8
227.	Annapurna K., Ramadoss D., Bose P. and Vithal L.K.	2013	<i>In-situ</i> localization of <i>Paenibacillus polymyxa</i> HKA-15 in roots and root nodules of soybean ( <i>Glycine max.</i> L.)	<i>Plant Soil</i> 373: 641-648	8.95	8
228.	Triveni S., Prasanna R., Shukla L. and Saxena A.K.	2013	Evaluating the biochemical traits of novel <i>Trichoderma</i> -based biofilms for use as plant growth-promoting inoculants	<i>Annals of Microbiology</i> 63(3): 1147-1156	6.99	9



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229.	Gaind S.	2013	<i>Pseudomonas striata</i> for improving phosphorus availability in soil under pearl millet cultivation	<i>Journal of Crop Improvement</i> 27(3): 255-271	5.12	9
230.	Sharma R., Agrawal V.V., Srivastava A.K., Govind, Nain L., Imran M., Kabi S.R., Sinha R.K. and Malhotra B.D.	2013	Phase control of nano-structured iron oxide for application to biosensor	<i>Journal of Materials Chemistry B</i> 1(4): 464-474	10.73	11
231.	Prasanna R., Kumar A., Babu S., Chawla G., Chaudhary V., Singh S., Gupta V., Nain L. and Saxena A.K.	2013	Deciphering the biochemical spectrum of novel cyanobacterium-based biofilms for use as inoculants	<i>Biological Agriculture &amp; Horticulture</i> 29(3): 145-158	6.68	13
232.	Renuka N., Sood A., Ratha S.K., Prasanna R. and Ahluwalia A.S.	2013	Nutrient sequestration, biomass production by microalgae and phytoremediation of sewage water	<i>International Journal of Phytoremediation</i> 15(8): 789-800	7.74	13
233.	Sahay H., Babu B.K., Singh S., Kaushik R., Saxena A.K. and Arora D.K.	2013	Cold-active hydrolases producing bacteria from two different sub-glacial Himalayan lakes	<i>Journal of Basic Microbiology</i> 53(8): 703-714	7.82	13
234.	Prasanna R., Sharma E., Sharma P., Kumar A., Kumar R., Gupta V., Pal R.K., Shivay Y.S. and Nain L.	2013	Soil fertility and establishment potential of inoculated cyanobacteria in rice crop grown under non-flooded conditions	<i>Paddy and Water Environment</i> 11(1-4): 175-183	7.15	15
235.	Arora A., Martin E.M., Pelkki M.H. and Carrier D.J.	2013	Effect of formic acid and furfural on the enzymatic hydrolysis of cellulose powder and dilute acid-pretreated poplar hydrolysates	<i>ACS Sustainable Chemistry &amp; Engineering</i> 1(1): 23-28	NA	16
236.	Rakesh S., Saxena S., Dhar D.W., Prasanna R. and Saxena A.K.	2013	Comparative evaluation of inorganic and organic amendments for their flocculation efficiency of selected microalgae	<i>Journal of Applied Phycology</i> 26(1): 399-406	8.56	16
237.	Tiwari R., Singh S., Nain P.K.S., Rana S., Sharma A., Pranaw K. and Nain L.	2013	Harnessing the hydrolytic potential of phytopathogenic fungus <i>Phoma exigua</i> ITCC 2049 for saccharification of lignocellulosic biomass	<i>Bioresource Technology</i> 150: 228-234	10.49	17
238.	Prasanna R., Triveni S., Bidyarani N., Babu S., Yadav K., Adak A., Khetarpal S., Pal M., Shivay Y.S. and Saxena A.K.	2013	Evaluating the efficacy of cyanobacterial formulations and biofilmed inoculants for leguminous crops	<i>Archives of Agronomy and Soil Science</i> 60: 349-366	6.55	18



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239.	Singh R.J., Ahlawat I.P. and Singh S.	2013	Effects of transgenic Bt cotton on soil fertility and biology under field conditions in subtropical inceptisol	<i>Environmental Monitoring and Assessment</i> 185: 485-495	7.68	18
240.	Kundu A., Saha S., Walia S., Shakil N.A., Kumar J. and Annapurna K.	2013	Cadinene sesquiterpenes from <i>Eupatorium adenophorum</i> and their antifungal activity	<i>Journal of Environmental Science and Health Part B-Pesticides Food Contaminants and Agricultural Wastes</i> 48(6): 516-522	7.2	18
241.	Ratha S.K., Prasanna R., Prasad R.B.N., Sarika C., Dhar D.W. and Saxena A.K.	2013	Modulating lipid accumulation and composition in microalgae by biphasic nitrogen supplementation	<i>Aquaculture</i> 392: 69-76	7.88	19
242.	Rana S., Tiwari R., Arora A., Singh S., Kaushik R., Kumar Saxena A., Dutta S.C. and Nain L.	2013	Prospecting <i>Parthenium</i> sp. pretreated with <i>Trametes hirsuta</i> , as a potential bio-ethanol feedstock	<i>Biocatalysis and Agricultural Biotechnology</i> 2(2): 152-158	-	19
243.	Tiwari R., Rana S., Singh S., Arora A., Kaushik R., Agrawal V.V., Saxena A.K. and Nain L.	2013	Biological delignification of paddy straw and <i>Parthenium</i> sp. using a novel micromycete <i>Myrothecium roridum</i> LG7 for enhanced saccharification	<i>Bioresource Technology</i> 135: 7-11	10.49	19
244.	Prasanna R., Babu S., Rana A., Kabi S.R., Chaudhary V., Gupta V., Kumar A., Shivay Y.S., Nain L. and Pal R.K.	2013	Evaluating the establishment and agronomic proficiency of cyanobacterial consortia as organic options in wheat-rice cropping sequence	<i>Experimental Agriculture</i> 49(3): 416-434	7.08	19
245.	Ratha S.K., Babu S., Renuka N., Prasanna R., Prasad R.B.N. and Saxena A.K.	2013	Exploring nutritional modes of cultivation for enhancing lipid accumulation in microalgae	<i>Journal of Basic Microbiology</i> 53(5): 440-450	7.82	20
246.	Singh J., Roychoudhury A., Srivastava M., Chaudhary V., Prasanna R., Lee D.W., Lee S.H. and Malhotra B.D.	2013	Highly efficient bienzyme functionalized biocompatible nanostructured nickel ferrite-chitosan nanocomposite platform for biomedical application	<i>Journal of Physical Chemistry</i> 117(16): 8491-8502	10.77	21
247.	Swarnalakshmi K., Prasanna R., Kumar A., Pattnaik S., Chakravarty K., Shivay Y.S., Singh R. and Saxena A.K.	2013	Evaluating the influence of novel cyanobacterial biofilmed biofertilizers on soil fertility and plant nutrition in wheat	<i>European Journal of Soil Biology</i> 55: 107-116	7.72	22



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248.	Singh R.K., Kumar D.P., Solanki M.K., Singh P., Srivastva A.K., Kumar S., Kashyap P.L., Saxena A.K., Singhal P.K. and Arora D.K.	2013	Optimization of media components for chitinase production by chickpea rhizosphere associated <i>Lysinibacillus fusiformis</i> B-CM18	<i>Journal of Basic Microbiology</i> 53(5): 451-460	7.82	23
249.	Saritha M., Arora A., Singh S. and Nain L.	2013	<i>Streptomyces griseorubens</i> mediated delignification of paddy straw for improved enzymatic saccharification yields	<i>Bioresource Technology</i> 135: 12-17	10.49	24
250.	Saxena J., Chandra S. and Nain L.	2013	Synergistic effect of phosphate solubilizing rhizobacteria and arbuscular mycorrhiza on growth and yield of wheat plants	<i>Journal of Soil Science and Plant Nutrition</i> 13(2): 511-525	6.68	24
251.	Kumar M., Yadav A.N., Tiwari R., Prasanna R. and Saxena A.K.	2013	Deciphering the diversity of culturable thermotolerant bacteria from Manikaran hot springs	<i>Annals of Microbiology</i> 64: 741-751	6.99	25
252.	Chandna P., Nain L., Singh S. and Kuhad R.C.	2013	Assessment of bacterial diversity during composting of agricultural byproducts	<i>BMC Microbiology</i> 13: 1-14	8.5	27
253.	Pandey S., Singh S., Yadav A.N., Nain L. and Saxena A.K.	2013	Phylogenetic diversity and characterization of novel and efficient cellulase producing bacterial isolates from various extreme environments	<i>Bioscience Biotechnology and Biochemistry</i> 77(7): 1474-1480	7.06	33
254.	Prasanna R., Chaudhary V., Gupta V., Babu S., Kumar A., Singh R., Shivay Y.S. and Nain L.	2013	Cyanobacteria mediated plant growth promotion and bioprotection against Fusarium wilt in tomato	<i>European Journal of Plant Pathology</i> 136(2): 337-353	7.49	34
255.	Suryavanshi P., Singh Y.V., Prasanna R., Bhatia A. and Shivay Y.S.	2013	Pattern of methane emission and water productivity under different methods of rice crop establishment	<i>Paddy and Water Environment</i> 11(1-4): 321-329	7.15	37
256.	Ramadoss D., Lakkineni V.K., Bose P., Ali S. and Annapurna K.	2013	Mitigation of salt stress in wheat seedlings by halotolerant bacteria isolated from saline habitats	<i>Springer Plus</i> 2(1): 6	7.5	46
257.	Saritha M., Amat D., Choudhary J., Arora A. and Nain L.	2013	Novel perspectives for evolving enzyme cocktails for lignocellulose hydrolysis in biorefineries	<i>Sustainable Chemical Processes</i> 1(1): 15	-	46



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258.	Gupta V., Ratha S.K., Sood A., Chaudhary V. and Prasanna R.	2013	New insights into the biodiversity and applications of cyanobacteria (blue-green algae)-Prospects and challenges	<i>Algal Research</i> 2: 69-97	11.01	54
259.	Subashchandrabose S.R., Ramakrishnan B., Megharaj M., Venkateswarlu K. and Naidu R.	2013	Mixotrophic cyanobacteria and microalgae as distinctive biological agents for organic pollutant degradation	<i>Environment International</i> 51(0): 59-72	11.56	61
260.	Meena R.K., Singh Y.V., Bana R.S. and Nain L.	2013	Influence of plant growth promoting rhizobacteria on nutrient concentration and productivity of Basmati rice	<i>Ann. Agric. Res.</i> 34: 122-126	3.02	-
261.	Paul S., Paul B., Aslam Khan M., Aggarwal C., Thakur J. and Rathi M.	2013	Effects of lindane on lindane-degrading <i>Azotobacter chroococcum</i> ; evaluation of toxicity of possible degradation product(s) on plant and insect	<i>Bulletin of Environmental Contamination and Toxicology</i> 90(3): 351-356	7.26	-
262.	Meena R.K., Singh Y.V., Bana R.S. and Nain L.	2013	Effect of nitrogen, compost and plant growth promoting rhizobacteria on yield and nutrient uptake by rice ( <i>Oryza sativa</i> )	<i>Indian Journal of Agronomy</i> 58: 424-426	5	-
263.	Choudhry R.L., Kumar D., Shivay Y.S., Anand A. and Nain L.	2013	Yield and quality of rice ( <i>Oryza sativa</i> ) hybrids grown by SRI method with and without plant growth promoting rhizobacteria	<i>Indian Journal of Agronomy</i> 58: 430-433	5	-
264.	Kumar D., Kumar N., Pabbi S., Walia S. and Dhar D.W.	2013	Protocol optimization for enhanced production of pigments in <i>Spirulina</i>	<i>Ind. J. Plant Physiol.</i> 18(3): 308-312	4.66	-
265.	Ramakrishnan B.	2013	Fuelling the Microorganisms for Remediation	<i>J. Bioremed Biodeg</i> 4: e139	-	-
266.	Singh R.N., Kaushik R., Arora D.K. and Saxena A.K.	2013	Prevalence of opportunist pathogens in thermal springs of devotion	<i>Journal of Applied Sciences in Environmental Sanitation</i> 8(3): 195-203	-	-
267.	Ramakrishnan B.	2013	Anaerobic/Aerobic Microbial Degraders: Game Changers	<i>Journal of Bioremediation &amp; Biodegradation</i> 4: 5	-	-





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268.	Dukare A., Prasanna R., Nain L. and Saxena A.	2013	Optimization and evaluation of microbe fortified composts as biocontrol agents against phytopathogenic fungi	<i>Journal of Microbiology, Biotechnology and Food Sciences</i> 2(5): 2272-2276	-	-
269.	Verma P., Yadav A., Kazy S., Saxena A. and Suman A.	2013	Elucidating the diversity and plant growth promoting attributes of wheat ( <i>Triticum aestivum</i> ) associated acido-tolerant bacteria from southern hills zone of India	<i>Natl. J. Life Sci.</i> 10(2): 219-226	-	-
270.	Meena B.P., Kumar A., Dhar S. and Paul S.	2013	Nutrient uptake and quality of popcorn-potato sequence as influenced by sources and levels of nutrients	<i>Pusa AgriScience</i> 36: 45-53	2.2	-
271.	Bhakar R.N., Kumar R. and Pabbi S.	2013	Lipids and fatty acid profile of different <i>Spirulina</i> strains as affected by salinity and incubation time	<i>Vegetos</i> 26(Special): 148-154	6	-
272.	Borase D., Dhar D.W. and Singh N.K.	2013	Diversity indices and growth parameters of cyanobacteria from three lakes of Rajasthan	<i>Vegetos-An International Journal of Plant Research</i> 26(2): 377-383	6	-
273.	Chakdar H., Saha S. and Pabbi S.	2014	Chromatographic and spectroscopic characteri-zation of phycocyanin and its subunits purified from <i>Anabaena variabilis</i> CCC421	<i>Applied Biochemistry and Microbiology</i> 50(1): 62-68	6.74	1
274.	Bhakar R., Brahmdutt B. and Pabbi S.	2014	Total lipid accumulation and fatty acid profiles of microalga <i>Spirulina</i> under different nitrogen and phosphorus concentrations	<i>Egyptian Journal of Biology</i> 16(1): 57-62	6.27	1
275.	Suman A. and Pandey D.	2014	Patent trends in ICAR institutes: a review	<i>Journal of Intellectual Property Rights</i> 19: 260-265	4	1
276.	Pandey S., Tiwari R., Singh S., Nain L. and Saxena A.	2014	Evaluation of $\beta$ -1, 4-endo-glucanases produced by bacilli isolated from paper and pulp mill effluents irrigated soil	<i>Journal of Microbiology and Biotechnology</i> 24(8): 1073-1080	7.53	1



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277.	Prasanna R., Kumar R., Ratha S.K. and Nain N.	2014	Cyanobacterial diversity and niche adaptation in lignocellulosic substrates	<i>Phykos</i> 44: 33-40	-	1
278.	Paul S., Bandeppa C.A., Thakur J.K., Rathi M.S. and Khan M.A.	2014	Effect of salt on growth and plant growth promoting activities of <i>Azotobacter chroococcum</i> isolated from saline soils	<i>Environment and Ecology</i> 32(4): 1255-1259	4.09	2
279.	Rajawat M.V.S., Singh S. and Saxena A.K.	2014	A new spectrophotometric method for quantification of potassium solubilized by bacterial cultures	<i>Indian Journal of Experimental Biology</i> 52: 261-266	6.84	2
280.	Choudhary J., Saritha M., Nain L. and Arora A.	2014	Enhanced saccharification of steam-pretreated rice straw by commercial cellulases supplemented with xylanase	<i>J. Bioprocess Biotech.</i> 4(188): 7	-	2
281.	Singh A., Singh R.V., Saxena A.K., Shivay Y.S. and Nain L.	2014	Comparative studies on composting efficiency of <i>Eisenia foetida</i> (Savigny) and <i>Perionyx excavatus</i> (Perrier)	<i>Journal of Experimental Biology and Agaricultural Sciences</i> 2: 508-517	-	2
282.	Singh A., Kumar K., Pandey A., Sharma A., Singh S., Kumar K., Arora A. and Nain L.	2014	Pyrene degradation by biosurfactant producing bacterium <i>Stenotrophomonas maltophilia</i>	<i>Agricultural Research</i> 4: 42-47	5.88	3
283.	Shukla L., Senapati A., Tyagi S. and Saxena A.	2014	Economically viable mass production of lignocellulolytic fungal inoculum for rapid degradation of agrowaste	<i>Current Science</i> 107: 1701-1704	6.93	3
284.	Aggarwal C., Paul S., Paul B., Khan M.A. and Tyagi S.P.	2014	A modified semi-synthetic diet for bioassay of non-sporeforming entomopathogenic bacteria against <i>Spodoptera litura</i>	<i>Biocontrol Science and Technology</i> 24(10): 1202-1205	6.94	4
285.	Tripathi B.M., Kumari P., Weber K.P., Saxena A.K., Arora D.K. and Kaushik R.	2014	Influence of long term irrigation with pulp and paper mill effluent on the bacterial community structure and catabolic function in soil	<i>Indian Journal of Microbiology</i> 54: 65-73	6.9	4
286.	Reddy K., Sharma K. and Singh S.	2014	Attractancy potential of culturable bacteria from the gut of peach fruit fly, <i>Bactrocera zonata</i> (Saunders)	<i>Phytoparasitica</i> 42: 691-698	6.9	4



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287.	Chinnasamy S., Sood A., Renuka N., Prasanna R., Ratha S.K., Bhaskar S., Rengasamy R. and Lewis D.M.	2014	Ecobiological aspects of algae cultivation in wastewaters for recycling of nutrients and biofuel applications	<i>Biofuels</i> 5(2): 141-158	-	5
288.	Thakur J.K., Paul S., Dureja P., Annapurna K., Padaria J.C. and Gopal M.	2014	Degradation of sulphonated Azo dye red HE7B by <i>Bacillus</i> sp. and elucidation of degradative pathways	<i>Current Microbiology</i> 69: 183-191	7.42	5
289.	Gaind S.	2014	Effect of fungal consortium and animal manure amendments on phosphorus fractions of paddy-straw compost	<i>International Biodeterioration &amp; Biodegradation</i> 94(0): 90-97	8.13	5
290.	Pranaw K., Singh S., Dutta D., Chaudhury S., Ganguly S. and Nain L.	2014	Biodegradation of dimethyl phthalate by an entomopathogenic nematode symbiont <i>Xenorhabdus indica</i> strain KB-3	<i>International Biodeterioration &amp; Biodegradation</i> 89: 23-28	8.13	5
291.	Kumar M., Yadav A.N., Tiwari R., Prasanna R. and Saxena A.K.	2014	Evaluating the diversity of culturable thermotolerant bacteria from four hot springs of India	<i>Journal of Biodiversity, Bioprospecting and Development</i> 1: 127	-	6
292.	Singh S., Pranaw K., Singh B., Tiwari R. and Nain L.	2014	Production, optimization and evaluation of multicomponent holocellulase produced by <i>Streptomyces</i> sp. ssr-198	<i>Journal of the Taiwan Institute of Chemical Engineers</i> 45: 2379-2386	8.9	7
293.	Pandey S., Kushwah J., Tiwari R., Kumar R, Somvanshi V.S., Nain L. and Saxena A.K.	2014	Cloning and expression of $\beta$ -1, 4-endoglucanase gene from <i>Bacillus subtilis</i> isolated from soil long term irrigated with effluents of paper and pulp mill	<i>Microbiological Research</i> 169: 693-698	8.56	7
294.	Mahajan C., Chadha B., Nain L. and Kaur A.	2014	Evaluation of glycosyl hydrolases from thermophilic fungi for their potential in bioconversion of alkali and biologically treated <i>Parthenium hysterophorus</i> weed and rice straw into ethanol	<i>Bioresource Technology</i> 163: 300-307	10.49	8
295.	Sharma A., Sharma R., Arora A., Shah R., Singh A., Pranaw K. and Nain L.	2014	Insights into rapid composting of paddy straw augmented with efficient microorganism consortium	<i>International Journal of Recycling of Organic Waste in Agriculture</i> 3: 54	-	8



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296.	Singh S. and Nain L.	2014	Microorganisms in the conversion of agricultural wastes to compost	<i>Proceedings of the Indian National Science Academy</i> 80(2): 473-481	3.93	8
297.	Yadav R., Abraham G., Singh Y. and Singh P.	2014	Recent advancements in the utilization of <i>Azolla-anabaena</i> system in relation to sustainable agricultural practices	<i>Proceedings of the Indian National Science Academy</i> 80(2): 1-15	3.93	8
298.	Tiwari R., Singh S., Singh N., Adak A., Rana S., Sharma A., Arora A. and Nain L.	2014	Unwrapping the hydrolytic system of the phytopathogenic fungus <i>Phoma exigua</i> by secretome analysis	<i>Process Biochemistry</i> 49: 1630-1636	8.52	8
299.	Tiwari R., Singh S., Shukla P. and Nain L.	2014	Novel cold temperature active $\beta$ -glucosidase from <i>Pseudomonas lutea</i> BG8 suitable for simultaneous saccharification and fermentation	<i>RSC Advances</i> 4: 58108-58115	9.84	8
300.	Pandiyan K., Tiwari R., Singh S., Nain P.K., Rana S., Arora A., Singh S.B. and Nain L.	2014	Optimization of enzymatic saccharification of alkali pretreated <i>Parthenium</i> sp. using Response Surface Methodology	<i>Enzyme Research</i> Article ID 764898	-	10
301.	Rani V., Mohanram S., Tiwari R., Nain L. and Arora A.	2014	Beta-Glucosidase: Key enzyme in determining efficiency of cellulase and biomass hydrolysis	<i>J. Bioprocess Biotech.</i> 5(197): 2	-	11
302.	Renuka N., Sood A., Prasanna R. and Ahluwalia A.S.	2014	Influence of seasonal variation in water quality on the microalgal diversity of sewage wastewater	<i>South African Journal of Botany</i> 90: 137-145	6.98	11
303.	Das T., Bhattacharyya R., Sudhishri S., Sharma A., Saharawat Y., Bandyopadhyay K., Sepat S., Bana R., Singh, G., Aggarwal P. and Sharma R.	2014	Conservation agriculture in an irrigated cotton-wheat system of the western Indo-Gangetic Plains: Crop and water productivity and economic profitability	<i>Field Crops Research</i> 158: 24-33	8.98	16
304.	Yadav A.N., Verma P., Kumar M., Pal K.K., Dey R., Gupta A., Padaria J.C., Gujar G.T., Kumar S. and Suman A.	2014	Diversity and phylogenetic profiling of niche-specific Bacilli from extreme environments of India	<i>Annals of Microbiology</i> 1-19	6.99	18



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305.	Verma P., Yadav A.N., Kazy S.K., Saxena A.K. and Suman A.	2014	Evaluating the diversity and phylogeny of plant growth promoting bacteria associated with wheat ( <i>Triticum aestivum</i> ) growing in central zone of India	<i>Int. J. Curr. Microbiol Appl. Sci.</i> 3: 432-447	-	18
306.	Pandiyan K., Tiwari R., Rana S., Arora A., Singh S., Saxena A. and Nain L.	2014	Comparative efficiency of different pretreatment methods on enzymatic digestibility of <i>Parthenium</i> sp.	<i>World Journal of Microbiology and Biotechnology</i> 30: 55-64	7.78	20
307.	Das S., Krishnan P., Nayak M. and Ramakrishnan B.	2014	High temperature stress effects on pollens of rice ( <i>Oryza sativa</i> L.) genotypes	<i>Environmental and Experimental Botany</i> 101: 36-46	9.36	25
308.	Shukla M., Singh R. and Dhar D.W.	2014	Effect of Environmental Variables on the Selection of High Lipid Yielding Microalgae	<i>American Journal of Biomass and Bioenergy</i> 3(2): 83-94	-	-
309.	Baghel J., Singh Y., Abraham G., Kumar D. and Gupta N.	2014	Influence of nitrogen sources and varieties on nitrogen and micronutrients uptake in aerobic rice ( <i>Oryza sativa</i> )	<i>Ann. Agric. Research</i> 35: 1-7	3.02	-
310.	Kumar D., Kumar N., Pabbi S., Walia S. and Dhar W.D.	2014	Morphological parameters and selected growth attributes in <i>Spirulina</i> strains	<i>Annals of Biology</i> 30: 400-408	2.98	-
311.	Joseph A.R., Kavimandan S.K., Tilak K.V. and Nain L.	2014	Response of canola and wheat to amendment of pyrite and sulphur-oxidizing bacteria in soil	<i>Archives of Agronomy and Soil Science</i> 60(3): 367-375	6.55	-
312.	Pranaw K., Singh S., Dutta D., Chaudhuri S., Ganguly S. and Nain L.	2014	Statistical optimization of media components for pro-duction of fibrinolytic alkaline metalloproteases from <i>Xenorhabdus indica</i> KB-3	<i>Biotechnology Research International</i> Article ID 293434	-	-
313.	Meena R.K., Singh Y.V., Nain L., Kumar A. and Bana R.S.	2014	Effect of plant-growth-promoting rhizobacteria inoculation on plant growth, productivity and economics of Basmati rice	<i>Egyptian J. Biology</i> 16: 44-50	6.27	-



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314.	Meena R.K., Singh Y.V., Nain L., Kaur C. and Bana R.S.	2014	Influence of plant growth-promoting rhizobacteria inoculation on nutrient availability, soil microbial properties and defence enzymes in rice crop	<i>Indian J. Agric. Science</i> 84: 761-764	6.14	-
315.	Singh A., Kumar S., Singh Y.V. and Bhatia A.	2014	Carbon sequestration and yield of rice ( <i>Oryza sativa</i> )- wheat ( <i>Triticum aestivum</i> ) soils amended with different manures and tillage practices	<i>Indian J. Agronomy</i> 59: 215-220	5	-
316.	Jadhav T., Kumar D., Singh Y.V., Anand A., Prajapat K. and Singh N.	2014	Effect of different combinations of phosphorus and zinc levels and their mode of application on nutrient concentration, uptake and grain quality of aerobic rice	<i>Indian Journal of Fertilisers</i> 10: 38-44	3.78	-
317.	Singh A., Kumar S., Singh Y. and Bhatia A.	2014	Productivity of soils amended with different organic manures and tillage practices in rice-wheat system	<i>Journal of Crop and Weed</i> 10(1): 37-41	3.59	-
318.	Singh N.K. and Dhar D.W.	2014	Diversity analysis of geographically isolated strains of <i>Spirulina</i> and related genera	<i>Journal of Environmental Biology</i> 35(1): 197	6.56	-
319.	Bhakar R.N., Kumar R, Elumalai S. and Pabbi S.	2014	Lipid biosynthesis and fatty acid characterization in selected <i>Spirulina</i> strains under different cultivation systems	<i>Journal of Pure and Applied Microbiology</i> 8(6): 4881-4888	6	-
320.	Singh D., Meena R.P., Taria S. and Singh G.	2014	Assess the role of exopolysaccharide (EPS) producing bacteria in soil moisture stress alleviation	<i>Journal of Pure and Applied Microbiology</i> 8(6): 4701-4710	6	-
321.	Singh D., Meena R.P., Taria S. and Singh G.	2014	Biochemical and physiological basis of AMF-host association in horticultural crops	<i>Journal of Pure and Applied Microbiology</i> 8(6): 4609-4622	6	-



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322.	Singh D., Meena R.P., Taria S. and Singh G.	2014	Microbial phytotoxins as bioherbicide	<i>Journal of Pure and Applied Microbiology</i> 8(6): 4939-4946	6	-
323.	Dadhich S.K., Nain L. and Kaushik B.D.	2014	Recycling of crop wastes to compost with a consortium of efficient biodegrading microorganisms	<i>Journal of Pure and Applied Microbiology</i> 8: 659-664	6	-
324.	Kumar C., Dhar D.W. and Kumar D.	2014	Evaluation of pigment production by new strains of <i>Haematococcus</i>	<i>Journal of Pure and Applied Microbiology</i> 7: 1-4	6	-
325.	Moharana P., Biswas D., Patra A., Datta S., Singh R., Nain L. and Bandyopadhyay K.	2014	Soil Nutrient Availability and Enzyme Activities under Wheat-Green gram Crop Rotation as Affected by Rock Phosphate Enriched Compost and Inorganic Fertilizers	<i>Journal of the Indian Society of Soil Science</i> 62(3): 224-234	4.95	-
326.	Kumar U., Aggarwal C., Paul S. and Annapurna K.	2014	Endophytes as biocontrol agents of plant pathogens and insects	<i>Kavaka</i> 41: 92-95	-	-
327.	Saha S., Singh Y.V., Gaiind S. and Kumar D.	2014	Water productivity and nutrient status of rice soil in response to cultivation techniques and nitrogen fertilization	<i>Paddy and Water Environment</i> DOI: 10.1007/s10333-014-0462-y	7.15	-
328.	Kumari P., Kaushik R., Tripathi B.M., Singh R.N. and Saxena A.K.	2014	Genetic and metabolic profiling of pentachlorophenol utilizing bacteria from agricultural soil irrigated with pulp and paper mill effluent	<i>The Indian Journal of Agricultural Sciences</i> 84(1): 124-130	6.14	-
329.	Barman P., Singh S.K., Patel V.B., Nain L. and Pandey A.	2015	Cleopatra mandarin ( <i>Citrus reshni</i> Hort. Ex Tan.) modulate physiological mechanisms to tolerate drought stress due to arbuscular mycorrhizal fungi and mycorrhizal helper bacteria	<i>African Journal of Microbiology Research</i> 9(18): 1236-1246	4	1



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330.	Govindasamy V., Senthilkumar M. and Annapurna K.	2015	Effect of mustard rhizobacteria on wheat growth promotion under cadmium stress: characterization of <i>acdS</i> gene coding ACC deaminase	<i>Annals of Microbiology</i> 65(3): 1679-1687	6.99	1
331.	Gaind S. and Singh Y.V.	2015	Relative efficiency of fertilization practices to improve productivity and Phosphorus balance in Rice-Wheat cropping system	<i>Journal of Crop Improvement</i> 29(1): 23-39	5.12	1
332.	Gaind S. and Singh Y.V.	2015	Soil organic phosphorus fractions in response to long-term fertilization with composted manures under rice wheat cropping system	<i>Journal of Plant Nutrition</i>	6.49	1
333.	Gaind S. and Nain L.	2015	Soil-Phosphorus Mobilization Potential of Phytate Mineralizing Fungi	<i>Journal of Plant Nutrition</i> 38(14): 2159-2175	6.49	1
334.	Sharma S., Singh Y., Tyagi S. and Bhatia A.	2015	Influence of rice varieties, nitrogen management and planting methods on methane emission and water productivity	<i>Paddy and Water Environment</i> DOI: 10.1007/s10333-10015-10502-10332	7.15	1
335.	Shahane A., Singh Y., Prasanna R., Chakraborty D. and Kumar D.	2015	Influence of cyanobacterial inoculants and planting methods of rice ( <i>Oryza sativa</i> ) on soil microbial parameters, aggregation and carbon content	<i>The Indian Journal of Agricultural Sciences</i> 85(5): 734-737	6.14	1
336.	Sanyal S.K., Dwivedi B.S., Singh V.K., Majumdar K., Datta S.C., Pattanayak S.K. and Annapurna K.	2015	Phosphorus in relation to dominant cropping sequences in India: chemistry, fertility relations and management options	<i>Current Science</i> 108: 1262-1270	6.93	2
337.	Chaudhary P., Sahay H., Sharma R., Pandey A.K., Singh S.B., Saxena A. and Nain L.	2015	Identification and analysis of polyaromatic hydrocarbons (PAHs)—biodegrading bacterial strains from refinery soil of India	<i>Environmental Monitoring and Assessment</i> 187: DOI: 10.1007/s10661-10015-14617-10660	7.68	2





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338.	Rai S., Singh D.K. and Annapurna K.	2015	Dynamics of soil diazotrophic community structure, diversity, and functioning during the cropping period of cotton ( <i>Gossypium hirsutum</i> )	<i>Journal of Basic Microbiology</i> 55(1): 62-73	7.82	2
339.	Prasanna R., Adak A., Verma S., Bidyarani N., Babu S., Pal M., Shivay Y.S. and Nain L.	2015	Cyanobacterial inoculation in rice grown under flooded and SRI modes of cultivation elicits differential effects on plant growth and nutrient dynamics	<i>Ecological Engineering</i> 84: 532-541	8.58	3
340.	Rakesh S., Dhar D.W., Prasanna R., Saxena A.K., Saha S., Shukla M. and Sharma K.	2015	Cell disruption methods for improving lipid extraction efficiency in unicellular microalgae	<i>Engineering in Life Sciences</i> 15(4): 443-447	8.49	3
341.	Babu S., Bidyarani N., Chopra P., Monga D., Kumar R., Prasanna R., Kranthi S. and Saxena A.K.	2015	Evaluating microbe-plant interactions and varietal differences for enhancing biocontrol efficacy in root rot disease challenged cotton crop	<i>European Journal of Plant Pathology</i> 142(2): 345-362	7.49	3
342.	Aggarwal C., Paul S., Tripathi V., Paul B. and Khan M.A.	2015	Chitinolytic activity in <i>Serratia marcescens</i> (strain SEN) and potency against different larval instars of <i>Spodoptera litura</i> with effect of sublethal doses on insect development	<i>Bio Control</i> 60(5): 631-640	7.69	4
343.	Triveni S., Prasanna R., Kumar A., Bidyarani N., Singh R. and Saxena A.K.	2015	Evaluating the promise of <i>Trichoderma</i> and <i>Anabaena</i> based biofilms as multifunctional agents in <i>Macrophomina phaseolina</i> -infected cotton crop	<i>Biocontrol Science and Technology</i> 25(6): 656-670	6.94	4
344.	Sharma A., Singh P., Kumar S., Kashyap P.L., Srivastava A.K., Chakdar H., Singh R.N., Kaushik R., Saxena A. and Sharma A.K.	2015	Deciphering diversity of salt-tolerant Bacilli from saline soils of eastern Indo-gangetic plains of India	<i>Geomicrobiology Journal</i> 32(2): 170-180	7.44	4
345.	Singh A., Singh D.P., Tiwari R., Kumar K., Singh R.V., Singh S., Prasanna R., Saxena A.K. and Nain L.	2015	Taxonomic and functional annotation of gut bacterial communities of <i>Eisenia foetida</i> and <i>Perionyx excavatus</i>	<i>Microbiological Research</i> 175(0): 48-56	8.56	4



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346.	Archna S., Priyank V., Nath Y.A. and Kumar S.A.	2015	Bioprospecting for extracellular hydrolytic enzymes from culturable thermotolerant bacteria isolated from Manikaran thermal springs	<i>Research Journal of Biotechnology</i> 10: 4	6.28	4
347.	Bhattacharyya R., Das T.K., Sudhishri S., Dudwal B., Sharma A.R., Bhatia A. and Singh G.	2015	Conservation agriculture effects on soil organic carbon accumulation and crop productivity under a rice-wheat cropping system in the western Indo-Gangetic Plains	<i>European Journal of Agronomy</i> 70:11-21	8.7	5
348.	Bidyarani N., Prasanna R., Chawla G, Babu S. and Singh R.	2015	Deciphering the factors associated with the colonization of rice plants by cyanobacteria	<i>Journal of Basic Microbiology</i> 55(4): 407-419	7.82	5
349.	Singh S., Tiwari R., Renuse S., Pranaw K. and Nain L.	2015	Proteomic analysis of <i>Streptomyces</i> sp. ssr-198 grown on paddy straw	<i>Journal of Basic Microbiology</i> 55(6): 790-797	7.82	5
350.	Malla F.A., Khan S.A., Sharma G.K., Gupta N. and Abraham G.	2015	Phycoremediation potential of <i>Chlorella minutissima</i> on primary and tertiary treated wastewater for nutrient removal and biodiesel production	<i>Ecological Engineering</i> 75: 343-349	8.58	6
351.	Tiwari R., Nain P.K.S., Singh S., Adak A., Saritha M., Rana S., Sharma A. and Nain L.	2015	Cold active holocellulase cocktail from <i>Aspergillus niger</i> SH3: process optimization for production and biomass hydrolysis	<i>Journal of the Taiwan Institute of Chemical Engineers</i> 56: 57-66	8.9	6
352.	Gaind S. and Singh S.	2015	Production, purification and characterization of neutral phytase from thermotolerant <i>Aspergillus flavus</i> ITCC 6720	<i>International Biodeterioration &amp; Biodegradation</i> 99(0): 15-22	8.13	7
353.	Priya H., Prasanna R., Ramakrishnan B., Bidyarani N., Babu S., Thapa S. and Renuka N.	2015	Influence of cyanobacterial inoculation on the culturable microbiome and growth of rice	<i>Microbiological Research</i> 171(0): 78-89	8.56	7
354.	Verma S., Sharma A., Kumar R., Kaur C., Arora A., Shah R. and Nain L.	2015	Improvement of antioxidant and defense properties of Tomato (var. Pusa Rohini) by application of bioaugmented compost	<i>Saudi Journal of Biological Sciences</i> 22: 256-264	7.7	7



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355.	Yadav A.N., Sharma D., Gulati S., Singh S., Dey R., Pal K.K., Kaushik R. and Saxena A.K.	2015	Haloarchaea endowed with Phosphorus solubilization attribute implicated in Phosphorus cycle	<i>Scientific Reports</i> 5: 12293	11.58	7
356.	Saritha M., Rajan K., Carrier D.J., Nain L. and Arora A.	2015	Insights into biological delignification of rice straw by <i>Trametes hirsuta</i> and <i>Myrothecium roridum</i> and comparison of saccharification yields with dilute acid pretreatment	<i>Biomass and Bioenergy</i> 76: 54-60	9.39	10
357.	Rana A., Kabi S.R., Verma S., Adak A., Pal M., Shivay Y.S., Prasanna R. and Nain L.	2015	Prospecting plant growth promoting bacteria and cyanobacteria as options for enrichment of macro- and micronutrients in grains in rice-wheat cropping sequence	<i>Cogent Food &amp; Agriculture</i> 1(1): 1037379	-	10
358.	Verma P., Yadav A.N., Khannam K.S., Panjiar N., Kumar S., Saxena A.K. and Suman A.	2015	Assessment of genetic diversity and plant growth promoting attributes of psychrotolerant bacteria allied with wheat ( <i>Triticum aestivum</i> ) from the northern hills zone of India	<i>Annals of Microbiology</i> 65(4): 1885-1899	6.99	14
359.	Prasanna R., Bidyarani N., Babu S., Hossain F., Shivay Y.S. and Nain L.	2015	Cyanobacterial inoculation elicits plant defense response and enhanced Zn mobilization in maize hybrids	<i>Cogent Food &amp; Agriculture</i> 1: 998507	-	16
360.	Yadav A.N., Sachan S.G., Verma P., Tyagi S.P., Kaushik R. and Saxena A.K.	2015	Culturable diversity and functional annotation of psychrotrophic bacteria from cold desert of Leh Ladakh (India)	<i>World Journal of Microbiology and Biotechnology</i> 31(1): 95-108	7.78	16
361.	Yadav A.N., Sachan S.G., Verma P. and Saxena A.K.	2015	Prospecting cold deserts of north western Himalayas for microbial diversity and plant growth promoting attributes	<i>Journal of Bioscience and Bioengineering</i> 119: 683-693	7.88	19
362.	Sahai R., Saxena A.K. and Tilak K.V.B.R.	2015	Effect of <i>Gluconacetobacter diazotrophicus</i> on Sweet Sorghum ( <i>Sorghum bicolor</i> ) in Tropical Semi-arid Soil	<i>Agricultural Research</i> 4(4): 347-353	5.88	-



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363.	Aggarwal C., Paul S., Tripathi V., Paul B. and Khan M.A.	2015	Chitinase producing <i>Serratia marcescens</i> for biocontrol of <i>Spodoptera litura</i> (Fab) and studies on its chitinolytic activities	<i>Annals of Agricultural Research</i> 36: 132-137	3.02	-
364.	Rani V., Dash S., Nain L. and Arora A.	2015	Expression of novel glucose tolerant $\beta$ -glucosidase on cell surface by <i>Rhodotorula glutinis</i> isolate	<i>Biocatalysis and Agricultural Biotechnology</i> doi:10.1016/j.bcab.2015.1006.1004	-	-
365.	Babu S., Prasanna R., Bidyarani N., Nain L. and Shivay Y.S.	2015	Synergistic action of PGP agents and <i>Rhizobium</i> spp. for improved plant growth, nutrient mobilization and yields in different leguminous crops	<i>Biocatalysis and Agricultural Biotechnology</i> 4(4): 456-464	-	-
366.	Sharma P., Singh G., Singh R.P. and Sharma K.	2015	Integrated resource management improves soil glucosidase, urease, and phosphatase activities and soil fertility during rice cultivation in Indo-Gangetic plains	<i>Cogent Food &amp; Agriculture</i> 1(1): 1030905	-	-
367.	Singh G., Kumar D. and Sharma P.	2015	Effect of organics, biofertilizers and crop residue application on soil microbial activity in rice-wheat and rice-wheat mungbean cropping systems in the Indo-Gangetic plains	<i>Cogent Geoscience</i> 1(1): 1085296	-	-
368.	Singh P., Rai R.K., Suman A., Srivastava T.K., Singh K.P., Arya N. and Yadav R.L.	2015	Soil-Root Interface Changes in Sugarcane Plant and Ratoon Crops under Subtropical Conditions: Implications for Dry-Matter Accumulation	<i>Communications in Soil Science and Plant Analysis</i> 46(4): 454-475	6.39	-
369.	Paul S., Aggarwal C., Thakur J.K., Bandeppa G., Khan M.A., Pearson L.M., Babnigg G., Giometti C.S., Joachimiak A.	2015	Induction of Osmoadaptive Mechanisms and Modulation of Cellular Physiology Help <i>Bacillus licheniformis</i> Strain SSA 61 Adapt to Salt Stress	<i>Current Microbiology</i> 70(4): 610-617	7.42	-



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370.	Sharma P., Singh G., Sarkar S.K. and Singh R.P.	2015	Improving soil microbiology under rice-wheat crop rotation in Indo-Gangetic Plains by optimized resource management	<i>Environmental Monitoring and Assessment</i> 187(3): 1-14	7.68	-
371.	Prasanna R., Babu S., Bidyarani N., Kumar A., Triveni S., Monga D., Mukherjee A.K., Kranthi S., Gokte-Narkhedkar N. and Adak A.	2015	Prospecting cyanobacteria fortified composts as plant growth promoting and biocontrol agents in cotton	<i>Experimental Agriculture</i> 51(01): 42-65	7.08	-
372.	Bandeppa G., Paul S., Kandpal B.	2015	Evaluation of osmotolerant rhizobacteria for alleviation of water deficit stress in mustard	<i>Green Farming</i> 6: 90-93	4.79	-
373.	Singh D., Singh G. and Annapurna K.	2015	Isolation & characterization of efficient exopolysaccharide producing bacteria from rhizosphere of wheat, maize and mungbean crop grown in rainfed condition	<i>Green Farming</i> 6: 583-586	4.79	-
374.	Singh D. and Singh G.	2015	Isolation of exopoly-saccharide producing bacteria from the rhizosphere of <i>Cyamopsis tetragonoloba</i> and chemical characterization of their EPS	<i>Green Farming</i> 6(2): 365-368	4.79	-
375.	Suryavanshi P., Singh Y.V. and Prasanna R.	2015	Influence of rice establishment methods and varieties on soil properties	<i>Indian J. Ecology</i> 42: 80-85	4.47	-
376.	Sharma S., Tyagi S., Singh Y., Tomar B. and Singh K.	2015	Productivity and profitability of aerobic rice as influenced by varieties and integrated nitrogen management	<i>Indian Journal of Agricultural Sciences</i> 85(1435-1439)	6.14	-
377.	Bhatia K., Asrey R., Varghese E., Singh S. and Kannaujia P.K.	2015	Suitability of commercially important Indian pomegranate ( <i>Punica granatum</i> ) cultivars for minimal processing	<i>Indian Journal of Agricultural Sciences</i> 85: 73-78	6.14	-
378.	Yadav D., Singh Y., Kumar D., Gaind S. and Kumar A.	2015	Influence of sources and rates of phosphorus on plant growth, productivity and economics of aerobic rice ( <i>Oryza sativa</i> )	<i>Indian Journal of Agronomy</i> 60(1): 157-159	5	-



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379.	Singh A., Yadav R., Pathak A. and Suman A.	2015	Performance of early-maturing sugarcane ( <i>Saccharum</i> spp. hybrids complex) genotypes grown with and without organics in sub-tropical India	<i>Indian Journal of Agronomy</i> 60(1): 126-131	5	-
380.	Bagul S., Ratha S.K., Prasanna R., Saha S. and Dhar D.W.	2015	Enhancement in total lipids in microalgae through cultural manipulations and fatty acid profiling	<i>Indian Journal of Biotechnology</i> 14: 429-432	6.39	-
381.	Abraham G., Yadav R. and Kaushik G.	2015	Identification of potential antimicrobial compounds from the aquatic fern <i>Azolla microphylla</i>	<i>Indian Journal of Experimental Biology</i> 53: 232-235	6.84	-
382.	Barman P., Singh S., Patel V., Singh A. and Nain L.	2015	Synergistic interaction of arbuscular mycorrhizal fungi and mycorrhiza helper bacteria improving antioxidant activities in <i>Troyer citrange</i> and <i>Cleopatra mandarin</i> under low moisture stress	<i>Indian Journal of Horticulture</i> 72(1): 33-37	6.13	-
383.	Chandrashekar N., Ali S., Rawar S. and Grover A.	2015	Gene expression profiling of <i>Arabidopsis thaliana</i> chitinase genes in response to <i>Alternaria brassicae</i> challenge	<i>Indian Phytopathology</i> 68(1): 106-111	4.59	-
384.	Tiwari O.N., Premi P., Thadoi A., Dineshwori Y., Silvia C., Indira W., Oinam G., Indrama T., Khangembam R. and Shamjetshabam M.	2015	Genetic diversity analysis of cyanobacteria from acidic rice fields of Manipur, India falling under Indo-Burma biodiversity hotspots	<i>International Journal</i> 3(5): 790-800	-	-
385.	Verma P., Yadav A.N., Shukla L., Saxena A.K. and Suman A.	2015	Hydrolytic enzymes production by thermotolerant <i>Bacillus altitudinis</i> IARI-MB-9 and <i>Gulbenkiania mobilis</i> IARI-MB-18 isolated from Manikaran hot springs	<i>International Journal</i> 3(9): 1241-1250	-	-
386.	Tuti M.D., Das T.K., Sairam R.K., Annapurna K. and Singh S.B.	2015	Effect of sequential application of metribuzin on selectivity and weed control in soybean	<i>International Journal of Pest Management</i> 61(1): 17-25	6.96	-
387.	Kumar R., Elumalai S. and Pabbi S.	2015	Evaluation of antioxidant activity and total phenolic content of cyanobacteria isolated from different region of India	<i>International Journal of Scientific Research</i> 4(1): 17-20	-	-



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388.	Singh R., Charaya M., Shukla L., Shukla G., Kumar A. and Rani A.	2015	Lignocellulolytic Potentials of <i>Aspergillus terreus</i> for Management of Wheat Crop Residues	<i>J. of Academia and Industrial Research (JAIR)</i> 3(9): 453	-	-
389.	Shahane A.A., Singh Y.V., Kumar D., Prasanna R. and Chakraborty D.	2015	Effect of planting methods and cyanobacterial inoculants on yield, water productivity and economics of rice cultivation	<i>Journal of Agriculture and Rural Development in the Tropics and Subtropics (JARTS)</i> 116(2): 107-121	5	-
390.	Singh S., Thavamani P., Megharaj M. and Naidu R.	2015	Multifarious activities of cellulose degrading bacteria from Koala ( <i>Phascolarctos cinereus</i> ) faeces	<i>Journal of Animal Science and Technology</i> 57: 23	-	-
391.	Tiwari O.N., Devi W.I., Silvia C., Devi A.T., Oinam G., Singh O.A., Singh K.O., Indrama T., Sharma A.S. and Khangembam R.	2015	Modulation of phycobili-protein production in <i>Nostoc muscorum</i> through culture manipulation	<i>Journal of Applied Biology &amp; Biotechnology</i> 3(04): 011-016	-	-
392.	Saritha M., Tiwari R., Singh S., Rana S., Adak A., Sharma A., Arora A. and Nain L.	2015	Bioprospecting for superior biomass hydrolysing fungi from diverse habitats	<i>Journal of Biodiversity, Bioprospecting and Development</i> 2: 2	2.35	-
393.	Kumar D., Kaushik R., Nain L. and Saxena A.K.	2015	Biotransformation of Penta-chlorophenol to intermediary metabolites by bacteria isolated from pulp and paper mill effluent irrigated cultivable land	<i>Journal of Pure and Applied Microbiology</i> 9(2): 201-208	6	-
394.	Singh D., Singh G. and Kumar R.	2015	Optimization and chemical characterization of exopolysaccharide produced by <i>Pseudomonas</i> sp. isolated from Wheat Rhizosphere	<i>Journal of Pure and Applied Microbiology</i> 9(2): 1263-1271	6	-
395.	Saha S., Singh Y., Gaind S. and Kumar D.	2015	Water productivity and nutrient status of rice soil in response to cultivation techniques and nitrogen fertilization	<i>Paddy and Water Environment</i> 13(4): 443-453	7.15	-
396.	Rana S., Adak A., Tiwari R., Sharma A., Saritha M., Singh S. and Nain L.	2015	Pretreatment and Designing Energy Crops: Technological Innovations and Prospects	<i>Research Journal of Microbiology</i> 10(12): 557	-	-



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397.	Prasanna R., Hossain F., Babu S., Bidyarani N., Adak A., Verma S., Shivay Y.S. and Nain L.	2015	Prospecting cyanobacterial formulations as plant-growth-promoting agents for maize hybrids	<i>South African Journal of Plant and Soil</i> 32(4): 199-207	-	-
398.	Yadav D., Singh Y., Gaind S., Kumar D., Deepak D. and Sharma D.	2015	Inorganic phosphorus fractions and recovery efficiency in aerobic rice ( <i>Oryza sativa</i> ) in relation to sources and levels of phosphorus	<i>The Indian Journal of Agricultural Sciences</i> 85(5): 734-737	6.14	-
399.	Suryavanshi P. and Singh Y.V.	2015	Changes in plant growth and nutritional quality of rice varieties under different methods of cultivation	<i>Trends in Biosciences Journal of Soils and Crops</i> 8: 699-705	-	-
400.	Kumar R., Bhomick A., Chakdar H., Elumalai S. and Pabbi S.	2015	Biochemical characterisation and diversity analysis of cyanobacteria isolated from different locations	<i>Vegetos</i> 28: 20-30	6	-
401.	Borase D., Dhar D.W. and Saxena S.	2015	Assessing Growth Potential and Useful Biochemical Attributes of Selected acid Tolerant Cyanobacteria	<i>Vegetos-An International Journal of Plant Research</i> 28(1): 146-151	6	-
402.	Tiwari R., Pranaw K., Singh S., Nain P.K.S., Shukla P. and Nain L.	2016	Two-step statistical optimization for cold active $\beta$ -glucosidase production from <i>Pseudomonas lutea</i> BG8 and its application for improving saccharification of paddy straw	<i>Biotechnology and Applied Biochemistry</i> 63(5): 659-668	7.36	1
403.	Priya S., Tiwari R., Rana S., Saritha M., Singh S., Arora A. and Nain L.	2016	Saccharification of bio-pretreated paddy straw with indigenous holocellulase and fermentation with <i>Saccharomyces cerevisiae</i> LN1 under optimized conditions	<i>Energy, Ecology and Environment</i> 1(6): 419-429	-	1
404.	Renuka N., Prasanna R., Sood A., Ahluwalia A.S., Bansal R., Babu S., Singh R., Shivay Y.S. and Nain L.	2016	Exploring the efficacy of wastewater-grown microalgal biomass as a biofertilizer for wheat	<i>Environmental Science and Pollution Research</i> 23(7): 6608-6620	8.83	1
405.	Nazir M., Pandey R., Siddiqi T.O., Ibrahim M.M., Qureshi M.I., Abraham G., Vengavasi K. and Ahmad A.	2016	Nitrogen-deficiency stress induces protein expression differentially in low-N tolerant and low-N sensitive maize genotypes	<i>Frontiers in Plant Science</i>	9.95	1





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406.	Manjunath M., Kanchan A., Ranjan K., Venkatachalam S., Prasanna R., Ramakrishnan B., Hossain F., Nain L., Shivay Y.S. and Rai A.B.	2016	Beneficial cyanobacteria and eubacteria synergistically enhance bioavailability of soil nutrients and yield of okra	<i>Heliyon</i> 2(2): e00066	-	1
407.	Shukla M., Tabassum R., Singh R. and Dhar D.W.	2016	Influence of light intensity, temperature and CO <sub>2</sub> concentration on growth and lipids in green algae and cyanobacteria	<i>Indian Journal of Experimental Biology</i> 54: 482-487	6.84	1
408.	Verma S., Adak A., Prasanna R., Dhar S., Choudhary H., Nain L. and Shivay Y.S.	2016	Microbial priming elicits improved plant growth promotion and nutrient uptake in pea	<i>Israel Journal of Plant Sciences</i> 1-17	6.32	1
409.	Shukla L., Suman A., Verma P., Yadav A.N. and Saxena A.K.	2016	Syntrophic microbial system for ex-situ degradation of paddy straw at low temperature under controlled and natural environment	<i>Journal of Applied Biology &amp; Biotechnology</i> 4(02): 030-037	-	1
410.	Saritha M., Singh S., Tiwari R., Goel R. and Nain L.	2016	Do cultural conditions induce differential protein expression: Profiling of extracellular proteome of <i>Aspergillus terreus</i> CM20	<i>Microbiological Research</i> 192: 73-83	8.56	1
411.	Venkatachalam S., Ranjan K., Prasanna R., Ramakrishnan B., Thapa S. and Kanchan A.	2016	Diversity and functional traits of culturable microbiome members, including cyanobacteria in the rice phyllosphere	<i>Plant Biology</i>	8.63	1
412.	Choudhary J., Singh S. and Nain L.	2016	Bioprospecting thermo-tolerant ethanologenic yeasts for simultaneous saccharification and fermentation from diverse environments	<i>Journal of Bioscience and Bioengineering</i> <a href="http://dx.doi.org/10.1016/j.jbiosc.2016.10.007">http://dx.doi.org/10.1016/j.jbiosc.2016.10.007</a>	7.88	1
413.	Pandey S., Gulati S., Goyal E., Singh S., Kumar K., Nain L. and Saxena A.K.	2016	Construction and screening of metagenomic library derived from soil for $\beta$ -1, 4-endoglucanase gene	<i>Biocatalysis and Agricultural Biotechnology</i> 5: 186-192	-	2
414.	Rai R., Kaur B., Singh S., Di Falco M., Tsang A. and Chadha B.S.	2016	Evaluation of secretome of highly efficient ligno-cellulolytic <i>Penicillium</i> sp. Dal 5 isolated from rhizosphere of conifers	<i>Bioresource Technology</i> 216: 958-967	10.49	2



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415.	Sharma A., Singh S.B., Sharma R., Chaudhary P., Pandey A.K., Ansari R., Vasudevan V., Arora A., Singh S., Saha S. and Nain L.	2016	Enhanced biodegradation of PAHs by microbial consortium with different amendment and their fate in in-situ condition	<i>Journal of Environmental Management</i> 181: 728-736	8.72	2
416.	Dutta A., Vasudevan V., Nain L. and Singh N.	2016	Characterization of bacterial diversity in an atrazine degrading enrichment culture and degradation of atrazine, cyanuric acid and biuret in industrial wastewater	<i>Journal of Environmental Science and Health, Part B</i> 51(1): 24-34	7.2	2
417.	Thagela P., Yadav R.K., Mishra V., Dahuja A., Ahmad A., Singh P.K., Tiwari B.S. and Abraham G.	2016	Salinity-induced inhibition of growth in the aquatic pteridophyte <i>Azolla microphylla</i> primarily involves inhibition of photosynthetic components and signaling molecules as revealed by proteome analysis	<i>Protoplasma</i> 1-11	8.65	2
418.	Verma P., Yadav A.N., Khannam K.S., Mishra S., Kumar S., Saxena A.K. and Suman A.	2016	Appraisal of diversity and functional attributes of thermotolerant wheat associated bacteria from the peninsular zone of India	<i>Saudi Journal of Biological Sciences</i>	7.7	2
419.	Choudhary J., Singh S. and Nain L.	2016	Thermotolerant fermenting yeasts for simultaneous saccharification and fermentation of lignocellulosic biomass	<i>Electronic Journal of Biotechnology</i> 21: 82-92	6.68	2
420.	Mahajan C., Basotra N., Singh S., Di Falco M., Tsang A. and Chadha B.S.	2016	<i>Malbranchea cinnamomea</i> : A thermophilic fungal source of catalytically efficient lignocellulolytic glycosyl hydrolases and metal dependent enzymes	<i>Bioresource Technology</i> 200: 55-63	10.49	3
421.	Baweja M., Nain L., Kawarabayasi Y. and Shukla P.	2016	Current technological improvements in enzymes toward their biotechnological applications	<i>Frontiers in Microbiology</i> 7: 1195	9.99	3
422.	Kumar R., Gopal M., Pabbi S., Paul S., Imteyaz Alam M., Yadav S., Nair K.K., Chauhan N., Srivastava C. and Gogoi R.	2016	Effect of Nanohexaconazole on Nitrogen Fixing Blue Green Algae and Bacteria	<i>Journal of Nanoscience and Nanotechnology</i> 16(1): 643-647	7.56	3



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423.	Arora A., Priya S., Sharma P., Sharma S. and Nain L.	2016	Evaluating biological pretreatment as a feasible methodology for ethanol production from paddy straw	<i>Biocatalysis and Agricultural Biotechnology</i> 8: 66-72	-	4
424.	Adak A., Prasanna R., Babu S., Bidyarani N., Verma S., Pal M., Shivay Y.S. and Nain L.	2016	Micronutrient Enrichment Mediated by Plant-Microbe Interactions and Rice Cultivation Practices	<i>Journal of Plant Nutrition</i>	6.49	7
425.	Verma P., Yadav A.N., Khannam K.S., Kumar S., Saxena A.K. and Suman A.	2016	Molecular diversity and multifarious plant growth promoting attributes of Bacilli associated with wheat ( <i>Triticum aestivum</i> L.) rhizosphere from six diverse agro-ecological zones of India	<i>Journal of Basic Microbiology</i> 56(1): 44-58	7.82	8
426.	Raina S.K., Govindasamy V., Kumar M., Singh A.K., Rane J. and Minhas P.S.	2016	Genetic variation in physiological responses of mungbeans ( <i>Vigna radiata</i> (L.) Wilczek) to drought	<i>Acta Physiologiae Plantarum</i> 38(11): 263	7.58	-
427.	Meena R.K., Arya M.P.S., Meena A.L., Singh Y.V., Shukla L. and Meena H.S.	2016	Effect of compost inoculants, temperature & indigenous technical knowledges on residue decomposition	<i>Ann. Agric. Res.</i> 37: 327-333	3.02	-
428.	Ranjan K., Priya H., Ramakrishnan B., Prasanna R., Venkatachalam S., Thapa S., Tiwari R., Nain L., Singh R. and Shivay Y.S.	2016	Cyanobacterial inoculation modifies the rhizosphere microbiome of rice planted to a tropical alluvial soil	<i>Applied Soil Ecology</i> 108: 195-203	8.64	-
429.	Gaind S. and Singh Y.V.	2016	Short-Term Impact of Organic Fertilization and Seasonal Variations on Enzymes and Microbial Indices Under Rice–Wheat Rotation	<i>CLEAN–Soil, Air, Water</i> 44(10): 1396-1404	7.95	-
430.	Manjunatha B., Paul S., Aggarwal C. and Rathi M.	2016	Effect of osmotic stress on growth and plant growth promoting activities of osmotolerant endophytic bacteria from pearl millet	<i>Environment and Ecology</i> 34(3B): 1223-1228	4.09	-
431.	Paul S., Aggarwal C., Manjunatha B., Thakur J., Rathi M. and Saxena A.	2016	Isolation and characterization of salt tolerant bacteria from Sambhar lake for plant growth promoting activities	<i>Environment and Ecology</i> 34(1A): 365-371	4.09	-



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432.	Saha S., Chakraborty D., Sehgal V.K., Nain L. and Pal M.	2016	Long-term atmospheric CO <sub>2</sub> enrichment impact on soil biophysical properties and root nodule biophysics in chickpea ( <i>Cicer arietinum</i> L.)	<i>European Journal of Agronomy</i> 75: 1-11	8.7	-
433.	Prasanna R., Kanchan A., Ramakrishnan B., Ranjan K., Venkatachalam S, Hossain F, Shivay Y.S., Krishnan P. and Nain L.	2016	Cyanobacteria-based bio-inoculants influence growth and yields by modulating the microbial communities favourably in the rhizospheres of maize hybrids	<i>European Journal of Soil Biology</i> 75: 15-23	7.72	-
434.	Tiwari R., Kumar K., Singh S., Nain L. and Shukla P.	2016	Molecular detection and environment-specific diversity of glycosyl hydrolase family 1 β-glucosidase in different habitats	<i>Frontiers in Microbiology</i> 7: 1597	9.99	-
435.	Thagela P., Yadav R.K., Dahuja A., Singh P. and Abraham G.	2016	Physiological and proteomic changes in <i>Azolla microphylla</i> roots upon exposure to salinity	<i>Indian Journal of Biotechnology</i> 15: 101-106	6.39	-
436.	Saritha M., Tiwari R., Singh S., Nain P.K., Rana S., Adak A., Arora A. and Nain L.	2016	Glycoside hydrolase production by <i>Aspergillus terreus</i> CM20 using mixture design approach for enhanced enzymatic saccharification of alkali pretreated paddy straw	<i>Indian Journal of Experimental Biology</i> 54: 518-524	6.84	-
437.	Saxena A., Yadav A.N., Rajawat M., Kaushik R., Kumar R., Kumar M., Prasanna R. and Shukla L.	2016	Microbial Diversity of Extreme Regions: An Unseen Heritage and Wealth	<i>Indian Journal of Plant Genetic Resources</i> 29(3): 246-248	4.61	-
438.	Suman A., Verma P., Yadav A.N., Srinivasamurthy R., Singh A. and Prasanna R.	2016	Development of Hydrogel based Bio-Inoculant Formulations and their Impact on Plant Biometric Parameters of Wheat ( <i>Triticum aestivum</i> L.)	<i>Int. J. Curr. Microbiol. App. Sci.</i> 5(3): 890-901	-	-
439.	Arora P., Singh G. and Tiwari A.	2016	Exploring the role of <i>Bacillus species</i> in combating Aluminium toxicity in <i>Zea mays</i> by studying its effect on chlorophyll content	<i>IOSR Journal of Agriculture and Veterinary Science</i> 9(4): 84-86	-	-
440.	Singh G., Sharma P. and Sharma S.	2016	Growth media influences the phytopromotional potential of symbiotic fungus <i>Piriformospora indica</i>	<i>Journal of Environmental Biology</i> 37	6.56	-



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441.	Bidyarani N., Prasanna R., Babu S., Hossain F. and Saxena A.K.	2016	Enhancement of plant growth and yields in Chickpea ( <i>Cicer arietinum</i> L.) through novel cyanobacterial and biofilmed inoculants	<i>Microbiological Research</i> 188: 97-105	8.56	-
442.	Gaind S.	2016	Phosphate dissolving fungi: Mechanism and application in alleviation of salt stress in wheat	<i>Microbiological Research</i> 193: 94-102	8.56	-
443.	Singha A. and Pabbi S.	2016	Diversity of cyanobacteria in organic rice and wheat fields and their contribution to soil fertility	<i>Molecular Soil Biology</i> 7: 1-16	-	-
444.	Rajawat M.V.S., Singh S., Tyagi S.P. and Saxena A.K.	2016	A modified plate assay for rapid screening of Potassium-Solubilizing Bacteria	<i>Pedosphere</i> 26(5): 768-773	7.5	-
445.	Singh N.K., Dhar D.W. and Tabassum R.	2016	Role of Cyanobacteria in Crop Protection	<i>Proceedings of the National Academy of Sciences, India Section B: Biological Sciences</i> 86(1): 1-8	6	-
446.	Singh R.N., Gaba S., Yadav A.N., Gaur P., Gulati S., Kaushik R. and Saxena A.K.	2016	First high quality draft genome sequence of a plant growth promoting and cold active enzyme producing psychrotrophic <i>Arthrobacter agilis</i> strain L77	<i>Standards in Genomic Sciences</i> 11(1): 54	-	-
447.	Adak A., Tiwari R., Singh S., Sharma S. and Nain L.	2016	Laccase production by a novel white-rot fungus <i>Pseudolagarobasidium acaciicola</i> LA 1 through solid-state fermentation of <i>Parthenium</i> biomass and Its application in dyes decolorization	<i>Waste and Biomass Valorization</i> 7(6): 1427-1435	7.37	-
448.	Das K., Rajawat M.V.S., Saxena A.K. and Prasanna R.	2016	Development of <i>Mesorhizobium ciceri</i> - Based Biofilms and Analyses of Their Antifungal and Plant Growth Promoting Activity in Chickpea Challenged by <i>Fusarium</i> Wilt	<i>Indian Journal of Microbiology</i> 57(1): 48-59 DOI: 10.1007/s12088-016-0610-8	7.1	1



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
449.	Kumar A., Singh S., Tiwari R., Goel R. and Nain L.	2016	Immobilization of indigenous holocellulase on iron oxide (Fe <sub>2</sub> O <sub>3</sub> ) nanoparticles enhanced hydrolysis of alkali pretreated paddy straw	<i>International Journal of Biological Macromolecules</i> 96: 538-549	8.86	-
450.	Kuppusamy S., Thavamani P., Singh S., Naidu R. and Megharaj M.	2016	Polycyclic aromatic hydrocarbons (PAHs) degradation potential, surfactant production, metal resistance and enzymatic activity of two novel cellulose-degrading bacteria isolated from koala faeces	<i>Environmental Earth Sciences</i> 76(1): 14	7.77	-
451.	Boddupalli A., Tiwari R., Sharma A., Singh S., Prasanna R. and Nain L.	2016	Elucidating the interactions and phytotoxicity of zinc oxide nanoparticles with agriculturally beneficial bacteria and selected crop plants	<i>Folia Microbiologica</i> 1-10 DOI: 10.1007/s12223-017-0495-x	7	-
452.	Mahawar, H., Prasanna, R. Simranjit, K., Thapa, S., Kanchan, A., Singh, S., Kaushik, S.C. Singh, S. and Nain, L.	2016	Deciphering the mode of interactions of nanoparticles with mung bean ( <i>Vigna radiata</i> L.)	<i>Israel Journal of Plant Sciences</i>	6.32	-
453	Singh, D., Rajawat, M.V.S., Kaushik, R., Prasanna, R. and Saxena, A.K.	2017	Beneficial role of endophytes in biofortification of Zn in wheat genotypes varying in nutrient use efficiency grown in soils sufficient and deficient in Zn.	<i>Plant and Soil (In press)</i>	8.95	-

## Faculty Profile

### Professors

S. No.	Name	Period
1.	K.S. Jauhri	01.01.2002 to 15.06.2007
2.	Dolly Wattal Dhar	16.06.2007 to 03.08.2008
3.	Lata	04.08.2008 to 08.06.2009
4.	Dolly Wattal Dhar	09.06.2009 to 15.11.2015
5.	Sunil Pabbi	16.11.2015 to till date



## Heads

S. No.	Name	Period
1.	B.D. Kaushik	01.01.2002 to 30.05.2007
2.	K.S. Jauhri (Acting)	01.06.2007 to 30.06.2008
3.	Dolly Wattal Dhar (Acting)	01.07.2008 to 08.05.2009
4.	A.K. Saxena	09.05.2009 to 25.02.2015
5.	K. Annapurna	26.02.2015 to till date

## Faculty Members

S. No.	Name of the Faculty	Qualification	Specialization	h-index	i10-Index
1.	K. Annapurna	Ph.D.	Plant-Microbe Interactions	14	18
2.	Sunil Pabbi	Ph.D.	Applied Microbiology/Algology	8	7
3.	Dolly Wattal Dhar	Ph.D.	Cyanobacteria, microalgae, diversity, value addition, abiotic stress tolerance and biofuel	13	15
4.	Lata	Ph.D.	Microbiology	27	69
5.	Archna Suman	Ph.D.	Plant microbe interaction	15	26
6.	Geeta Singh	Ph.D.	Soil Microbiology	7	
7.	G. Abraham	Ph.D.	Algology	10	10
8.	Sangeeta Paul	Ph.D.	Microbiology	5	2
9.	B. Ramakrishnan	Ph.D.	Microbiology, Archaea, Greenhouse Gases, Bioremediation, Plant and Soil Microbiomes	24	38
10.	Livleen Shukla	Ph.D.	Agro-residue recycling	5	2
11.	Radha Prasanna	Ph.D.	Plant-microbe interactions; Cyanobacteria; Integrated nutrient and disease management using microbial inoculants	27	83
12.	Rajeev Kaushik	Ph.D.	Agricultural Microbiology	13	15
13.	Minakshi Grover	Ph.D.	Agricultural Microbiology	12	12
14.	Sunita Gaiind	Ph.D.	Soil Microbiology	15	18
15.	K. Swarnalakshmi	Ph.D.	Plant-Microbe Interaction	5	3
16.	O.N. Tiwari	Ph.D.	Algology	-	-
17.	Anju Arora	M.Sc.	Applied and Industrial Microbiology	13	19
18.	Surender Singh	Ph.D.	Applied and Industrial Microbiology	13	15
19.	V. Govindasamy	Ph.D.	Plant microbe interaction	8	8
20.	Seema Sangwan	Ph.D.	Plant microbe interaction	-	-
21.	Chandrashekar N.	Ph.D.	Biotechnology	-	-



# Soil Science and Agricultural Chemistry

R.D. Singh

## Students Awarded Degree

S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
<b>Ph.D. Students</b>					
1.	2007	Sanjib Kumar Behera	Release and uptake of phosphorus from some organic manures in wheat-black-gram sequence using isotopic tracer	Dr. Dhyan Singh	-
2.	2007	Sangita Mohanty	Influence of different ameliorants on solubility, fractions and sorptions of zinc, copper, manganese and nickel in sewage effluent-irrigated soils	Dr. S.C. Datta	-
3.	2007	Satyanarayana Talatam	Interrelationship between boron and sulphur as measured by crop response and soil analysis	Dr. Sarjeet Singh	-
4.	2007	C.M. Mathavan	Soil Organic Carbon Pools under different Agricultural Management Practices	Dr. R.K. Rattan	-
5.	2008	Ashis Maity	Development of N-supply index of soil to wheat through simulation modeling	Dr. S.C. Datta	-
6.	2008	K. Karthikeyan	Inter-relationship between boron and sulphur as measured by crop response and soil analysis	Dr. L.M. Shukla	-
7.	2008	A. Thangasamy	Hydro-physical properties and nutrient availability in maize-wheat system under long term use of fertilizers on a Typic Haplustept	Dr. Dhyan Singh	-
8.	2008	Sah Kusar Reza	Characterization of rockphosphate enriched pressmud compost and its effect in phosphorus use efficiency in pearlmillet-mustard sequence in a Typic Haplustept	Dr. Sarjeet Singh	-
9.	2008	Sharmistha Pal	Aluminium-organic acids interaction in rice rhizosphere in acid soil.	Dr. S.C. Datta	-
10.	2009	S. Hima Bindu	Influence of high does of Zn fertilizer on nutrition of wheat and rice	Dr. M.S. Sachdev	-
11.	2010	Bibhash Chandra Verma	Dynamics of soil organic matter as influenced by tillage, water and nutrient management under rice- wheat cropping system	Dr. S.P. Datta	-





S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
12.	2010	Asit Mandal	Phytoremediation of arsenic contaminated soils by brake fern ( <i>Pteris vittata</i> L.) as influenced by phosphate sources	Dr. T.J. Purakayastha	-
13.	2010	Sandeep, S.	Nature of soil organic matter and its stabilization in a Typic Haplustept as affected by cropping, tillage and nutrient management systems	Dr. K.M. Manjaiah	-
14.	2011	Manoj Kumar	Phosphorus Dynamics in Wheat Rhizosphere <i>vis-a-vis</i> P Nutrition under Elevated Atmospheric Carbon Dioxide and Temperature	Dr. Anand Swarup	-
15.	2011	Mohan Lal Dotania	Phosphorus Dynamics in Typic Haplustept as Affected by Citrate, Oxalate and Silicate Ions in Relation to its Availability to Wheat Crop	Dr. S.C. Datta	-
16.	2011	Subhas Sarkar	Synthesis of Clay-Polymer-Nutrient Nanocomposites and their Characterization with Respect to Water Holding Capacity and Nutrient Release Behaviour	Dr. S.C. Datta	-
17.	2011	Biraj Bandhu Basak	Dynamics of Carbon and Nitrogen in Soil Amended with Organic and Inorganic Fertilizers under Maize-Wheat Cropping System	Dr. D.R. Biswas	-
18.	2011	Debarti Bhaduri	Soil Quality Assessment in Rice-Wheat Cropping System under Water, Tillage and Nutrient Management	Dr. T.J. Purakayastha	-
19.	2011	M. Sreenivasa Chari	Sorption-Desorption of Radiocesium on Soil Clays and Use of Waste Mica in Reducing <sup>134</sup> Cs Transfer from Soils to Crops	Dr. K.M. Manjaiah	-
20.	2012	Hari Mohan Meena	Studies on Nitrification Inhibition Efficiency of Root Extracts of <i>Brachiaria humidicola</i>	Dr. M.S. Sachdev	-
21.	2012	Murli Dhar Meena	Dynamics of Phosphorus and Potassium in a Typic Haplustept Amended with Rock Phosphate and Waste Mica Enriched Compost in a Wheat -Soybean Rotation	Dr. D.R. Biswas	-
22.	2012	Dibyendu Chatterjee	Characterization of short range order (SRO) minerals formed in maize ( <i>Zea mays</i> L.) rhizosphere under nutrient condition	Dr. S.C. Datta	-
23.	2013	Javid Ahmed Sofi	Carbon Stocks and Fertility of the Soils of Shopian District (Jammu and Kashmir) under Apple Orchards	Dr. R.K. Rattan	-



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
24.	2013	Babu Lal Meena	Solubility Relationships of Iron in Soils and Amelioration of its Deficiency under Aerobic Rice	Dr. R.K. Rattan	-
25.	2013	Pradipta Ranjan Pradhan	Sulphur dynamics in a Typic Haplustept as influenced by long-term fertilizer and manure application in a maize-wheat cropping system	Dr. R.N. Pandey	-
26.	2013	Sarvendra Kumar	Impact of Nanoparticles on Nitrogen Transformation and Soil Health	Dr. A.K. Patra	-
27.	2013	Ramesh, T.	Stocks and quality of soil organic matter under different land use systems in East Khasi hills of Meghalaya	Dr. K.M. Manjaiah	-
28.	2013	Mandira Barman	Dynamics of nickel in alluvial soils and its availability to plants	Dr. S.P. Datta	-
29.	2013	Mahajan Gopal Ramdas	Development of site-specific integrated nutrient management system for hybrid rice ( <i>Oryza sativa</i> L.) - wheat ( <i>Triticum aestivum</i> L.) cropping system using soil test crop response correlation studies	Dr. R.N. Pandey	-
30.	2014	Rajendiran S.	Effect of humic acid based multinutrient fertilizers on nutrient use efficiency and quality of tomato ( <i>Solanum lycopersicon</i> L.) and potato ( <i>Solanum tuberosum</i> L.) grown on a typichaplustept	Dr. T.J. Purakayastha	-
31.	2014	S. Ramachandran	Influence of Organic and Mineral Fertilization on Organic Carbon Fractions, Microbial Properties and Productivity of Maize-Wheat Cropping System on a Typic Haplustept	Dr. D.R. Biswas	-
32.	2015	Rajiv Rakshit	Customization of fertilizer levels to enhance nutrient use efficiency and soil quality under maize-wheat cropping system	Dr. A.K. Patra	-
33.	2015	Nintu Mandal	Development of biodegradable clay-nanocomposites for controlled delivery of zn in wheat and rice rhizosphere	Dr. S.C. Datta	-
34.	2015	Pravash Chandra Moharana	Nutrient transformations in soil amended with organics and mineral fertilizers for improving soil health and productivity of wheat-green gram sequence	Dr. D.R. Biswas	-
35.	2015	Kumararaja P.	Modified clays as heavy metal adsorbents and their effect on metal uptake by crops	Dr. K.M. Manjaiah	-
36.	2016	Trisha Roy	Improving Solubility of Rock Phosphates by Nanoformulation Along with Organic Acids and Phosphate Solubilizer	Dr. D.R. Biswas	-



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
37.	2016	Venati Girija Veni	Enhancing zinc density in grains of some basmati rice cultivars grown in soils of divergent characteristics	Dr. S.P. Datta	-
38.	2016	Tanumoy Bera	Preparation, characterization and evaluation of biochar for improving nutrient use efficiency and soil health under rice crop	Dr. T.J. Purakayastha	-
39.	2016	Tapan Gorai	Assessment and mapping of spatial variability of IARI farm soils	Dr. Nayan Ahmed	-
40.	2016	Dhiraj Kumar	Long term effect of organic manures and biofertilizers on dynamics of carbon and nitrogen under rice-wheat cropping system	Dr. T.J. Purakayastha	-
<b>M.Sc. Students</b>					
1.	2007	Bhibhash Chandra Verma	Dynamics and availability of Iron, manganese, copper and zinc in Inceptisols under long-term fertilizer experiment with maize-wheat cropping	Dr. S.P. Datta	-
2.	2007	Binoy Sarkar	Rhizosphere Induced Modification of Carbon and Nitrogen Mineralization in wheat and Maize	Dr. A.K. Patra	-
3.	2008	Subhas Sarkar	Sulphur and silicon interaction in soil as influenced by farmyard manure in relation to nutrients availability to hybrid rice ( <i>Oryza sativa</i> )	Dr. R.N. Pandey	-
4.	2008	Nimisha N.B.	Pools of nitrogen, phosphorus and potassium as influenced by organic, inorganic and their integrated use in pearl millet-wheat sequences	Dr. B.M Sharma	-
5.	2008	Biraj Bandhu Basak	Dynamics of potassium release in soil and its uptake by Sudan grass from waste mica as affected by microbial culture	Dr. D.R. Biswas	-
6.	2009	Sarvendra Kumar	Impact of temperature on microbial abundance resistance and resilience of soil under long-term application of fertilizers and farmyard manure	Dr. A.K. Patra	-
7.	2009	Dharmendra Kumar Singh	Characterization of some soils in relation to hyper-spectral reflectance data	Dr. Nayan Ahmed	-
8.	2009	Pradipta Ranjan Pradhan	Dynamics of phosphorus in wheat based cropping systems with varying tillage and crop residue management practices	Dr. R.N. Pandey	-
9.	2010	Mandira Barman	Effect of applied lime and boron on the availability of nutrients in an acid soil	Dr. L.M. Shukla	-



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
10.	2010	Rajiv Rakshit	Nitrogen dynamics in soil under wheat crop at elevated carbon dioxide and temperature	Dr. Deo Pal	-
11.	2011	Nintu Mandal	Soil Organic Carbon Fractions, Mineral N and Hydro-physical Properties under Different Nutrient Management Practices in Pigeonpea-Wheat Sequence	Dr. B.S. Dwivedi	-
12.	2011	Pravash Chandra Moharana	Pools of Soil Organic Carbon as Influenced by farmyard manure and Chemical fertilizers in Pearl Millet-Wheat Sequence on a Typic Haplustept	Dr. B.M. Sharma	-
13.	2011	Justin George Kalambukattu	Soil Carbon Fractions and Enzyme Activity under Different Land Uses in Central Himalayan Region	Dr. R.D. Singh	-
14.	2011	Tapan Gorai	Characterization and Classification of Soils on a Toposequence in Almora District of Uttarakhand	Dr. Nayan Ahmed	-
15.	2011	Amrit Lal Meena	Effect of Pigeonpea ( <i>Cajanus Cajan</i> ) Rhizosphere on Phosphorus Transformation under Varying Tillage and Crop Residue Management Practices	Dr. R.N. Pandey	-
16.	2012	Abir Dey	Dynamics of Boron in Different Soils under Long-term Fertilization and Manuring	Dr. B.S. Dwivedi	-
17.	2012	Trisha Roy	Characterization and evaluation of sewage sludge as source of plant nutrients and pollutants	Dr. R.D. Singh	-
18.	2012	Dhiraj Kumar	Effect of Tillage and Crop-Residue Management on Different Soil Organic Carbon Fractions under Pigeonpea-Wheat Cropping System	Dr. Anand Swarup	-
19.	2012	Prasenjit Ray	Enrichment of Leafy Green Vegetables with Soil Application of Zinc along with Organics	Dr. S.K. Singhal	-
20.	2013	Debarup Das	Characterization soil organic matter under long-term fertilization and manuring in a Typic Haplustept	Dr. B.S. Dwivedi	-
21.	2013	Debasis Golui	Dynamics of heavy metals in sewage amended soils in relation to their utilization by Indian Spinach ( <i>Beta vulgaris</i> )	Dr. S.P. Datta	-
22.	2013	Ranjan Paul	Studies on phosphate solubilizing microorganisms in relation to P dynamics in soils of North Western Himalayan region	Dr. R.D. Singh	-



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
23.	2013	Sonalika Sahoo	Clay-polymer nanocomposites for Controlled release of metribuzin soil	Dr. K.M. Manjaiah	-
24.	2014	Ramesh Chandra Yadav	Interaction of iron and zinc nanoparticles in the rice rhizosphere at elevated CO <sub>2</sub>	Dr. A.K. Patra	-
25.	2014	Kirti Saurabh	Effect of nanoclay polymer composites (ncpcs) loaded with urea and nitrification inhibitors on nitrification in soil	Dr. K.M. Manjaiah	-
26.	2014	Saubhagya Kumar Samal	Biofortification of baby corn ( <i>Zea mays</i> L.) with zinc and iron by application of sewage sludge and its effect on soil properties	Dr. R.D. Singh	-
27.	2014	Mahaveer Nogiya	Effect of soil management practices on iron deficiency tolerance of aerobic rice	Dr. R.N. Pandey	-
28.	2015	Niranjan Kumar	Dynamics and availability of boron in major soil groups of India	Dr. M.C. Meena	-
29.	2015	Abhijit Sarkar	Preparation and evaluation of coated phosphatic fertilizers	Dr. D.R. Biswas	-
30.	2015	Krishna Kumar Mourya	Impact of organic manures on different pools of zinc and iron in soil and their uptake by spinach ( <i>Beta vulgaris</i> L.)	Dr. S.K. Singhal	-
31.	2015	Immanuel Chongboi Haokip	Soil phosphorus dynamics in maize-wheat cropping system as influenced by phosphorus fertilization and microbial inoculants	Dr. B.S. Dwivedi	-
32.	2016	Yukti Verma	Clay-polymer interactions with reference to retention and release of phosphorus in soils	Dr. S.C. Datta	-
33.	2016	Deep Mohan	Nitrogen dynamics under maize-wheat cropping system as influenced by nitrogen, tillage and residue management option	Dr. M.C. Meena	-
34.	2016	Rajendra Kumar Yadav	Long term effect of manuring and fertilization on stability of clay humus complexes and soil organic matter quality in potato based cropping systems	Dr. T.J. Purakayastha	-
35.	2016	Siddhartha Sankar Biswas	Mineralization of nitrogen for synchronizing crop demand amended with different organic manures with variable C:N ratios and their effect on wheat	Dr. S.K. Singhal	-
36.	2016	Ramu Meena	Risk assessment of sewage irrigated soils in relation to transfer of metals to rice and wheat	Dr. S.P. Datta	-



## Foreign Students Awarded Degree

S. No.	Year	Name of the Foreign Student	Thesis Title	Chairperson	Country
<b>Ph.D. Student</b>					
1.	2013	Nafiseh Rangzan	Dynamics of Heavy Metals in Contaminated Soils and Risk Assessment to Human through Spinach Grown thereon	Dr. S.P. Datta	Iran

<b>M.Sc. Student</b>					
1.	2015	Bassal Mhalla	Characterization and evaluation of partially acidulated rock phosphates as a source of phosphorus in calcareous soil	Dr. R.D. Singh	Syria

## Training Courses/Winter/Summer School/Workshop Organized

S. No.	Year	Title of Training Programme	Number of Trainees	Name(s) of the Course Director and Co-ordinators
1.	2008	5 <sup>th</sup> Advanced Level Training on Soil Testing, Plant Analysis and Water Quality Assessment	09	Dr. B.S. Dwivedi Dr. M.C. Meena
2.	2008	Methods of Soil, Plant and Climatic Analysis	20	Dr. N.P.S. Yaduvanshi
3.	2008	Chemical Changes and Nutrient Transformation in Sodic/Poor Quality Water Irrigated Soils	20	Dr. N.P.S. Yaduvanshi
4.	2009	Improving sodic soil quality, input use efficiency and crop productivity through INM	20	Dr. N.P.S. Yaduvanshi
5.	2009	6 <sup>th</sup> Advanced Level Training on Soil Testing, Plant Analysis and Water Quality Assessment	15	Dr. B.S. Dwivedi
6.	2010	7 <sup>th</sup> Advanced Level Training on Soil Testing, Plant Analysis and Water Quality Assessment	20	Dr. B.S. Dwivedi Dr. M.C. Meena
7.	2011	8 <sup>th</sup> Advanced Level Training on Soil Testing, Plant Analysis and Water Quality Assessment	19	Dr. B.S. Dwivedi Dr. M.C. Meena
8.	2012	9 <sup>th</sup> Advanced Level Training on Soil Testing, Plant Analysis and Water Quality Assessment	20	Dr. B.S. Dwivedi Dr. M.C. Meena
9.	2013	Entrepreneurship Development Programme on Soil Testing and Fertilizer Recommendation	10	Dr. B.S. Dwivedi Dr. M.C. Meena
10.	2013	ICAR-sponsored Summer School on 'Soil health assessment techniques'	25	Dr. B.S. Dwivedi Dr. M.C. Meena
11.	2014	10 <sup>th</sup> Advanced Level Training on Soil Testing, Plant Analysis and Water Quality Assessment	13	Dr. B.S. Dwivedi Dr. M.C. Meena
12.	2014	11 <sup>th</sup> Advanced Level Training on Soil Testing, Plant Analysis and Water Quality Assessment	19	Dr. B.S. Dwivedi Dr. M.C. Meena
13.	2015	Short-course on 'Soil Testing and Balanced Fertilization' for staff of the Central Fertilizer Quality Control & Training Institute (CFQC&TI), Faridabad	06	Dr. B.S. Dwivedi Dr. M.C. Meena
14.	2015	12 <sup>th</sup> Advanced Level Training on Soil Testing, Plant Analysis and Water Quality Assessment	15	Dr. B.S. Dwivedi Dr. M.C. Meena



S. No.	Year	Title of Training Programme	Number of Trainees	Name(s) of the Course Director and Co-ordinators
15.	2016	13 <sup>th</sup> Advanced Level Training on Soil Testing, Plant Analysis and Water Quality Assessment	15	Dr. B.S. Dwivedi Dr. M.C. Meena
16.	2016	Agripreneurship Development Programme on “Soil fertility evaluation and nutrient management for enhancing crop productivity and soil health”	21	Dr. M.C. Meena
17.	2016	Agripreneurship Development Programme on “Soil fertility evaluation and nutrient management for enhancing crop productivity and soil health”	23	Dr. M.C. Meena
18.	2016	ICAR-AICRP-MSPE Sponsored Training on “Advanced Tools and Techniques for Analysis of Micro- and Secondary Nutrients and Pollutant Elements”	23	Dr. S.P. Datta Dr. M.C. Meena
19.	2016	Soil health management for sustaining crop production and farm profit	19	Dr. N.P.S. Yaduvanshi Dr. V.K. Sharma Dr. S. Kumar Dr. S. Biswas

### Training Received by the Faculty Members Within the Country

S. No.	Year	Name of the Faculty Member	Name of the Training	Duration (Days)	Institution
1.	2007	Dr. V.K. Sharma	Integrated nutrient management	21	HAU, Hissar
2.	2008	Dr. N.P.S. Yaduvanshi	Methods of Soil, Plant and Climatic Analysis	08	CSIR
3.	2008	Dr. N.P.S. Yaduvanshi	Chemical Changes and Nutrient Transformation in Sodic/Poor Quality Water Irrigated Soils	21	ICAR
4.	2008	Dr. M.C. Meena	Trainers Training course under-XI <sup>th</sup> plan scheme on “Scaling up Water Productivity in Agriculture for Livelihood”	14	WTC, ICAR-IARI, New Delhi
5.	2009	Dr. N.P.S. Yaduvanshi	Improving sodic soil quality, input use efficiency and crop productivity through INM	21	ICAR
6.	2009	Dr. M.C. Meena	6 <sup>th</sup> Advanced Level Training in Soil Testing, Plant Analysis and Water Quality Assessment	21	Division of SSAC ICAR-IARI, New Delhi
7.	2009	Dr. M.C. Meena	ICAR-Winter School on “Integrated Plant Nutrient Supply System for Enhancing Soil Quality, Input Use Efficiency and Crop Productivity”	21	Division of SSAC ICAR-IARI, New Delhi
8.	2011	Dr. V.K. Sharma	Training course on Data Analysis of Natural Resource Management Research using SAS	21	IASRI, New Delhi
9.	2011	Ranjan Bhattacharyya	Advanced Statistical Analyses	21	ICAR-IASRI, New Delhi
10.	2011	Sarvendra Kumar	Agricultural/Horticultural Marketing –Prospects and Challenges	03	Central Institute of Temperate Horticulture, Srinagar



S. No.	Year	Name of the Faculty Member	Name of the Training	Duration (Days)	Institution
11.	2011	Dr. M.C. Meena	Training Programme on “Data Analysis of Natural Resource Management Research using SAS” of the NAIP Consortium	06	ICAR-IASRI, NewDelhi
12.	2012	Sarvendra Kumar	Predicting soil carbon sequestration in view of global warming and climate change	14	NBSS&LUP, Nagpur
13.	2012	Sarvendra Kumar	Statistical models for forecasting in agriculture	21	IASRI, New Delhi
14.	2012	Dr. V.K. Sharma	Sustainable Natural Resource Management for Ecological Agriculture	21	PAU, Ludhiana
15.	2012	Dr. B.S. Dwivedi	Strategies for enhancing the performance of the Head of Divisions of IARI	04	IARI Regional Station, Shimla
16.	2012	Dr. M.C. Meena	Training Course on “Predicting Soil Carbon Sequestration in view of Global Warming and Climate Change”	14	ICAR-NBSS&LUP, Nagpur
17.	2015	Dr. M.C. Meena	International Short Course on “Cropping System Models Applications in Land Resource Management”	05	ICRISAT, Patancheru
18.	2016	Ruma Das	Role of Scientist in Natural Resource Management (DST Sponsored Training)	05	IIFM, Bhopal
19.	2016	Ruma Das	Assessing Natural Resource Management, Climate Risk and Environmental Sustainability using Simulation Models	21	IISS, Bhopal
20.	2016	Dr. N.P.S. Yaduvanshi	Soil health management for sustaining crop production and farm profit	08	Directorate of Extension
21.	2016	Dr. M.C. Meena	ICAR-Winter School on “Advanced Tools and Techniques for Precise Input Application Systems”	21	ICAR-CIAE, Bhopal

### Training Received by the Faculty Members Outside the Country

1.	2010	Dr. B.S. Dwivedi	Implementing Site-Specific Nutrient management (SSNM) for Rice, Maize, and Wheat	05	IRRI, Philippines
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### Awards Conferred on the Faculty Members

S. No.	Year	Name of the Faculty	Name of Award Received	Institution which Gave the Award
1.	2007	Dr. N.P.S. Yaduvanshi	Fellowship, Indian Society of Salinity Research Scientist	Indian Society of Salinity Research
2.	2007	Dr. N.P.S. Yaduvanshi	Ch. Charan Singh National Award	Shree Krishna Sewa Dham, Karnal
3.	2007	Ranjan Bhattacharyya	Scholarship award for ‘Young Researchers Working in European Countries’	European Society for Soil Conservation
4.	2007	Ranjan Bhattacharyya	Team award	ICAR, New Delhi





S. No.	Year	Name of the Faculty	Name of Award Received	Institution which Gave the Award
5.	2007	R.D. Singh	ISSS best poster paper award	Indian Society of Soil Science
6.	2007	B.S. Dwivedi	Dhiru Morarji Memorial Award (First Prize)	Fertiliser Association of India
7.	2007	B.S. Dwivedi	Shri Ram Award (Second Prize)	Fertiliser Association of India
8.	2008	B.S. Dwivedi	Shri Ram Award (First Prize)	Fertiliser Association of India
9.	2008	Dr. N.P.S. Yaduvanshi	IMPHOS- FAI AWARD	Fertilizer Association of India, New Delhi
10.	2008	Dr. T.J. Purakayastha	Best peer-reviewed paper award 2008	SSSA, Madison, Wisconsin, USA
11.	2008	Dr. T.J. Purakayastha	Best peer-reviewed paper award appeared as "Top 25 Hottest Article" in January-March	Geoderma, Elsevier, The Netherlands
12.	2008	Dr. T.J. Purakayastha	Dhiru Morarji Memorial Award	Fertiliser Association of India
13.	2009	Ranjan Bhattacharyya	Asian Scientist Award of the Year	World Association of Soil and Water Conservation
14.	2010	Dr. T.J. Purakayastha	Fulbright-Nehru Senior Research Fellowship Award	Fulbright Scholarship Washington, USA
15.	2010	Dr. T.J. Purakayastha	Dhiru Morarji Memorial Award	Fertiliser Association of India
16.	2010	Ranjan Bhattacharyya	Golden Jubilee Commemoration Young Scientist Award	Indian Society of Soil Science
17.	2011	Dr. T.J. Purakayastha	Occasional Lecture Fund (OLF) Travel Award 2011	International Institute of Exchange, New York, USA
18.	2011	Ranjan Bhattacharyya	B.C. Dev Memorial Award	Indian Science Congress Association
19.	2011	Ranjan Bhattacharyya	B. Laxminarayana Memorial Award	Division of SS&AC, IARI, New Delhi
20.	2011	Ranjan Bhattacharyya	Associate	National Academy of Agricultural Sciences, New Delhi
21.	2011	Dr. M.C. Meena	Best Poster Presentation Award	Indian Society of Soil Science, New Delhi
22.	2011	B.S. Dwivedi	ISSS- Dr. J.S.P. Yadav Memorial Award for Excellence in Soil Science	Indian Society of Soil Science
23.	2011	B.S. Dwivedi	Fellow	National Academy of Agricultural Sciences
24.	2014	Dr. T.J. Purakayastha	Best Teacher Award	Indian Agricultural Research Institute
25.	2014	Dr. N.P.S. Yaduvanshi	Dr. J.S.P. Yadav Memorial Award for Excellence in Soil Science	Indian Soil Science Society
26.	2014	Dr. V.K. Sharma	Young Scientist Award	IAMR, Gaziabad, U.P. (India)
27.	2014	Dr. V.K. Sharma	Fellow of Indian Society of Salinity Research Scientists	Jodhpur, Rajasthan (India)
28.	2014	Ranjan Bhattacharyya	Fellow	National Academy of Agricultural Sciences, New Delhi
29.	2014	B.S. Dwivedi	41 <sup>st</sup> Dr. R.V. Tamhane Memorial Lecture Award	Indian Society of Soil Science



S. No.	Year	Name of the Faculty	Name of Award Received	Institution which Gave the Award
30.	2014	B.S. Dwivedi	IPNI-FAI Award for “Best Research on Management and Balanced Use of Inputs in Achieving Maximum Yield”	IPNI and FAI
31.	2015	B.S. Dwivedi	Fellow	Indian Society of Soil Science
32.	2015	Dr. V.K. Sharma	Out Standing Achievement Award	G.K.V. Society, Agra U. P. (India)
33.	2015	Dr. V.K. Sharma	Best Poster Award	G.K.V. Society, PJTSAU, Hyderabad
34.	2015	Dr. T.J. Purakayastha	Best peer-reviewed papers appeared as “Top 25 Hottest Article” in October-December, 2015	Soil and Tillage Research, Elsevier, The Netherlands
35.	2015	Ranjan Bhattacharyya	Board Member	International Soil & Tillage Research Organization
36.	2015	Ranjan Bhattacharyya	Outstanding Achievement Award in the field of Soil Science	G.K.V. Society, Agra, India
37.	2015	Ranjan Bhattacharyya	Editorial Board Member	Agriculture, Ecosystems & Environment
38.	2015	Ranjan Bhattacharyya	Associate Editor	Agronomy Journal
39.	2015	Dr. M.C. Meena	The Golden Jubilee Commemoration Young Scientist Award	Indian Society of Soil Science, New Delhi
40.	2016	Dr. T.J. Purakayastha	Outstanding Reviewer Status Award 2016 as TOP 10 <sup>th</sup> percentile	Geoderma, Elsevier, The Netherlands
41.	2016	Dr. V.K. Sharma	Best Poster Award	4 <sup>th</sup> International Agronomy Congress, IARI, New Delhi
42.	2016	Ranjan Bhattacharyya	Fellow	Royal Geographical Society, UK
43.	2016	B.S. Dwivedi	Dhiru Morarji Memorial Award (Second Prize)	Fertiliser Association of India
44.	2016	Dr. M.C. Meena	Dhiru Morarji Memorial Award	Fertiliser Association of India
45.	2016	Dr. M.C. Meena	Best Poster Award (1 <sup>st</sup> )	International Agronomy Congress at IARI, New Delhi
46.	2016	Dr. M.C. Meena	Best Poster Award (3 <sup>rd</sup> )	International Agronomy Congress at IARI, New Delhi

### Faculty Participation in International Conference/Seminar/Assignments

S. No.	Year	Name of the Faculty Member	Name of International Conference/ Seminar/Assignments	Duration	Place Visited
1.	2007	Dr. R.D. Singh	International Conference on Biodiversity: Issues and Concerns	3 days	Kolkata
2.	2007	Ranjan Bhattacharyya	European Society for Soil Conservation (ESSC) Congress.	7 days	Italy
3.	2008	Ranjan Bhattacharyya	International Soil Conservation Organization Conference	8 days	Hungary
4.	2008	Ranjan Bhattacharyya	EUROSOIL 08 Congress	7 days	Austria



S. No.	Year	Name of the Faculty Member	Name of International Conference/ Seminar/Assignments	Duration	Place Visited
5.	2008	Dr. N.P.S. Yaduvanshi	International Conference on ICON-FARM	5 days	NASC Complex, New Delhi
6.	2009	Dr. N.P.S. Yaduvanshi	4 <sup>th</sup> World Congress on Conservation Agriculture	4 days	NASC Complex, New Delhi
7.	2009	Dr. N.P.S. Yaduvanshi	International Symposium on Balanced Fertilization for Sustaining Crop Productivity	3 days	Bhubaneswer, Odisha
8.	2009	Ranjan Bhattacharyya	International Erosion Control Association	6 days	USA
9.	2009	Ranjan Bhattacharyya	International Soil & Tillage Research Conference	6 days	Turkey
10.	2009	Dr. M.C. Meena	4 <sup>th</sup> World Congress on Conservation Agriculture	4 days	NAAS, New Delhi
11.	2010	Dr. M.C. Meena	5 <sup>th</sup> International Nitrogen Conference	5 days	New Delhi
12.	2010	Dr. R.D. Singh	5 <sup>th</sup> International Nitrogen conference.	5 days	New Delhi
13.	2010	Dr. N.P.S. Yaduvanshi	19 <sup>th</sup> World Congress on Soil Science	6 days	Brisbane, Australia
14.	2010	Dr. N.P.S. Yaduvanshi	University of Adelaide	6 days	Adelaide, Australia
15.	2012	Dr. N. Ahmed	3 <sup>th</sup> International Agronomy Congress	5 days	IARI, New Delhi
16.	2012	Dr. N.P.S. Yaduvanshi	3 <sup>rd</sup> International Agronomy Congress	5 days	IARI, New Delhi
17.	2012	Dr. T.J. Purakayastha	3 <sup>th</sup> International Agronomy Congress	5 days	IARI, New Delhi
18.	2012	Dr. V.K. Sharma	3 <sup>rd</sup> International Agronomy Congress	5 days	ICAR-IARI, New Delhi
19.	2012	Dr. M.C. Meena	3 <sup>rd</sup> International Agronomy Congress	5 days	IARI, New Delhi
20.	2012	Dr. R.D. Singh	3 <sup>rd</sup> International Agronomy Congress	5 days	IARI, New Delhi
21.	2012	Dr. M.C. Meena	The 8 <sup>th</sup> International Symposium on Plant and Soil Interaction at Low pH	5 days	UAS, Bangluru
22.	2014	Dr. N.P.S. Yaduvanshi	4 <sup>th</sup> International Rice Congress	6 days	Bangkok
23.	2015	Chobhe Kapil Atmaram	International Conference on Exportable rice and evolving a sustainable extension model	3 days	IARI, New Delhi
24.	2015	Dr. S.K. Singhal	International conference on "Extension-Research Interface Promotinmg Exportable Rice Varieties And Evolving a Sustainable Development Model"	3 days	ICAR-IARI, New Delhi
25.	2015	Dr. V.K. Sharma	International conference on "Extension-Research Interface Promotinmg Exportable Rice Varieties And Evolving a Sustainable Development Model"	3 days	ICAR-IARI, New Delhi



S. No.	Year	Name of the Faculty Member	Name of International Conference/ Seminar/ Assignments	Duration	Place Visited
26.	2016	Dr. N.P.S. Yaduvanshi	4 <sup>th</sup> International Agronomy Congress	5 days	IARI, New Delhi
27.	2016	Dr. N. Ahmed	4 <sup>th</sup> International Agronomy Congress	5 days	IARI, New Delhi
28.	2016	Dr T.J. Purakayastha	4 <sup>th</sup> International Agronomy Congress	5 days	IARI, New Delhi
29.	2016	Dr. V.K. Sharma	4 <sup>th</sup> International Agronomy Congress	5 days	ICAR-IARI, New Delhi
30.	2016	Dr. R.D. Singh	4 <sup>th</sup> International Agronomy Congress	5 days	ICAR-IARI, New Delhi
31.	2016	Dr. V.K. Sharma	International meet to 7 <sup>th</sup> Indian Horticulture Congress	4 days	ICAR-IARI, New Delhi
32.	2016	Ranjan Bhattacharyya	2 <sup>nd</sup> Global Soil Security Conferece	5 days	Paris, France
33.	2016	Dr. Shrila Das	4 <sup>th</sup> International Agronomy Congress	5 days	New Delhi
34.	2016	Chobhe Kapil Atmaram	4 <sup>th</sup> International Agronomy Congress	5 days	IARI, New Delhi
35.	2016	Dr. M.C. Meena	4 <sup>th</sup> International Agronomy Congress	5 days	IARI, New Delhi

### List of Publications Faculty and Students

S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
1.	Basak, B.B. and Biswas, D.R.	2016	Potentiality of Indian rock phosphate as liming material in acid soil	<i>Geoderma</i> . 263: 104-109	8.77	-
2.	Behera S.K., Shukla Arvind K., Singh M.V. and Dwivedi B.S.	2016	Extractable Boron in Some Acid Soils of India: Status, Spatial Variability and Relationship with Soil Properties	<i>Journal of the Indian Society of Soil Science</i> 64: 183-192	-	-
3.	Behera, S.K., Shukla A.K., Dwivedi B.S. and Lakaria B.L.	2016	Lime and zinc application influence soil zinc availability, dry matter yield and zinc uptake by maize grown on Alfisols	<i>Soil</i> DOI: 10.5194/soil-2016-41	-	-
4.	Bera, T., Collins, H.P., Alva, A.K., Purakayastha, T.J., Patra and A.K. Biochar	2016	Manure effluent effects on soil biochemical properties under corn production	<i>Applied Soil Ecology</i> 107: 360-367	8.64	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
5.	Das, D., Dwivedi, B.S., Singh, V., Datta, S.P., Meena, M.C., Chakraborty, D., Bandyopadhyay, K.K., Kumar, R. and Mishra, R.	2016	Long-term impact of fertilizers and organic sources on soil organic carbon fractions under rice-wheat system in the Indo-Gangetic Plains of northwest India	<i>Soil Research</i> doi.org/10.1071/SR16097	7.32	-
6.	Dey A., Dwivedi B.S., Bhattacharyya R., Datta S.P., Meena M.C., Das T.K. and Singh V.K.	2016	Conservation Agriculture in a Rice-Wheat Cropping System on an Alluvial Soil of North-western Indo-Gangetic Plains: Effect on Soil Carbon and Nitrogen Pools	<i>Journal of the Indian Society of Soil Science</i> 64: 246-254	-	-
7.	Dotaniya, M.L., Datta, S.C., Biswas, D.R., Dotaniya, C.K., Meena, B.L., Rajendiran, S., Regar, K.L. and Manju Lata	2016	Use of sugarcane industrial by-products for improving sugarcane productivity and soil health	<i>International Journal of Recycling of Organic Waste in Agriculture</i> DOI: 10.1007/s40093-016-0132-8	-	-
8.	Ghosh A., Bhattacharyya, R., Dwivedi BS and Meena M.C., Agarwal B.K., Mahapatra P., Shahi D.K., Salwani R. and Agnihotri R.	2016	Temperature sensitivity of soil organic carbon decomposition as affected by long-term fertilization under a soybean based cropping system in a sub-tropical Alfisol	<i>Agriculture, Ecosystems and Environment</i> 233: 202-313	-	-
9.	Golui, D., Datta, S.P., Rattan, R.K., Dwivedi, B.S., Meena, M.C. and Bandyopadhyay, K.K.	2016	Release of metals from sludge amended acid and alkaline soils under different levels of moisture and temperature	<i>Proceedings of the National Academy of Sciences, India Section B: Biological Sciences</i> 86: 1037-1047	6.00	-
10.	Kumararaja, P., Ahammed Shabeer T.P. and K.M. Manjaiah	2016	Effect of bentonite on heavy metal uptake by amaranth ( <i>Amaranthus blitum</i> cv. Pusa Kirti) grown on contaminated soil	<i>Indian Journal of Horticulture</i> 73(2): 224-228	6.13	-
11.	Kumararaja, P., K.M. Manjaiah., S.C. Datta and Binoy Sarkar	2016	Remediation of metal contaminated soil by aluminium pillared bentonite: Synthesis, characterisation, equilibrium study and plant growth experiment	<i>Applied Clay Science</i> 137: 115-122	8.87	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
12.	Mahajan, G.R., Pandey, R.N., Sahoo, R.N., Gupta, V.K., Datta, S.C. and Kumar, D.	2016	Monitoring nitrogen, phosphorus and sulphur in hybrid rice ( <i>Oryza sativa</i> L.) using hyperspectral remote sensing	<i>Precision Agric.</i> DOI: 10.1007/s11119-016-9485-2	7.93	-
13.	Mandal N., Datta S.C., Manjiaiah K.M., Dwivedi B.S., Kumar R. and Aggarwal P.	2016	Evaluation of zincated nanoclay polymer composite (ZCNPC) in releasing Zn, P and effect on soil enzymatic activities in wheat rhizosphere	<i>Journal of Agricultural and Food Chemistry</i>	-	-
14.	Meena, B.L., Rattan, R.K., Datta, S.P. and Meena, M.C.	2016	Effect of iron application on iron nutrition of aerobic rice grown in different soils	<i>Journal of Environmental Biology</i> 37: 1377-1383	6.56	-
15.	Meena, R., Datta, S.P., Golui, D., Dwivedi, B.S. and Meena, M.C.	2016	Long term impact of sewage irrigation on soil properties and assessing risk in relation to transfer of metals to human food chain	<i>Environmental Science and Pollution Research</i> 23: 14269-14283	8.83	-
16.	Moharana, P.C. and Biswas, D.R.	2016	Assessment of maturity indices of rock phosphate enriched composts using variable crop residues	<i>Bioresource Technology</i> 222: 1-13	10.49	-
17.	Moharana, P.C. and Biswas, D.R.	2016	Nutrient transformations in soil amended with rock phosphate enriched composts for improving productivity of wheat-green gram sequence	<i>Journal of Plant Nutrition</i>	6.49	-
18.	Moharana, P.C., Sharma, B.M. and Biswas, D.R.	2016	Changes in the soil properties and availability of micronutrients after six-year application of organic and chemical fertilizers using STCR-based targeted yield equations under pearl millet-wheat cropping system	<i>Journal of Plant Nutrition</i> DOI: 10.1080/01904167.2016.1201504	6.49	-
19.	Nogiya, M. Pandey, R.N. and Singh, B.	2016	Physiological basis of iron chlorosis tolerance in rice ( <i>Oryza sativa</i> ) in relation to the root exudation capacity	<i>Journal of Plant Nutrition</i> 39(11): 1536-1546	6.49	-
20.	Purakayastha, T.J., Das, K.C. Gaskin, Julia, Harris, Keith, Smith, J.L. and Kumari, Savita	2016	Effect of pyrolysis temperatures on stability and priming effects of C3 and C4 biochars applied to two different soils	<i>Soil and Tillage Research</i> 155: 107-115	8.62	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
21.	Ray, P. and Datta, S.P.	2016	Solid phase speciation of Zn and Cd in Zn smelter effluent-irrigated soils	<i>Chemical Speciation &amp; Bioavailability</i> 29: 6-14	6.59	-
22.	Reza, S.K., Singh, S., Datta, S.C., Purakayastha, T.J. and Singh, S.K.	2016	Phosphorus Solubilization Through Organic Acids Production in Pressmud Composted with Rock-phosphate	<i>National Academy of Science Letters</i> DOI: 10.1007/s40009-016-0511-8	6.29	-
23.	Roy, T. D.R. Biswas, S.C. Datta and Abhijit Sarkar	2016	Phosphorus release from rock phosphate as influenced by organic acid loaded nanoclay polymer composites in an Alfisol	<i>Proceedings of the National Academy of Sciences, India Section B: Biological Sciences</i> DOI: 10.1007/s40011-016-0739-6	6.00	-
24.	Sandeep S. and Manjaiah K.M.	2016	Impact of tillage and nutrient management practices on soil aggregate carbon pools of rice-wheat cropping systems in semiarid India	<i>Indian Journal of Geo-marine Sciences</i> 45(2): 207-214	6.13	-
25.	Sandeep S., K.M. Manjaiah, Mayadevi, M.R. and Singh, A.K.	2016	Monitoring temperature sensitivity of soil organic carbon decomposition under maize - wheat cropping systems in semi arid India	<i>Environmental Monitoring and Assessment</i> <i>Environmental Monitoring and Assessment</i> 188(8): 451	7.59	-
26.	Sarkar Abhijit, Biswas, D.R., Datta, S.C., Manjaiah, K.M. and Roy, Trisha	2016	Release of phosphorus from laboratory made coated phosphatic fertilizers in soil under different temperature and moisture regimes	<i>Proceedings of the National Academy of Sciences, India Section B: Biological Sciences</i> DOI: 10.1007/s40011-015-0693-8	6.00	-
27.	Sharma, V.K. and Singhal, S.K.	2016	Maximizing rice ( <i>Oryza sativa</i> ) and wheat ( <i>Triticum aestivum</i> ) productivity and profitability using improved nutrient management practices	<i>Indian Journal of Agricultural Sciences</i> 86(9): 1179-82	6.17	-
28.	Sharma, V.K., Pandey, R.N., Kumar, Sarvendra; Chobhe, Kapil Atmaram and Chandra, Suresh	2016	Soil test crop response based fertilizer recommendations under integrated nutrient management for higher productivity of pearl millet ( <i>Pennisetum glaucum</i> ) and wheat ( <i>Triticum aestivum</i> ) under long term experiment	<i>Indian Journal of Agricultural Sciences</i> 86(8): 1076-81	6.17	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
29.	Singh V.K., Yadvinder-Singh, Dwivedi B.S., Singh S.K., Majumdar K., Jat M.L., Mishra R.P. and Rani M.	2016	Soil physical properties, yield trends and economics after five years of conservation agriculture based rice-maize system in north-west India	<i>Soil and Tillage Research</i> 155: 133-148	-	-
30.	Singh, Y.P., Yadav, Shashi, Tomar, R.S., Yadubanshi, N.P.S. and Dubey, S.K.	2016	Characterization of Salt Affected Soils and suggestions for management of Chambal Command Area of Madhya Pradesh	<i>J. Indian Soc. Soil. Sci.</i> 64(2): 111-119	5.12	-
31.	Verma, B.C., Datta, S.P., Rattan, R.K. and Singh, A.K.	2016	Long-term effect of Tillage, Water and Nutrient Management Practices on mineral nitrogen, available phosphorus and sulphur content under Rice- Wheat Cropping System	<i>Journal of the Indian Society of Soil Science</i> 64: 71-77	4.95	-
32.	Yaduvanshi, N.P.S and Sharma, D.R.	2016	Utilization of Organics, Amendment and Inorganic Fertilizers with Sodic Water Irrigation : Long Term Effect on Soil Properties and Rice - Wheat Productivity	<i>J. Indian Soc. Soil. Sci.</i> 64(3): 255-260	5.12	-
33.	Ghosh, B.N., Meena, V.S. Alam, N.M., Dogra, P., Bhattacharyya, R., Sharma N.K. and Mishra, P.K.	2016	Impact of conservation practices on soil aggregation and the Carbon Management Index after seven years of maize-wheat cropping system in the Indian Himalayas	<i>Agriculture, Ecosystems &amp; Environment</i> 216: 247-257	9.4	-
34.	Bhattacharyya, R., Pandey, A.K., Gopinath, K.A., Bisht, J.K. and Bhatt, J.C.	2016	Fertilization and crop residue addition impacts on yield sustainability under a rainfed maize-wheat system in the Himalayas	<i>Proceedings of the National Academy of Sciences: Section B. Biological Sciences</i> 86: 21-32	6.0	1
35.	Das, T.K., Bandyopadhyay, K.K., Bhattacharyya, R., Sudhishri, S., Sharma, A.R., Behera, U.K., Saharawat, Y.S., Sahoo, P.K., Pathak, H., Vyas, A.K., Bhar, L.M., Gupta, H.S., Gupta, R.K. and Jat, M.L.	2016	Effects of conservation agriculture on crop productivity and water use efficiency under an irrigated pigeonpea-wheat cropping system in the western Indo-Gangetic Plains	<i>Journal of Agricultural Sciences</i> In Press, DOI: 10.1017/S0021859615001264	6.65	-





S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
36.	Bhattacharyya, R., Ghosh, B.N., Dogra, P., Mishra, P.K., Santra, P., Kumar, S., Fullen, M.A., Mandal, U.K., Anil, K.S., Lalitha, L., Sarkar, D., Mukhopadhyay, D., Das, K., Pal, M., Yadav, R., Chaudhary, V.P. and Parmar, B.	2016	Soil conservation issues in India	<i>Sustainability</i> 8: 565 DOI: 10.3390/su8060565	7.017	-
37.	Ghosh, A., Bhattacharyya, R., Dwivedi, B.S., Meena, M.C., Agarwal, B.K., Mahapatra, P., Shahi, D.K., Salwani, R. and Agnihorti, R.	2016	Temperature sensitivity of soil organic carbon decomposition as affected by long-term fertilization under a soybean based cropping system in a sub-tropical Alfisol	<i>Agriculture, Ecosystems &amp; Environment</i> 233: 202-213	9.4	-
38.	Saad, A.A., Das, T.K., Rana, D.S., Sharma, A.R., Bhattacharyya, R. and Lal, K.	2016	Energy auditing of a maize-wheat-greengram cropping system under conventional and conservation agriculture in irrigated north-western Indo-Gangetic Plains	<i>Energy</i> 116: 293-305	10.84	-
39.	Meena R., Datta S.P., Golui D., Dwivedi B.S. and Meena M.C.	2016	Long term impact of sewage irrigation on soil properties and assessing risk in relation to transfer of metals to human food chain	<i>Environmental Science and Pollution Research</i> 23: 14269-14283	8.83	-
40.	Das D., Dwivedi B.S., Singh V.K., Datta S.P. and Meena M.C.	2016	Long-term impact of fertilizers and organic sources on soil organic carbon fractions under rice-wheat system in the Indo-Gangetic Plains of northwest India	<i>Soil Research</i> <a href="http://dx.doi.org/10.1071/SR16097">http://dx.doi.org/10.1071/SR16097</a>	7.32	-
41.	Meena B.L., Rattan R.K., Datta S.P. and Meena M.C.	2016	Effect of iron application on iron nutrition of aerobic rice grown in different soils	<i>Journal of Environmental Biology</i> 37: 1377-1383	6.56	-
42.	Anuradha N., Satyavathi T.C., Meena M.C., Sankar S.M., Bharadwaj C., Bhat J., Singh O. and Singh S.P.	2016	Evaluation of pearl millet ( <i>Pennisetum glaucum</i> (L.) R. Br.) for grain iron and zinc content in different agro climatic zones of India	<i>Indian Journal of Genetics and Plant Breeding</i> 76(4) (In press)	6.19	-
43.	Golui D., Datta S.P., Rattan R.K., Dwivedi B.S., Meena M.C. and Bandyopadhyay K.K.	2016	Release of metals from sludge amended acid and alkaline soils under different levels of moisture and temperature	<i>Proceedings of the National Academy of Sciences, India Section B: Biological Sciences</i> 86: 1037-1047	6.00	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
44.	Dey A., Dwivedi B.S., Bhattacharyya R., Datta S.P., Meena M.C., Das T.K. and Singh V.K.	2016	Conservation agriculture in a rice-wheat cropping system on an alluvial soil of north-western Indo-Gangetic Plains: Effect on soil carbon and nitrogen pools	<i>Journal of the Indian Society of Soil Science</i> 64(3) (In press)	4.95	-
45.	Shukla A.K., Sinha N., Tiwari P., Sharma N.C., Behera S.K., Lenka N., Singh V.K., Dwivedi B.S., Majumdar K., Kumar A., Srivastav P.C., Pachauri S.P., Meena M.C., Lakaria B.L. and Siddiqui S.	2016	Spatial distribution and management zones for sulfur and micronutrients in Shiwalik Himalayan region of India	<i>Land Degradation and Development</i> DOI: 10.1002/ldr.2673	9.09	-
46.	Dwivedi B.S., Singh V.K., Meena M.C., Dey A. and Datta S.P.	2016	Integrated nutrient management for enhancing nitrogen use efficiency	<i>Indian Journal of Fertilisers</i> 12(4): 62-71	3.78	-
47.	Shukla A.K., Meena M.C., Tiwari P.K., Prakash C., Singh P., Tagore G.S., Rai H.K. and Patra A.K.	2016	Current status of micronutrient deficiencies in soils and crop-specific recommendations for different agro-climatic zones of Madhya Pradesh	<i>Indian Journal of Fertilisers</i> 12(3): 26-35	3.78	-
48.	Meena M.C., Meena P.D., Shukla A.K., Barman M., Singh P., Meena M.K. and Kumar K.	2016	Role of plant nutrients in enhancing productivity and managing diseases of oilseed Brassica	<i>Journal of Oilseed Brassica</i> 7(1): 1-20	3.43	-
49.	S. Das, K. Aditya and M. Singh	2016	Evaluation of <i>Rhizobium</i> Efficiency in Chickpea Through Boron Management	<i>Quarterly Research Journal of Plant &amp; Animal Sciences/Bhartiya Krishi Anusandhan Patrika</i> 31(3): 181-186	3.07	-
50.	Arun Kumar, K., Singh, R.D., Patra, A.K. and Sahu, S.K.	2015	Impact of Canopy And Seasonal Dynamics on Oak and Pine Soil Microbial Community Composition and Other Biological Indicators in Garhwal Himalayas	<i>Ecology, Environment and Conservation</i> 21: 201-211	5.02	-
51.	Awasthi, O.P., Dubey, A.K., Sharma, V.K., Prakash, Jai, Goswami, A.K. and Sharma, R.M.	2015	Saline irrigation induced changes in growth, physiology and ionic relations in kinnow budded on Jatti khatti and Sohsarkar	<i>Indian Journal of Horticulture</i> 72(3): 313-318	6.13	-
52.	Barman, M., Datta, S.P., Rattan, R.K. and Meena, M.C.	2015	Chemical fractions and bioavailability of nickel in alluvial soils	<i>Plant, Soil and Environment</i> 61: 17-22	7.23	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
53.	Charu Lata, Kumar, A., Sharma, S.K., Setter, T.L. Singh., M, Prasad, K.R.K. and Yaduvanshi N.P.S.	2015	Combined Effects of Excess Boron and Salinity in Wheat Varieties Differing in Tolerance to These Stresses	<i>J. of Soil Salinity and Water Quality</i> 7(2): 107-114	4.94	-
54.	Debnath S, Patra AK, Nazeer-Ahmed, Kumar S and Dwivedi BS	2015	Assessment of microbial biomass and enzyme activities in soil under temperate fruit crops in North Western Himalayan region	<i>Journal of Soil Science and Plant Nutrition</i> 15: 848-866	-	-
55.	Deshmukh, S.K., Singh, A.K. and Datta, S.P.	2015	Impact of wastewater irrigation on the dynamics of metal concentrations in the vadose zone: simulation with NETPATH—part II)	<i>Environmental Monitoring and Assessment</i> 187(12): 764 ( <a href="http://link.springer.com/article/10.1007/s10661-015-4962-z">http://link.springer.com/article/10.1007/s10661-015-4962-z</a> )	7.68	-
56.	Deshmukh, S.K., Singh, A.K. and Datta, S.P.	2015	Impact of wastewater irrigation of metal concentrations in the vadose zone: monitoring: part I	<i>Environmental Monitoring Assessment</i> 187: 695 DOI: 10.1007/s10661-015-4898-3	7.68	-
57.	Dey, Abir, Dwivedi, B.S., Datta, S.P., Meena, M.C. and Agarwal, B.K.	2015	Soil boron status: impact of lime and fertilizers in an Indian long-term field experiment on a Typic Paleustalf	<i>Acta Agriculturae Scandinavica, Section B- Soil &amp; Plant Science</i> 65: 54-62	6.65	-
58.	Dhakar, M.K., Singh, A.K., Patel, V.B., Singh, S.K., Datta, S.P., Kumar Rajesh and Khanna, Manoj	2015	Effect of different nitrogen sources and nitrification inhibitors on soil nitrogen distribution in kinnow orchard	<i>Indian Journal of Horticulture</i> 72: 178-182	6.13	-
59.	Dotaniya, M.L., Datta, S.C., Biswas, D.R., Meena, H.M., Rajendiran, S. and Meena, A.L.	2015	Phosphorus dynamics mediated by bagasse, press mud and rice straw in Inceptisol of North India	<i>Agrochimica</i> 59: DOI: 10.12871/0021857201547	6.31	-
60.	Golui, D., Datta, S.P., Rattan, R.K., Dwivedi, B.S., Meena, M.C. and Bandyopadhyay, K.K.	2015	Release of zinc and cadmium from sludge amended soils as influenced by varying levels of moisture and temperature	<i>Journal of Environmental Biology</i> 36: 979-984	6.56	-
61.	Gorai, T, Ahmed, N., Sahoo, R.N., Pradhan, S., Datta, S.C. and Sharma R.K.	2015	Spatial variability mapping of soil properties at farm scale	<i>Journal of Agricultural Physics</i> 15: 29-37	3.79	-



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62.	Gorai, T., Ahmed, N., Patra, A.K., Sahoo, R.N., Sarangi, A., Meena, M.C. and Sharma R.K.	2015	Site Specific Nutrient Management of an Intensively Cultivated Farm Using Geostatistical Approach.	<i>Proceedings of the National Academy of Sciences, Biological Sciences</i> DOI: 10.1007/s40011-015-0590-1	6.00	-
63.	Jaya, N. Surya., Walia, C.S., Ahmed, N., Singh, H., Goyal, V. and Khajuria, V.	2015	Characterization and clay minerals composition of soils derived from metamorphic formation of Kumaon Himalayas	<i>Clay Research</i> 34: 15-24	3.62	-
64.	K. Arunkumar, Singh, R.D., Bhople, B.S. and Sapkal, D.R.	2015	Conventional Indian Soil Testing: Need for Major Change	<i>Current Science</i>	6.83	-
65.	Kumar Dhiraj, Purakayastha, T.J. and Shivay, Y.S.	2015	Long Term Effect of Organic Manures and Biofertilizers on Physical and Chemical Properties of Soil and Productivity of Rice-Wheat System	<i>International Journal of Bio-resource and Stress Management</i> 6(5): 623-630	4.46	-
66.	Kumar Sarvendra, Patra, A.K., Purakayastha, T.J. and Rosin, K.G.	2015	Phytotoxicity of nanoparticles to seed germination of plants	<i>International Journal of Advanced Research</i> 3: 854-865	-	-
67.	Kumar, Dinesh, Ahmed, Nazeer and Sharma V.K.	2015	Impact of integrated nitrogen management on nut yield and soil fertility in almond under North Western Himalayan Region of India	<i>Indian Journal of Agricultural Sciences</i> 85(11): 1484-7	6.17	-
68.	Kumar, M., Yaduvanshi, N.P. S. and Singh, Y.V.	2015	Residual Effect of Organics with Inorganic Fertilizers on Soil Fertility, Growth and Yield of Wheat under Reclaimed Sodic Soils	<i>Annals of Plant &amp; Soil Res.</i> 17(3): 248-252	4.39	-
69.	Kumararaja, P. and K.M. Manjaiah	2015	Adsorptive removal of Ni and Cd by bentonite from aqueous system	<i>Ecology, Environment and Conservation</i> 21: 265-272	5.02	-
70.	Mallikarjuna, M.G., Nepolean T., Firoz Hossain, Bhat, J.S., Jha, S.K., Rathore, P., Agrawal, P.K., Pattanayak, A., Reddy, S.S., Gularia, S.K., Singh, A.M., Manjaiah, K.M. and Gupta, H.S.	2015	Stability Performance of Inductively Coupled Plasma Mass Spectrometry-Phenotyped Kernel Minerals Concentration and Grain Yield in Maize in Different Agro-Climatic Zones	<i>PLoS ONE</i> 10(9): e0139067 DOI: 10.1371/journal.pone.0139067	9.44	-



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71.	Mallikarjuna, MG., Nepolean T., Shikha Mittal, Firoz Hossain, Bhat, J.S., Manjaiah, K.M., S.S. Marla., Amitha C.R. Mithra., Agrawal, P.K., A.R. Rao. and Gupta, H.S.	2015	In-silico characterization and comparative mapping of yellow stripe like (YSL) transporters in five grass species	<i>The Indian Journal of Agricultural Sciences</i> 86(5): 621-627	6.0	-
72.	Manisha, Yaduvanshi, N.P.S., Rani Devi and Kumar, Ajay	2015	Effect of wheat residue with inorganic fertilizers on soil properties, growth and yield of rice ( <i>Oryza Sativa</i> ) in reclaimed sodic soil	<i>J. of Soil Salinity and Water Quality</i> 7(2): 132-137	4.94	-
73.	Moharana, P.C. Biswas, D.R. and Datta, S.C.	2015	Mineralization of nitrogen, phosphorus and sulphur in soil as influenced by rock phosphate enriched compost and chemical fertilizers	<i>Journal of the Indian Society of Soil Science</i> 63: 283-293	4.95	-
74.	Mondal S., Singh R.D., Patra A.K. and Dwivedi B.S.	2015	Changes in soil quality in response to short-term application of municipal sewage sludge in a Typic Haplustept under cowpea-wheat cropping system Environmental Nanotechnology	<i>Monitoring and Assessment</i> 4: 37-41	-	-
75.	Mondal, Surajit, Singh, R.D., Patra, A.K. and Dwivedi, B.S.	2015	Changes in soil quality in response to short-term application of municipal sewage sludge in a typic haplustept under cowpea-wheat cropping system	<i>Environmental Nanotechnology, Monitoring &amp; Management</i> DOI: 10.1016/j.enmm. 2014. 12.001 (Published from Elsevier)	-	-
76.	Pandey N., Hossain F., Kumar K., Vishwakarma A.K., Muthusamy V., Manjaiah K.M., Agrawal P.K., Guleria S.K., Reddy S.S., Thirunavukkarasu N. and Gupta H.S.	2015	Microsatellite marker-based genetic diversity among quality protein maize (QPM) inbreds differing for kernel iron and zinc	<i>Molecular Plant Breeding</i> 6(3): 1-10 DOI: 10.5376/mpb.2015.06.0003	7.01	-
77.	Purakayastha, T.J., Kumari, S., Sasmal, S. and Pathak, H.	2015	Biochar carbon sequestration in soil – A myth or reality?	<i>International Journal of Bioresource and Stress Management</i> 6(5): 623-630	4.46	-



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78.	R.Gobinath, R.D.Singh, S.C. Datta, S.P. Datta and Sarvendra Kumar	2015	Characterization of Iron Nano Particles (Fe <sub>2</sub> O <sub>3</sub> ) Synthesized through Co-precipitation and Sol-Gel Methods	<i>Clay Research</i> 34 (2) 1-9	3.62	-
79.	Ramachandran, S. and Biswas, D.R.	2015	Nutrient management on crop productivity and changes in soil organic carbon and fertility in a 4-year-old maize-wheat cropping system in Indo-Gangetic Plains of India	<i>Journal of Plant Nutrition</i> DOI: 10.1080/01904167.2015.1087028	6.49	-
80.	Ramesh T., K.M. Manjaiah, Mohapatra T., K. Rajasekar and S.V. Ngachan	2015	Assessment of soil organic carbon stocks and fractions under different agroforestry systems in subtropical hill agroecosystems of north-east India	<i>Agroforestry Systems</i> 89: 677-690	7.37	-
81.	Ray, Prasenjit, Singhal, Sunil Kumar, Datta, Siva Prasad and Rattan, Raj Kumar	2015	Effect of zinc sulphate and organics on Zn content and yield of <i>Chenopodium</i> grown in different soils	<i>Proc. Natl. Acad. Sci. India, sect. B Biol. Sci.</i> 6 DOI: 10.1007/s40011-015-0649-z	-	-
82.	Roy, T., Biswas, D.R., Datta, S.C., Dwivedi, B.S., Lata, Bandyopadhyay, K.K., Sarkar, Abhijit, Agarwal, B.K. and Shahi, D.K.	2015	Solubilization of Purulia rock phosphate through organic acid loaded nanoclay polymer composite and phosphate solubilizing bacteria and its effectiveness as P-fertilizer to wheat	<i>Journal of the Indian Society of Soil Science</i> 63: 327-338	4.95	-
83.	Sandeep, S, K.M. Manjaiah, Sharmistha Pal and A.K. Singh	2015	Soil carbon fractions under maize-wheat system: effect of tillage and nutrient management	<i>Environmental Monitoring and Assessment</i> 188(1): 14 DOI: 10.1007/s10661-015-4995-3	7.59	-
84.	Sarkar, S., Datta, S.C. and Biswas, D.R.	2015	Effect of fertilizer loaded nanoclay/ superabsorbent polymer composites on nitrogen and phosphorus release in soil	<i>Proceedings of the National Academy of Sciences, India Section B: Biological Sciences</i> 85(2): 415-421	6.00	-
85.	Selladurai, Rajendiran and Purakayastha, T.J.	2015	Effect of humic acid multinutrient fertilizers on yield and nutrient use efficiency of potato	<i>Journal of Plant Nutrition</i> DOI:10.1080/01904167.2015	6.49	-



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86.	Sharma, S.K., Gurbachan Singh, P. Ramkrishna and Yaduvanshi, N.P.S.	2015	Effects of Sodcity on Plant Growth, Seed Yield and Physiological Processes of Physic Nut ( <i>Jatropha curcas</i> ) in Alkali Soils of Northwest India	<i>J. of Soil Salinity and Water Quality</i> 7(2): 124-131	4.94	-
87.	Sharma, V.K., Pandey, R.N. and Sharma, B.M.	2015	Studies on long term impact of STCR based integrated fertilizer use on pearl millet ( <i>Pennisetum glaucum</i> ) - wheat ( <i>Triticum aestivum</i> ) cropping system in semi arid condition of India	<i>Journal of Environmental Biology</i> 36:241-247	6.56	3
88.	Singh V.K., Dwivedi B.S., Shukla Arvind K., Kumar V., Gangwar B., Meenu Rani, Singh S.K. and Mishra R.P.	2015	Status of available sulphur in soils of north-western Indo-Gangetic Plain and Western Himalayan Region and response of rice and wheat to applied sulphur in farmers' fields	<i>Agricultural Research</i> 4: 76-92	-	-
89.	Singh V.K., Mishra R.P., Dwivedi B.S., Singh S.K. and Majumdar K.	2015	Balanced phosphorus application for improved yield and nutrient use efficiency under rice-wheat systems of India	<i>Better Crops-South Asia</i> 9(1): 31-34	-	-
90.	Singh V.K., Rani M., Dwivedi B.S., Singh S.K., Gupta V.K., Majumdar K. and Mishra R.P.	2015	Soil organic carbon stock variability in the Northern Gangetic Plains of India: interaction between agro-ecological characteristics and cropping systems	<i>Soil Use and Management</i> 31: 431-473	-	-
91.	Singh V.K., Shukla A.K., Dwivedi B.S., Singh M.P., Majumdar K., Kumar V., Mishra R.P., Meenu Rani and Singh S.K.	2015	Site-specific nutrient management under rice-based cropping systems in Indo-Gangetic Plains: yield, profit and apparent nutrient balance	<i>Agricultural Research</i> 4: 365-377	-	-
92.	Thakre Madhubala, Verma, M. K., Singh, K., Awasthi, O.P., Verghese, Eldho and Sharma, V.K.	2015	Effect of nutrition, harvesting date and fruit canopy position on yield and quality of Kinnow mandarin ( <i>Citrus nobilis</i> × <i>Citrus deliciosa</i> )	<i>Indian Journal of Agricultural Sciences</i> 85(11): 1455-60	6.17	-
93.	Yaduvanshi, N. P.S.	2015	Nutrient Management Strategies for Sustaining Crop Production in use of Sodic Water Irrigation	<i>Annals of Plant and Soil Res.</i> 17(2): 114-124	4.39	-



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94.	Yaduvanshi, N.P.S., Lal, K. and Swarup, A.	2015	Effect of sodic water irrigation with sulphur through single super phosphate on yield, mineral composition and soil properties in rice-wheat system	<i>J. of Soil Salinity and Water Quality</i> 7: 35-39	4.94	-
95.	Bhattacharyya, R., Das, T.K., Sudhishri, S., Dudhwal, A., Sharma, A.R., Bhatia, A. and Singh, G.	2015	Conservation agriculture effects on soil organic carbon accumulation and crop productivity under a rice-wheat cropping system in the western Indo-Gangetic Plains	<i>European Journal of Agronomy</i> 70: 11-21	8.7	1
96.	Mishra, A.K., Aggarwal, P., Bhattacharyya, R., Das, T.K. Sharma, A.R. and Singh, R.	2015	Least limiting water range for two conservation agriculture cropping systems in India	<i>Soil and Tillage Research</i> 150: 43-56	8.62	2
97.	Ghosh, B.N., Dogra, P., Sharma, N.K., Bhattacharyya, R. and Mishra, P.K.	2015	Conservation agriculture impact for soil conservation in maize-wheat cropping system in the Indian Sub-Himalayas	<i>International Soil and Water Conservation Research</i> 3: 112-118	-	-
98.	Mahanta, D., Bhattacharyya, R., Sahoo, D.C., Tuti, M.D., Gopinath, K.A., Arunkumar R., Mina, B.L., Pandey, B.M., Bisht, J.K., Srivastva, A.K. and Bhatt, J.C.	2015	Optimization of farmyard manure to substitute mineral fertilizer for sustainable productivity and higher carbon sequestration potential and profitability under gardenpea-frenchbean cropping system in the Indian Himalayas	<i>Journal of Plant Nutrition</i> 38: 1709-1733	6.49	1
99.	Bhattacharyya, R., Ghosh, B.N., Mishra, P.K., Mandal, B., Ch Srinivasa Rao, Sarkar, D., Das, K., Anil, K.S., Lalitha, M., Hati, K.M. and Franzluebbbers, A.J.	2015	Soil degradation in India: Challenges and potential solutions	<i>Sustainability</i> 7: 3528-3570	7.017	7
100.	Ghosh, B.N., Khola, O.P.S, Bhattacharyya, R., Dadhwal, K.S. and Mishra, P.K.	2015	Effect of potassium on soil conservation and productivity of maize ( <i>Zea mays</i> L.)/ cowpea ( <i>Vigna sinensis</i> L.) based crop rotations in the north-west Indian Himalayas	<i>Journal of Mountain Science</i> In Press, DOI: 10.1007/s11629-013-2885-0	6.96	-





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101.	Dey A., Dwivedi B.S., Datta S.P., Meena M.C. and Agarwal B.K.	2015	Soil boron status: impact of lime and fertilizers in an Indian long-term field experiment on a Typic Paleustalf	<i>Acta Agriculturae Scandinavica, Section B- Soil &amp; Plant Science</i> 65: 54-62	6.65	-
102.	Golui D., Datta S.P., Rattan R.K., Dwivedi B.S., Meena M.C. and Bandyopadhyay K.K.	2015	Release of zinc and cadmium from sludge amended soils as influenced by varying levels of moisture and temperature	<i>Journal of Environmental Biology</i> 36: 979-984	6.56	-
103.	Gorai T., Ahmed N., Patra A.K., Sahoo R.N., Sarangi A., Meena M.C. and Sharma R.K.	2015	Site Specific Nutrient Management of an Intensively Cultivated Farm Using Geostatistical Approach	<i>Proceedings of the National Academy of Sciences, Biological Sciences</i> DOI: 10.1007/s40011-015-0590-1	6.00	-
104.	Nath C.P., Das T.K., Rana K.S., Pathak H., Bhattacharyya R., Paul S., Singh S.B. and Meena M.C.	2015	Weed management and wheat productivity in a conservation agriculture-based maize-wheat-mung-bean system in north-western Indio-Gangetic plains	<i>Indian Journal of Agronomy</i> 60(4): 554-563	5.00	-
105.	Meena P.D., Asha-Rani, Meena M.C., Pankaj Sharma, Kandpal B. and Singh D.	2015	Role of nutrients and lower leaf removal against Alternaria Blight in Indian Mustard ( <i>Brassica juncea</i> L.)	<i>Plant Pathology Journal</i> 14: 92-96	6.72	-
106.	Dwivedi B.S. and Meena M.C.	2015	Soil Testing Service – Retrospect and prospects	<i>Indian Journal of Fertilisers</i> 11(10): 110-122	3.78	-
107.	Das D., Dwivedi BS, Meena M.C., Singh V.K. and Tiwari K.N.	2015	Integrated nutrient management for improving soil health and crop productivity	<i>Indian Journal of Fertilisers</i> 11(4): 64-83	3.78	-
108.	Pradhan, A.K., Beura, K.S., Das, R., Padhan, D., Hazra, G.C., Mandal, B., De, N., Mishra, V.N., Polara, K.B. and Sharma S.	2015	Evaluation of extractability of different extractants for zinc and copper in soils under long-term fertilization	<i>Plant Soil Environment</i> 61(5): 227-233	7.2	-
109.	Barman, M., Datta, S.P. and Rattan, R.K.	2014	Identification of the solid phase in relation to the solubility of nickel in alluvial soils	<i>Journal of Environmental Biology</i> 35: 901-906	6.56	-
110.	Barman, M., Shukla, L.M., Datta, S.P. and Rattan, R.K.	2014	Effect of applied lime and boron on the availability of nutrients in an acid soils	<i>Journal of Plant Nutrition</i> 37: 357-373	6.49	-
111.	Basak, B.B. and Biswas, D.R.	2014	Carbon and nitrogen mineralization in soil amended with value added manures and fertilizers under varying temperature and soil moisture regimes	<i>Journal of the Indian Society of Soil Science</i> 62: 18-28	4.95	-



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112.	Bera, T., Purakayastha, T.J. and Patra, A.K.	2014	Spectral, Chemical and Physical characterisation of mustard stalk biochar as affected by temperature	<i>Clay Research</i> 33: 36-45	4.46	-
113.	Bhaduri D., Purakayastha T.J., Bhar L.M., Patra A.K. and Sarkar B.	2014	Impact of integrated management on yield sustainability in relation to soil quality under a rice-wheat cropping system	<i>National Academy of Science Letters</i> 37(1): 25-31	6.29	-
114.	Bhaduri D., Purakayastha T. J., Patra A.K. and Chakraborty D.	2014	Evaluating soil quality under a long-term integrated tillage-water-nutrient experiment with intensive rice-wheat rotation in a semi-arid Inceptisol, India	<i>Environmental Monitoring and Assessment</i> 186(4): 2535-2547	7.68	-
115.	Bhaduri, D. and Purakayastha T.J.	2014	Long-term tillage, water and nutrient management in rice-wheat cropping system: Assessment and response of soil quality	<i>Soil and Tillage Research</i> 144: 83-95	8.62	-
116.	Bhaduri, D., Purakayastha T.J., Patra A.K., Singh, M. and Sarkar, S.	2014	Combined effect of tillage-water-nutrient management under rice-wheat agro-ecosystem: A study on chemical indicators of soil quality	<i>Agrochimica</i> 58(1): 63-76	6.21	-
117.	Biswas, D.R. and Basak, B.B.	2014	Mobilization of potassium from waste mica by potassium-solubilizing bacteria ( <i>Bacillus mucilaginosus</i> ) as influenced by temperature and incubation period under in vitro laboratory conditions	<i>Agrochimica</i> 58(4): 309-320	6.21	-
118.	Das Bappa, Chakraborty D., Singh V.K., Aggarwal P., Singh Ravender and Dwivedi B.S.	2014	Effect of organic inputs on strength and stability of soil aggregates under rice-wheat rotation	<i>International Agrophysics</i> 28: 163-168	-	-
119.	Das, T.K., Bhattacharyya, R., Sudhishri, S., Sharma, A.R., Saharawat, Y.S., Bandyopadhyay, K.K., Sepat, S., Bana, R.S., Aggarwal, P., Sharma, R.K., Bhatia, A., Singh, G., Datta, S.P., Kar, A., Singh, B., Singh, P., Pathak, H., Vyas, A.K. and Jat, M.L.	2014	Conservation agriculture in an irrigated cotton-wheat system of the western Indo-Gangetic Plains: Crop and water productivity and economic profitability	<i>Field Crops Research</i> 158: 24-33	8.98	-



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120.	Dey, A., Dwivedi, B.S., Meena, M.C., Datta, S.P. and Kumar, A.	2014	Soil boron fractions and their contribution towards their availability and uptake by wheat on a Typic Haplustept under long-term fertilization	<i>Journal of the Indian Society of Soil Science</i> 62: 384-390	4.95	-
121.	Dotaniya, M.L., Datta, S.C., Biswas, D.R., Meena, H.M. and Kuldeep Kumar	2014	Production of oxalic acid as influenced by the application of organic residue and its effect on phosphorus uptake by wheat ( <i>Triticum aestivum</i> L.) in an Inceptisol of north India	<i>Proceedings of the National Academy of Sciences, India Section B: Biological Sciences</i> 37(5): 401-405	6.00	-
122.	Dotaniya, M.L., Datta, S.C., Biswas, D.R., Meena, H.M. and Kuldeep Kumar	2014	Effect of organic sources on phosphorus fractions and available phosphorus in Typic Haplustept	<i>Journal of the Indian Society of Soil Science</i> 62: 80-83	4.95	-
123.	Girija Veni, Rattan, R.K., Datta, S.P. and Sharma, K.L.	2014	Zinc sorption behaviour in soils with divergent characteristics	<i>Communications in Soil Science and Plant Analysis</i> 45: 2697-2711	6.39	-
124.	Golui, D., Datta, S.P., Rattan, R.K., Dwivedi, B.S. and Meena, M.C.	2014	Predicting bioavailability of metals from sludge amended soils	<i>Environmental Monitoring and Assessment</i> 186: 8541-8553	7.68	-
125.	Hussain A., Kumar D., Dwivedi B.S., Rana D.S. and Gangaiah B.	2014	Relative response of Bt cotton ( <i>Gossypium hirsutum</i> ) to balanced fertilization in irrigated cotton-wheat cropping system	<i>African Journal of Agricultural Research</i> 9: 21-33	-	-
126.	Kumar Sarvendra, Patra, A.K., Singh, Dhyan, Purakayastha, T. J., Rosin, K.G. and Kumar, Manoj	2014	Long-term chemical fertilization along with farmyard manure enhances resistance and resilience of soil microbial activity against heat stress	<i>Journal of Agronomy and Crop Science</i> 200: 156-162	8.44	-
127.	Kumar, Anil, Singhal, S.K., Sharma, V.K. and Singh, Devendar	2014	Effect of rock phosphate enriched organic sources of phosphorus in wheat under Typic Haplustept	<i>Annals of Plant and Soil Research</i> 16(4): 323-326	4.39	-
128.	Kumari, Savita, Singh, A.K., Verma, A.K. and Yaduvanshi, N.P.S.	2014	Assessment and spatial distribution of groundwater quality in industrial areas of Ghaziabad, India	<i>Environmental Monitoring and Assessment</i> 186: 501-514	7.63	12



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129.	Mahajan, G.R., Pandey, R.N., Datta, S.C. Kumar, D. Sahoo, R.N. and Parsad, R.	2014	Development of Critical Values for the Leaf Color Chart, SPAD and Fieldscout CM 1000 for Fixed Time Adjustable Nitrogen Management in Aromatic Hybrid Rice ( <i>Oryza sativa</i> L.)	<i>Communications in Soil Science and Plant Analysis</i> 45: 1877-1893	6.39	2
130.	Mahajan, G.R., Pandey, R.N., Datta, S.C. Kumar, D. Sahoo, R.N. and Parsad, R.	2014	Fertilizer nitrogen, phosphorus and sulphur prescription for aromatic hybrid rice ( <i>Oryza sativa</i> L.) using targeted yield approach	<i>Proceedings of the National Academy of Sciences, India Section B: Biological Sciences</i>	6	1
131.	Mahajan, G.R., Sahoo, R.N., Pandey, R.N., Gupta, V.K. and Kumar, D.	2014	Using hyperspectral remote sensing techniques to monitor nitrogen, phosphorus, sulphur and potassium in wheat ( <i>Triticum aestivum</i> L.)	<i>Precision Agriculture</i> 15: 499-422	7.93	10
132.	Mahanta, Dibakar, Rai, Raj K., Mishra Shiva Dhar, Raja Arunkumar, Purakayastha, Tapan J. and Varghese, Eldho	2014	Influence of phosphorus and biofertilizers on soybean and wheat root growth and properties	<i>Field Crops Research</i> 166: 1-9	8.98	-
133.	Mallikarjuna M. G., Nepolean T., Hossain Firoz, Manjiaiah K.M., Anju Mahendru, Singh and Gupta H.S.	2014	Genetic variability and correlation of kernel micronutrients among exotic quality protein maize inbreds and their utility in breeding programme	<i>Indian Journal of Genetics and Plant Breeding</i> 74(2): 166-173	6.2	-
134.	Mandal, Asit, Purakayastha, T.J. and Patra, A.K.	2014	Phytoextraction of arsenic contaminated soil by Chinese brake fern ( <i>Pteris vittata</i> L.): Effects on soil microbial activities	<i>Biology and Fertility of Soils</i> 50: 1247-1252	9.40	-
135.	Mandal, Asit, Purakayastha, T.J., Ramana, S., Neenu, S., Bhaduri, Debarati, Chakraborty, K., Manna, M.C. and Rao, Subba A.	2014	Status on phytoremediation of Heavy Metals in India- A Review	<i>International Journal of Bio-resource and Stress Management</i> 5(4): 553-560	4.46	-
136.	Meena, H.M., Sachdev, M.S. and Manajaiah, K.M.	2014	Nitrification inhibition potential of <i>Brachiaria humidicola</i>	<i>National Academy Science Letters</i> 37(2): 113-116	6.07	-



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137.	Meena, M.D. and Biswas, D.R.	2014	Changes in biological properties in soil amended with rock phosphate and waste mica enriched compost using biological amendments and chemical fertilizers under wheat-soybean rotation	<i>Journal of Plant Nutrition</i> 37: 2050-2073	6.49	-
138.	Meena, M.D. and Biswas, D.R.	2014	Phosphorus and potassium transformations in soil amended with enriched compost and chemical fertilizers in a wheat-soybean cropping system	<i>Communications in Soil Science and Plant Analysis</i> 45: 624-652	6.42	-
139.	Meena, M.D. and Biswas, D.R.	2014	Effect of rock phosphate enriched compost and chemical fertilizers on microbial biomass phosphorus and phosphorus fractions	<i>African Journal of Microbiology Research</i> 9(23): 1519-1526	5.00	-
140.	Moharana, P.C. Biswas, D.R., Patra A.K., Datta, S.C., Singh R.D., Lata and Bandyopadhyay, K.K.	2014	Soil nutrient availability and enzyme activities under wheat-green gram crop rotation as affected by rock phosphate enriched compost and inorganic fertilizers	<i>Journal of the Indian Society of Soil Science</i> 62: 224-234	4.95	-
141.	Moharana, P.C., Biswas D.R., Patra, A.K., Datta, S.C., Singh, R.D., Lata and Bandyopadhyay K.K.	2014	Soil Nutrient Availability and Enzyme Activities under Wheat-Green gram Crop Rotation as Affected by Rock Phosphate Enriched Compost and Inorganic Fertilizers	<i>Journal of the Indian Society of Soil Science</i> 62(3): 224-234	4.95	-
142.	Rakshit, R., Patra, A.K., Purakayastha, T.J., Singh, R.D., Pathak, H. and Shiva Dhar	2014	Super-optimal nitrogen, phosphorus, potassium along with foliar iron application influences bioavailability of iron and zinc of wheat	<i>Proceedings of National Academy of Science, India, Section-B</i> (DOI: 10.1007/s40011-014-0428-2)	6.40	-
143.	Rakshit, R., Patra, A.K., Purakayastha, T.J., Singh, R.D., Pathak, H. and Shiva Dhar	2014	Effect of super-optimal dose of NPK fertilizers on nutrient harvest index, uptake and soil fertility levels in wheat crop under a maize ( <i>Zea mays</i> L.)-Wheat ( <i>Triticum aestivum</i> L.) cropping system	<i>International Journal of Bioresource and Stress Management</i> 6(2): 15-23	4.46	-
144.	Ram, R.L., Sharma, P.K. and Ahmed, N.	2014	Characterization and fertility assessment of soils of Markapur Mandal, Prakasham District, Andhra Pradesh for sustainable land use	<i>Indian Journal of Agricultural Research</i> 48: 127-133	3.86	-



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145.	Ramesh T., K.M. Manjaiah, S.V. Ngachan and K. Rajasekar	2014	Chemical and structural characterization of soil humic substances under different land use systems in sub-tropical regions of northeast India	<i>Indian Journal of Horticulture</i> 71(3): 360-366	6.13	-
146.	Ranvir Singh, Yaduvanshi, N. P.S., Singh, K. N., Sushil Kumar, Mishra, V.K., Singh, Y.P. and Sharma, D.K.	2014	Bio-chemical amelioration effects on physico-chemical dynamics of sodic soils under rice ( <i>Oryza sativa</i> ) –wheat ( <i>Triticum aestivum</i> ) cropping system	<i>Indian J. of Agricultural Sciences</i> 84(3): 349-55	6.17	-
147.	Sandeep S. and Manjaiah K.M.	2014	Thermal stability of organic carbon in soil aggregates of maize-wheat system in semi arid India	<i>Journal of Soil Science and Plant Nutrition</i> 14(3): 625-639	6.78	-
148.	Sanyal S.K., Dwivedi B.S., Singh V.K., Majumdar K., Datta S.C., Pattanayak S.K. and Annapurna K.	2014	Phosphorus in relation to dominant cropping sequences in India: chemistry, fertility relations and management options. Special Section: Sustainable Phosphorus management	<i>Current Science</i> 108: 1262-1270	-	-
149.	Sharma V.K. and Singhal, S.K.	2014	Validation of soil test based fertilizer prescriptions for targeted yield of pearl millet, rice, wheat and mustard on inceptisols at farmer's field	<i>Annals of Plant and Soil Research</i> 16(4): 367-371	4.39	-
150.	Sharma, V.K., Dwivedi, S.K., Awasthi, O.P. and Verma, M.K.	2014	Variation in nutrient composition of seabuckthorn leaves collected from different locations of cold arid region of Ladakh	<i>Indian Journal of Horticulture</i> 71(3): 421-423	6.13	-
151.	Singh Sandeep, Singh Harvender, Choudhary, Seema and Sharma, V.K.	2014	Effect of integrated use of rockphosphate, molybdenum and phosphate solubilizing bacteria on lentil ( <i>Lens culinaris</i> ) in an alluvial soil	<i>Indian Journal of Agronomy</i> 59(3): 433-438	5.46	-
152.	Singh V.K., Dwivedi B.S., Tiwari K.N., Majumdar K., Rani M., Singh S.K. and Timsina J.	2014	Optimizing nutrient management strategies for rice-wheat system in the Indo-Gangetic Plains and adjacent region for higher productivity, nutrient use efficiency and profits	<i>Field Crops Research</i> 164: 30-44	-	-



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153.	Singh, R.D., Patra, A.K., Arun Kumar, K., Sahu, S.K., Khan, M.A. and Bhople, B.S.	2014	Impact of of Different Land use Management on Soil Enzyme Activities and Bacterial Genetic Finger Prints of North-Western Himalayas	<i>Current World Environment</i> 9(3): 728-740	4.25	-
154.	Singh, S.R., Ahmed, N., Srivastava, K.K., Sharma, V.K., Kumar Remesh, Kumar, Dinesh and Jan, N.	2014	Productivity and economics of legume and non legume intercrops in apple orchard	<i>Annals of Plant and Soil Resaerch</i> 16(3): 234-237	4.39	-
155.	Sonalika Sahoo, K.M. Manjaiah, S.C. Datta, Ahmed Shabeer, T.P. and Jitendra Kumar	2014	Development of Nanoclay Polymer Composites based Control Release Formulations of Metribuzin and its release kinetics in water	<i>Journal of Environmental Science and Health, Part B</i> 49: 591-600	7.21	-
156.	Sreenivasa Chari, M. Manjaiah K.M. and Sachdev P.	2014	Adsorption and desorption of radiocesium on some soils of India	<i>Journal of the Indian Society of Society Science</i> 62(2): 89-95	5.23	-
157.	Verma, B.C., Datta, S.P., Rattan, R.K. and Singh, A.K.	2014	Impact of tillage, water and nutrient management practices on soil organic carbon pools in a seven-year rice-wheat rotation	<i>Agrochimica</i> LVIII (4): 291-308	6.21	-
158.	Yadav, R.C., Patra, A.K., Purakayastha, T.J., Singh, R. and Kumar, Chitranjan	2014	Effect of Engineered Nanoparticles of Fe and Zn Oxides 3 on Enzyme Activity and Bacterial Abundance in Soil at Ambient 4 and Elevated Atmospheric CO <sub>2</sub>	<i>Proceedings of the National Academy of Science, India, Sect. B Biological Sciences</i> 84(3): 649-656	6.00	-
159.	Yadav, Ramesh Chandra, Patra, A.K., Purakayastha, T.J., Bhattacharyya, R. and Singh, R.	2014	Response of Rice Plant to Application of Nanoparticles of Fe and Zn at Elevated CO <sub>2</sub> : A Hydroponic Experiment under Phytotron	<i>International Journal of Bioresource and Stress Management</i> 5(2): 207-212	4.46	-
160.	Yaduvanshi, N.P.S and Sharma, D.R.	2014	Impact of long term use of organic and inorganic fertilization on distribution of DTPA extraction micro-nutrient and organic carbon in reclaimed alkali soil	<i>J. of Soil Salinity and Water Quality</i> 6: 86-90	4.94	4



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161.	Das, T.K., Bhattacharyya, R., Sudhishri, S., Sharma, A.R., Saharawat, Y.S., Bandyopadhyay, K.K., Sepat, Seema, Bana, R.S., Aggarwal, Pramila, Sharma, R.K., Bhatia, A., Singh, Geeta, Datta, S.P., Kar, A., Singh, Billu, Singh, Parmendra, Pathak, H., Vyas, A.K. and Jat, M.L.	2014	Conservation agriculture in an irrigated cotton-wheat system of the western Indo-Gangetic Plains: Crop and water productivity and economic profitability	<i>Field Crops Research</i> 158: 24-33	8.98	10
162.	Sepat, S., Behera, U.K., Sharma, A.R., Das, T.K. and Bhattacharyya, R.	2014	Productivity, organic carbon and residual soil fertility of pigeonpea –wheat rotation in varying tillage and residue management	<i>Proceedings of the National Academy of Sciences: Section B. Biological Sciences</i> 84: 561-571	6.00	1
163.	Ahmed, M., Aggarwal, P., Garg, R.N., Bhattacharyya, R., Singh, R., Kamble, K.H. and Yadav, B.	2014	Effect of resource conservation technologies on soil structural conditions in temporary waterlogged alluvial plains of the river Yamuna	<i>Indian Journal of Agricultural Sciences</i> 84: 81-89	6.14	-
164.	Tong, X., Xu, M., Wang, X., Bhattacharyya, R., Zhang, W. and Cong, R.	2014	Long-term fertilization effects on organic carbon fractions in a red soil of China	<i>Catena</i> 113: 251-259	8.82	13
165.	Golui D., Datta S.P., Rattan R.K., Dwivedi B.S. and Meena, M.C.	2014	Predicting bioavailability of metals from sludge amended soils	<i>Environmental Monitoring and Assessment</i> 186: 8541-8553	7.68	-
166.	Barman M., Datta S.P., Rattan R.K. and Meena, M.C.	2014	Chemical fractions and bioavailability of nickel in alluvial soils	<i>Plant Soil and Environment</i> 61: 17-22	7.23	-
167.	Dey A., Dwivedi B.S., Meena M.C., Datta S.P. and Ashok, Kumar	2014	Soil boron fractions and their contribution towards boron availability and uptake by wheat on a Typic Haplustept under long-term fertilization	<i>Journal of the Indian Society of Soil Science</i> 62: 384-390 187	4.95	-
168.	Barman, M., Datta, S.P., Rattan, R.K. and Meena, M.C.	2013	Sorption and desorption of nickel in soils in relation to its availability to plants	<i>Agrochimica</i> LVII (3): 235-249	6.21	-
169.	Basak, B.B., Biswas, D.R. and Pal, Sharmistha	2013	Soil biochemical properties and quality as affected by organic manures and mineral fertilizers in soil under maize-wheat rotation	<i>Agrochimica</i> 57(1): 49-66	6.31	-





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170.	Biswas, D.R. and Basak, B.B.	2013	Potassium solubilizing microorganisms: Their mechanisms, potentialities and challenges as potassium biofertilizers	<i>Indian Journal of Fertilisers</i> 9(12): 102-116	3.78	-
171.	Chaudhary, N., Swaroop, K., Janakiram, T., Biswas, D.R. and Singh, G.	2013	Effect of integrated nutrient management on vegetative growth and flowering characters of gladiolus	<i>Indian Journal of Horticulture</i> 70(1): 156-159	6.11	-
172.	Das Bappa, Chakraborty D., Singh V.K., Aggarwal P., Singh Ravender, Dwivedi B.S. and Mishra, R.P.	2013	Effect of integrated nutrient management practice on soil aggregate properties, its stability and aggregate-associated carbon content in an intensive rice-wheat system	<i>Soil and Tillage Research</i> 136: 9-18	-	-
173.	Datta, S.P., Meena, B.L. and Rattan, R.K.	2013	Development of a computer program for calculating metal ion activity using Baker soil test	<i>Journal of the Indian Society of Soil Science</i> 61: 47-50	4.95	-
174.	Dey, Abir, Dwivedi, B.S., Meena, M.C. and Datta, S.P.	2013	Adsorption-desorption of boron in major soils of India	<i>Journal of the Indian Society of Soil Science</i> 61: 179-187	4.95	-
175.	Dotaniya, M.L., Datta, S.C., Biswas, D.R. and Meena, B.P.	2013	Effect of solution phosphorus concentration on the exudation of oxalate ions by wheat ( <i>Triticum aestivum</i> L.)	<i>Proceedings of the National Academy of Sciences, India Section B: Biological Sciences</i> 83(3): 305-309	6.00	-
176.	George K. Justin, Singh, R.D., Patra, A.K., Arunkumar, K. and John, Pote	2013	Land use practices in the Central Himalayan region affect soil enzyme activities and their relationship with carbon pools	<i>Acta Agriculturae Scandinavica, Section B - Soil &amp; Plant Science</i> 63(5): 403-408	6.65	1
177.	Gorai, T., Ahmed, N., Mahapatra, S.K., Datta, S.C., Singh, R.D. and Sharma, R.K.	2013	Effect of Topography and vegetation on Soil Development in Kumaon Hills of North Western Himalayas	<i>Journal of Soil and Water Conservation</i> 12: 269-276	4.0	-
178.	Gurjar, D.S., Yadav, B.R. and Sharma, V.K.	2013	Hydrogeochemical characterization and contamination of nitrate and fluoride in groundwater of South-West region of Delhi state, India	<i>Indian Journal of Agricultural Research</i> 47(1): 43-50	4.81	-
179.	Hussain A., Kumar D., Rana D.S., Gangaiah B., Dwivedi B.S. and Sahoo, R.N.	2013	Productivity and profitability of Bt cotton ( <i>Gossypium hirsutum</i> ) -wheat ( <i>Triticum aestivum</i> ) cropping system as affected by nutrient omissions	<i>Indian Journal of Agronomy</i> 58: 175-181	-	-



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180.	Justin, G.K, Singh, R.D., Patra, A.K. and Arunkumar, K.	2013	Soil carbon pools and carbon management index under different land use systems in the Central Himalayan Region	<i>Acta Agriculturae Scandinavica, Section B - Soil &amp; Plant Science</i> 63(3): 200-205	6.65	15
181.	K. Arunkumar, Singh, R.D., Patra, A.K. and Sahu, S.K.	2013	Probing of microbial community structure, dehydrogenase and soil carbon in relation to different land uses in soils of Ranichauri (Garhwal Himalayas)	<i>Int. J. Curr. Microbiol. App. Sci.</i> 2(11): 325-338	-	4
182.	Kumar Sarvendra, Patra, A.K., Singh, Dhyan, Purakayastha, T. J., Rosin, K.G. and Kumar, Manoj	2013	Balanced fertilization along with farmyard manures enhances abundance of microbial groups and their resistance and resilience against heat stress	<i>Communications in Soil Science and Plant Analysis</i> 44: 2299-2313	6.39	-
183.	Kumar, Anil, Kumar, Neeraj, Singhal, S.K., Singh, Vinay and Sharma, V.K.	2013	Soil phosphorus fractions in a typic haplustept as influenced by organic sources after soybean ( <i>Glycine max</i> L.) – wheat ( <i>Triticum aestivum</i> ) cropping sequence in semi arid condition	<i>Agricultural Science Digest.</i> 33(4): 304-308	4.21	-
184.	Kumar, Anil, Singhal, S.K., Singh, Vinay, Kumar, Neeraj and Sharma, V.K.	2013	Impact of rock- Phosphate enriched pressmud and biogas slurry on yield, phosphate nutrition and utilization by Soybean in a Typic Haplustept	<i>Legume Research</i> 36(1): 79-83	6.15	-
185.	Mahajan, G.R., Pandey, R.N., Datta, S.C. Kumar, D. Sahoo, R.N. and Parsad, R.	2013	Soil test based Fertilizer Recommendation of Nitrogen, phosphorus and sulphur in wheat ( <i>Triticum aestivum</i> L.) in an alluvial soil	<i>International Journal of Agriculture, Environment and Biotechnology</i> 6: 271-281	4.10	6
186.	Mandal, N., Dwivedi, B.S., Meena, M.C., Dhyan, Singh, Datta, S.P., Tomar, R.K. and Sharma, B.M.	2013	Effect of induced defoliation in pigeonpea, farmyard manure and sulphitation pressmud on soil organic carbon fractions, mineral nitrogen and crop yields in a pigeonpea–wheat cropping system	<i>Field Crops Research</i> 154: 178-187	8.98	-



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187.	Meena, A.L. Pandey, R.N. Behera, U.K. and Meena, M.D.	2013	Effect of tillage and crop residue management on phosphorus transformation and phosphatase enzyme activity under pigeonpea ( <i>Cajanus cajan</i> ) rhizosphere and non-rhizosphere soil	<i>Annals of Biology</i> 29: 148-157	2.98	-
188.	Meena, B.L., Rattan, R.K. and Datta, S.P.	2013	Efficacy of seed treatment in ameliorating iron deficiency in aerobic rice on a calcareous soil	<i>Journal of the Indian Society of Soil Science</i> 61: 147-152	4.95	-
189.	Meena, M.D. and Biswas, D.R.	2013	Residual effect of rock phosphate and waste mica enriched compost on yield and nutrient uptake by soybean	<i>Legume Research</i> 36(5): 406-413	6.14	-
190.	Ram, R.L., Sharma, P.K., Ahmed, Datta, S.C. and Sharma, R.K.	2013	Mineralogical transformation in Benchmark soils of Prakasam District, Andhra Pradesh as influenced by weathering and pedogenic processes	<i>Clay Research</i> 32: 34-57	3.62	-
191.	Ramesh, T, Manjiaiah K.M., J.M.S. Tomar and S.V. Ngachan	2013	Effect of multipurpose tree species on soil fertility and CO <sub>2</sub> efflux under hilly ecosystems of Northeast India	<i>Agroforestry Systems</i> 87(6): 1377-1388	7.37	-
192.	Rang Zan, Nafiseh, Datta, S.P., Rattan, R.K., Dwivedi, B.S. and Meena, M.C.	2013	Prediction of solubility of zinc, copper, nickel, cadmium and lead in metal contaminated soils	<i>Environmental Monitoring and Assessment</i> 185: 10015-10025	7.68	-
193.	Ranjan Bhattacharyya, S.C. Pandey, J.K. Bisht, J.C. Bhatt, H.S. Gupta, M.D. Tuti, D. Mahanta, B.L. Mina, R.D. Singh, S. Chandra, A.K. Srivastva and S. Kundu	2013	Tillage and Irrigation Effects on Soil Aggregation and Carbon Pools in the Indian Sub-Himalayas	<i>Agron. J.</i> 105: 101-112	7.54	22
194.	Rawat, K.S., Mishra, A.K., Sehgal, V.K., Ahmed, N. and Tripathi, V.K.	2013	Comparative evaluation of horizontal accuracy of elevations of selected ground control points from ASTER and SRTM DEM with respect to CARTOSAT-1 DEM: a case study of Shahjahanpur district, Uttar Pradesh, India	<i>Geocarto International</i> 28(5): 439-452	International IF: 1.380	-



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195.	Ray, P., Rakshit, R. and Biswas, D.R.	2013	Developments in production of phosphatic fertilisers: Retrospect and prospect	<i>Indian Journal of Fertilisers</i> 9(10): 44-55	3.78	-
196.	Ray, P., Singhal, S.K. Datta, S.P. and Rattan, R.K.	2013	Bio fortification of Indian Spinach ( <i>Beta vulgaris</i> L. var. all green) with zinc application in acid and alkaline soils amended with organics	<i>Agrochimica</i> LVII (2): 151-168	6.31	-
197.	Ray, P., Singhal, S.K. and Datta, S.P.	2013	Effect of zinc fertilization on iron, manganese and copper content in chenopodium ( <i>Chenopodium album</i> L.) grown on acid and alkaline soils amended with organics	<i>Indian Journal of agricultural Research</i> 47: 137-143	-	-
198.	Ray, P., Singhal, S.K., Datta, S.P. and Rattan, R.K.	2013	Evaluation of suitability of chemical extractants for assessing available zinc in acid and alkaline soils amended with farmyard manure and sludge	<i>Agrochimica</i> LVII(4): 348-362	6.21	-
199.	Ray, P., Singhal, S.K., Datta, S.P. and R.K., Rattan	2013	Biofortification of Indian spinach ( <i>Beta vulgaris</i> L. var. all green) with zinc application in acid and alkaline soils amended with organics	<i>Agrochimica</i> LVII(2): 151-167	6.21	-
200.	Roy, Trisha, Singh, R.D. Biswas, D.R. and Patra, A.K.	2013	Effect of sewage sludge and inorganic fertilizers on productivity and micronutrients accumulation by Palak ( <i>Beta vulgaris</i> ) and their availability in a Typic Haplustept	<i>Journal of the Indian Society of Soil Science</i> 61: 207-218	4.95	3
201.	Sahay, Neha, Singh, S.P. and Sharma, V.K.	2013	Effect of cobalt and potassium application on growth, yield and nutrient uptake in lentil ( <i>Lens culinaris</i> L.)	<i>Legume Research</i> 36(3): 259-262	6.15	-
202.	Sarkar, S., Datta, S.C. and Biswas, D.R.	2013	Synthesis and characterization of nanoclay-polymer composites from soil clay with respect to their water-holding capacities and nutrient-release behaviour	<i>Journal of Applied Polymer Science</i> 131 DOI: 10.1002/app.39951	7.64	-



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203.	Sarkar, S., Datta, S.C. and Biswas, D.R.	2013	Using nanoclay polymer composite for efficient delivery of N and P to pearl millet grown in a smectite dominant soil in a greenhouse experiment	<i>Clay Research</i> 32(2): 102-113	3.62	-
204.	Sharma, S.K., Yaduvanshi, N.P.S. and Singh, G.	2013	Genetic diversity and association for yield and its contributing traits in <i>Jatropha</i> ( <i>Jatropha curcus</i> Linn.) for partially reclaimed sodic soils	<i>Indian J. of Salinity and Water Management</i> 5: 34-39	4.94	-
205.	Singh V.K., Dwivedi B.S., Buresh R.J., Jat M.L., Majumdar K., Gangwar B., Govil V. and Singh S.K.	2013	Potassium fertilization in rice-wheat system across northern India: crop performance and soil nutrients	<i>Agronomy Journal</i> 105: 471-481	-	-
206.	Singh V.K., Dwivedi B.S., Shukla Arvind K. and Meena, M.C.	2013	Effect of pre-puddling tillage and puddling intensities on soil physico-chemical properties and rice-wheat system productivity on a Typic Ustochrept of Indo-Gangetic Plains	<i>Indian Journal of Soil and Water Conservation</i> 12: 291-300	-	-
207.	Singh, R.D., Singhal, S.K., Biswas, D.R. and Sharma, V.K.	2013	Yield and nutrient uptake by cowpea ( <i>Vigna sinensis</i> ) as influenced by integrated use of sewage sludge and crop residue in a typic Haplustept	<i>Legume Research</i> 36(6): 552-556	6.15	-
208.	Singh, S.R., Sharma, M.K., Sharma, V.K., Srivastava, K.K. and Sundouri, A.S.	2013	Integrated management of phosphorus in high density apple cv. Red Delicious under temperate condition of Kashmir	<i>Progressive Horticulture</i> 45(1): 69-75	3.53	-
209.	Sofi, J.A., Kirmani, Nayar A. Sharma, V.K., Ansar-ul Haq, S. and Chesti, M.H.	2013	Effect of integrated nitrogen management on saffron ( <i>Crocus sativus</i> ) yield and soil fertility	<i>Indian Journal of Horticulture</i> 70(2): 274-278	6.13	-
210.	Srivastava, P., Banerjee, B., Aruche, M. and Ahmed, N.	2013	Clay mineralogy of the oldest paleosols from the Himalayan foreland: Implications of digenetic overprinting and paleo environments	<i>Clay Research</i> 32: 17-24	3.62	-



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211.	Venkatesan, M., Gaur, H.S. and Datta, S.P.	2013	Effect of root-knot nematode, <i>Meloidogyne graminicola</i> on the uptake of macronutrients and arsenic and plant growth of rice	<i>Vegetos</i> 26(2): 112-120	6.00	-
212.	Verma, B.C., Datta, S.P., Rattan, R.K. and Singh, A.K.	2013	Labile and stabilized fractions of soil organic carbon in some intensively cultivated alluvial soils	<i>Journal of Environmental Biology</i> 34: 1069-1075	6.56	-
213.	Verma, B.C., Datta, S.P., Rattan, R.K. and Singh, A.K.	2013	Impact of temperature and moisture regimes on carbon and nitrogen mineralization in an alluvial soil amended with organics	<i>Agrochimica</i> LVII(1): 47-64	6.21	-
214.	Yaduvanshi N.P.S., Sharma D.R. and Swarup, A.	2013	Impact of Integrated Nutrient Management on Soil Properties and Yield of Rice and Wheat in a Long Term Experiment on a Reclaimed Sodic Soil	<i>J. Indian Soc. Soil. Sci.</i> 61(3): 188-194	5.12	-
215.	Bhattacharyya, R., Fullen, M.A., Booth, C.A., Black, A. and Townrow, D.	2013	Using palm-mat geotextiles for soil conservation: II. Effects on in situ soil particle size distribution and nutrient concentration	<i>Catena</i> 101: 143-156	8.82	-
216.	Bhattacharyya, R., Das, T.K., Pramanik, P., Ganeshan, V. Saad, A.A. and Sharma, A.R.	2013	Impacts of conservation agriculture on soil aggregation and aggregate-associated N under an irrigated agroecosystem of the Indo-Gangetic Plains	<i>Nutrient Cycling in Agro. Ecosystems</i> 96: 185-202	7.9	11
217.	Das, T.K., Bhattacharyya, R., Sharma, A.R., Das, S. Saad, A.A. and Pathak, H.	2013.	Impacts of conservation agriculture on total soil organic carbon retention potential under an irrigated agro-ecosystem of the western Indo-Gangetic Plains	<i>European Journal of Agronomy</i> 51: 34-42	8.7	14
218.	Kundu, S., Adhikari, T., Coumar, M.V., Rajendiran, S., Bhattacharyya, R., Saha, J.K., Biswas, A.K. and Subba Rao, A.	2013	Pine oleoresin: a potential urease inhibitor and coating material for slow-release urea	<i>Current Science</i> 104: 1068-1071	6.93	2



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219.	Bhattacharyya, R., Pandey, S.C., Bisht, J.K., Bhatt, J.C., Gupta, H.S., Tuti, M.D., Mahanta, D., Mina, B.L., Singh, R.D., Chandra, S., Srivastva, A.K. and Kundu, S.	2013	Tillage and irrigation effects on soil aggregation and carbon pools in the Indian sub-Himalayas	<i>Agronomy Journal</i> 105: 101-112	7.44	17
220.	Mahanta, D., Bhattacharyya, R., Gopinath, K.A., Tuti, M.D., Mina, B.L., Pandey, B.M., Mishra, P.K., Bisht, J.K., Srivastva, A.K. and Bhatt, J.C.	2013	Influence of farmyard manure application and mineral fertilization on yield sustainability, carbon sequestration potential and soil property of gardenpea-nerge bean cropping system in the Indian Himalayas	<i>Scientia Horticulturae</i> 164: 414-427	7.37	9
221.	Tuti, M.D., Mahanta, D., Bhattacharyya, R., Pandey, B.M., Bisht, J.K. and Bhatt, J.C.	2013	Productivity, economics and nergetic of pigeonpea ( <i>Cajanus cajan</i> )-based cropping systems in mid-hills of north-west Himalaya	<i>Indian Journal of Agronomy</i> 58: 7-12	-	1
222.	Mandal N., Dwivedi B.S., Meena M.C., Dhyan Singh, Datta S.P., Tomar R.K. and Sharma B.M.	2013	Effect of induced defoliation in pigeonpea, farmyard manure and sulphitation pressmud on soil organic carbon fractions, mineral nitrogen and crop yields in a pigeonpea-wheat cropping system	<i>Field Crops Research</i> 154: 178-187	8.98	-
223.	Rang Zan N., Datta S.P., Rattan R.K., Dwivedi B.S. and Meena, M.C.	2013	Prediction of solubility of zinc, copper, nickel, cadmium and lead in metal contaminated soils	<i>Environmental Monitoring and Assessment</i> 185: 10015-10025	7.68	-
224.	Barman M., Datta S.P., Rattan R.K. and Meena, M.C.	2013	Sorption and desorption of nickel in soils in relation to its availability to plants	<i>Agrochimica</i> LVII (3): 235-249	6.21	-
225.	Dey A., Dwivedi B.S., Meena M.C. and Datta, S.P.	2013	Adsorption-desorption of boron in major soils of India	<i>Journal of the Indian Society of Soil Science</i> 61(3): 179-187	4.95	-
226.	Mehta B.I., Meena M.C., Patel K.P. and Ramani, V.P.	2013	Direct and residual effect of molybdenum and sulphur on yield and quality of Indian mustard and Pearlmillet in Typic Ustochrept soil of Gujarat	<i>Journal of the Indian Society of Soil Science</i> 61(4): 359-364	4.95	-



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227.	Singh V.K., Dwivedi B.S., Shukla A.K. and Meena, M.C.	2013	Effect of pre-puddling tillage and puddling intensities on soil physic-chemical properties and rice-wheat system productivity on a Typic Ustochrept of Indo-Gangetic Plains	<i>Journal of Soil and Water Conservation</i> 12(4): 291-300	3.68	-
228.	S. Das, S.C.S. and N., Kumar	2013	<i>In vitro</i> effect of herbicides on the growth of <i>Bradyrhizobium japonicum</i> and phosphate solubilizing bacteria	<i>International Journal of Basic &amp; Applied Agricultural Research (Pantnagar Journal of Research)</i> 11(1): 87-91	4.60	-
229.	Basak, B.B., Biswas, D.R. and Rattan, R.K.	2012	Comparative effectiveness of value-added manures on crop productivity, soil mineral nitrogen and soil carbon pools under maize-wheat cropping system in an Inceptisol	<i>Journal of the Indian Society of Soil Science</i> 60: 288-298	4.95	-
230.	Datta, Samar Chandra, Singhal, Sunil Kumar and Mandal, Debashish	2012	Development of resin disc soil testing in rice crop in relation to kinetics of nutrient adsorption on resin	<i>Commun. Soil Sci. Pt. Anal.</i> 43: 1109-1120	7.0	-
231.	Dubey, S.K., Singh, Y.P., Sharma, V.K. and Swarup, Anand	2012	Influence of amendments and flooding with saline and non saline water on changes in physico-chemical characteristics of a sodic soil	<i>Madras Agric. J.</i> 99(4-6): 284-288	3.98	-
232.	Dwivedi B.S., Singh V.K., Shukla Arvind K. and Meena M.C.	2012	Optimising dry and wet tillage for rice on a Gangetic alluvial soil: effect on soil characteristics, water use efficiency and productivity of the rice-wheat system	<i>European Journal of Agronomy</i> 43: 155-165	-	-
233.	Gurjar, D.S., Yadav, B.R. and Sharma, V.K.	2012	Assessment of Seasonal Variation in Hydrochemical Composition of Ground-water in Nangloi Block of Delhi State	<i>Agricultural Science Digest.</i> 32(3): 187-192	4.21	1
234.	Gurjar, D.S., Yadav, B.R. and Sharma, V.K.	2012	Seasonal Variation in Salinity, pH and Contents of Nitrate, Fluoride and Heavy Metals in Irrigated Soils of Alipur block of Delhi State	<i>Annals of Plant and Soil Research</i> 14(1): 5-9	4.39	-





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235.	Jat M.L., Kumar D., Majumdar K., Kumar A., Shahi V., Satyanarayana T., Pampolino M., Gupta N., Singh V., Dwivedi B.S., Singh V.K., Singh, Vicky, Kamboj B.R., Sidhu H.S. and Johnston A.	2012	Crop response and economics of phosphorus fertiliser application in rice, wheat and maize grown in the Indo-Gangetic Plains	<i>Indian Journal of Fertilisers</i> 8(7): 62-72	-	-
236.	Majumdar K., Kumar A., Shahi V., Satyanarayana T., Jat M.L., Kumar D., Pampolino M., Gupta N., Singh V., Dwivedi B.S., Meena M.C., Singh V.K., Kamboj B.R., Sidhu H.S. and Johnston A.	2012	Economics of potassium fertiliser application in rice, wheat and maize grown in the Indo-Gangetic Plains	<i>Indian Journal of Fertilisers</i> 8(5): 44-53	-	-
237.	Mandal, Asit, Purakayastha T.J., Patra A.K. and Sanyal S.K.	2012	Phytoremediation of arsenic contaminated soils by <i>Pteris vittata</i> L. I. Influence of phosphatic fertilizers and repeated harvests	<i>International Journal of Phytoremediation</i> 14: 978-995	7.74	-
238.	Meena M.C., Dwivedi B.S., Dhyan Singh, Sharma B.M., Krishan Kumar, Singh R.V., Radeep Kumar and Rana D.S.	2012	Effect of integrated nutrient management on productivity and soil health in pigeon-pea ( <i>Cajanus cajan</i> )-wheat ( <i>Triticum aestivum</i> ) cropping system	<i>Indian Journal of Agronomy</i> 57: 113-117	-	-
239.	Moharana, P.C., Sharma, B.M., Biswas, D.R., Dwivedi, B.S. and Singh, R.V.	2012	Long-term effect of nutrient management on soil fertility and soil organic carbon pools under a six-year old pearl millet-wheat cropping system in an Inceptisol of subtropical India	<i>Field Crops Research</i> 136: 32-41	8.61	-
240.	Mukesh Kumar, Yaduvanshi, N.P.S. and Singh, Y.V.	2012	Effects of integrated nutrient management on rice yield, nutrient uptake and soil fertility status in reclaimed sodic soils	<i>J. Indian Soc. Soil. Sci.</i> 60(2): 132-137	5.12	11
241.	Nazir, Nowsheen, Singh, S.R., Sharma, M.K., Banday, F.A., Sharma, V.K., Khalil, Aroosa and Hayat, Shazia	2012	Effect of integrated organic nutrient sources on soil nutrient status and microbial population in strawberry field	<i>Indian journal of Horticulture</i> 69(2): 177-180	6.13	3



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242.	Rai, H.K., Mughal, A.H., Sharma, V.K., Singhal, S.K. and Panday, Manoj Kumar	2012	Front Line Demonstration Trial of Barley Cv. Nurboo on Farmers Field in Cold Arid Kargil Region of J&K	<i>Indian Research Journal of Extension Education</i> 12(2): 55-58	4.81	-
243.	Satyanarayana T., Majumdar K., Shahi V., Kumar A., Pampolino M., Jat M.L., Singh V.K., Gupta N., Singh V., Dwivedi B.S., Kumar D., Malik R.K., Singh, Vicky, Sidhu H.S. and Johnston A.	2012	Economics of nitrogen fertiliser application in rice, wheat and maize grown in the Indo-Gangetic Plains	<i>Indian Journal of Fertilisers</i> 8(8): 62-71	-	-
244.	Singh V.K., Govil V., Singh S.K., Dwivedi B.S., Meena M.C., Gupta V.K., Majumdar K. and Gangwar B.	2012	Precision nutrient management strategies using GIS-based mapping in Western Uttar Pradesh	<i>Better Crops-South Asia</i> 1(7): 8-11	-	-
245.	Singh, S.R., Srivastava, K.K., Sharma, M.K., Singh, Lal and Sharma, V.K.	2012	Screening of strawberry ( <i>Fragaria x ananassa</i> Duch) varieties under organic production system for Kashmir valley conditions	<i>Indian Journal of Agricultural Sciences</i> 82(6): 538-42	6.17	1
246.	Singhal, S.K., Sharma, V.K. and Singh, R.D.	2012	Effect of inorganic and biofertilizers (VAM and PSB) on yield of maize and wheat cropping sequence and soil fertility	<i>Indian journal of Agricultural Research</i> 46(2): 167-172	4.86	1
247.	Singhal, S.K., Sharma, V.K. and Singh, Teekam	2012	Integrated effect of enriched compost and fertilizer on yield and uptake of micronutrient by maize ( <i>Zea mays</i> L.)	<i>Agricultural Science Digest.</i> 32(1): 43-47	4.21	-
248.	Singhal, S.K., Singh, R.D. Sharma, V.K. and Sharma S.K.	2012	Impact of integrated use of fertilizer and enriched compost on yield, nitrogen uptake by wheat and fractions of soil nitrogen in semi arid condition	<i>Indian Journal of Agricultural Research</i> 46(3): 262-268	3.86	-
249.	Sofi, J.A., Rattan, R.K. and Datta, S.P.	2012	Soil organic carbon pools in the apple orchards of Sopohan district of Jammu and Kashmir	<i>Journal of the Indian Society of Soil Science</i> 60: 187-197	4.95	-
250.	Sreenivasa Chari, M., Manjaihah, K.M., Sachdev, P. and Sachdev, M.S.	2012	<sup>134</sup> Cs transfer factors to Green gram and Soybean as influenced by waste mica	<i>Journal of Environmental Radioactivity</i> 104: 46-54	7.6	-



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251.	Yaduvanshi, N.P.S. and Swarup, A.	2012	Potassium release properties from long term fertilization and manuring in rice-wheat system under sodic water irrigation	<i>Indian J. of Salinity and Water Management</i> 4: 51-55	4.94	-
252.	Yaduvanshi, N.P.S., Setter, T.L., Sharma, S.K. Singh, K.N. and Kulshreshtha, N.	2012	Influence of waterlogging on yield of wheat ( <i>Triticum aestivum</i> ), redox potential, and concentrations of microelements in different soils in India and Australia	<i>Soil Research</i> 50: 489-499	7.61	5
253.	Bhattacharyya, R., Tuti, M.D., Kundu, S., Bisht, J.K. and Bhatt, J.C.	2012	Conservation tillage impacts on soil aggregation and carbon pools in a sandy clay loam soil of the Indian Himalayas	<i>Soil Science Society of America Journal</i> 76: 617-627	7.72	35
254.	Ghosh, B.N., Dogra, P., Bhattacharyya, R., Sharma, N.K. and Dadhwal, K.S.	2012	Effects of grass vegetation strips on soil conservation and crop yield under rainfed conditions in the Indian sub-Himalayas	<i>Soil Use and Management</i> 28: 635-646	7.47	5
255.	Bhattacharyya, R., Tuti, M.D., Bisht, J.K. Bhatt, J.C. and Gupta, H.S.	2012	Conservation tillage and fertilization impacts on soil aggregation and carbon pools in the Indian Himalayas under an irrigated rice-wheat rotation	<i>Soil Science</i> 177: 217-227	6.79	16
256.	Tuti, M.D., Ved-Prakash, Pandey, B.M., Bhattacharyya, R., Mahanta, D., Bisht, J.K., Kumar, M., Mina, B.L., Kumar, N., Bhatt, J.C. and Srivastva, A.K.	2012	Energy budgeting of colocasia-based cropping systems in the Indian sub-Himalayas	<i>Energy</i> 45: 986-993	10.84	15
257.	Tuti, M.D., Mahanta, D., Mina, B.L., Bhattacharyya, R., Bisht, J.K. and Bhatt, J.C.	2012	Performance of lentil ( <i>Lens culinaris</i> and toria ( <i>Brassica campestris</i> ) intercropping with wheat ( <i>Triticum aestivum</i> ) under rainfed conditions of north-west Himalaya	<i>Indian Journal of Agricultural Sciences</i> 82: 841-844	6.14	4
258.	Dwivedi B.S., Singh V.K., Shukla Arvind K. and Meena M.C.	2012	Optimising dry and wet tillage for rice on a Gangetic alluvial soil: effect on soil characteristics, water use efficiency and productivity of the rice-wheat system	<i>European Journal of Agronomy</i> 43: 155-165	8.70	-



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259.	Meena M.C., Dwivedi B.S., Dhyan Singh, Sharma B.M., Krishan Kumar, Singh R.V., Radeep Kumar and Rana, D.S.	2012	Effect of integrated nutrient management on productivity and soil health in pigeonpea-wheat cropping system	<i>Indian Journal of Agronomy</i> 57(4): 333-337	5.00	-
260.	Rathod D.D., Meena M.C. and Patel K.P.	2012	Evaluation of different zinc-enriched organics as source of zinc under wheat-maize (fodder) cropping sequence in zinc deficient Typic Haplustepts	<i>Journal of the Indian Society of Soil Science</i> 60(1): 50-55	4.95	-
261.	Rathod D.D., Meena M.C. and Patel K.P.	2012	Effect of different Zn-enriched organics on yields and micronutrient uptake under wheat-maize (fodder) cropping sequence in semi-arid region of Gujarat	<i>Indian Journal of Dryland Agricultural Research and Development</i> 27(1): 37-42	4.70	-
262.	Majumdar K., Anil Kumar, Vishal Shahi, Satyanarayana T., Jat M.L., Dalip Kumar, Mirasol Pampolino, Naveen Gupta, Vinay Singh, Dwivedi B.S., Meena M.C., Singh V.K., Kamboj B.R., Sidhu H.S. and Adrian, Johnston	2012	Economics of potassium fertiliser application in rice, wheat and maize grown in the Indo-Gangetic Plains	<i>Indian Journal of Fertilizers</i> 8(5): 44-53	3.78	-
263.	Rathod D.D., Meena, M.C. and Patel, K.P.	2012	Crop yields and nutrient uptake as affected by different Zn-enriched organics under wheat and fodder maize crop sequence in typic Haplustept of Gujarat	<i>Journal of Soil and Water Conservation</i> 11(1): 67-72	3.68	-
264.	S. Das, N. Pareek, K.P. Raverkar, R., Chandra and A., Kaustav	2012	Effectiveness of micronutrient application and <i>Rhizobium</i> inoculation on growth and yield of Chickpea	<i>International Journal of Agriculture, Environment and Biotechnology</i> 5(4): 445-452	4.69	-
265.	Biswas, D.R.	2011	Nutrient recycling potential of rock phosphate and waste mica enriched compost on crop productivity and changes in soil fertility under potato-soybean cropping sequence in an Inceptisol of Indo-Gangetic Plains of India	<i>Nutrient Cycling in Agro-ecosystems</i> 89: 15-30	7.90	-



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266.	Dash, J., Sarangi, A., Singh, D.K., Singh, A.K., Sahoo, R.N., Bhar, L.M. and Datta, S.P.	2011	Dynamics and budgeting of nitrate in crop root zone for assessment of groundwater pollution in the IARI farm	<i>Pusa AgriScience</i> 34: 68-78	2.20	-
267.	Deshmukh, S.K., Singh, A.K., Datta, S.P. and Annapurna, K.	2011	Impact of long-term wastewater application on microbiological properties of vadose zone	<i>Environmental Monitoring and Assessment</i> 175: 601-612	7.68	-
268.	Dwivedi B.S., Dhyan Singh, Swarup A., Yadav R.L., Tiwari K.N., Meena, M.C. and Yadav, K.S.	2011	On-farm evaluation of SSNM in pearl millet-based cropping systems on alluvial soils	<i>Indian Journal of Fertilisers</i> 7(2): 20-28	-	-
269.	Dwivedi, B.S., Singh, V.K. and Kumar, V.	2011	Balanced fertilization for maximizing the rice-wheat system productivity under Typic Ustochrept soils of western Indo-Gangetic Plain	<i>Journal of Farming Systems Research and Development</i> 17: 1-14	-	-
270.	Kumari, M., Chakraborty, D., Gathala, M.K., Pathak H., Dwivedi, B.S., Tomar R.K., Garg R.N., Singh Ravender and Ladha, J.K.	2011	Soil aggregation and associated organic carbon fractions as affected by tillage in a rice-wheat rotation in north India	<i>Soil Science Society of America Journal</i> 75: 560-567	-	-
271.	Manoj Kumar, Swarup A., Patra A.K., Purkayastha T.J., Manjaiah K.M. and Rakshit, R.	2011	Elevated CO <sub>2</sub> and temperature effects on phosphorus dynamics in rhizosphere of wheat ( <i>Triticum aestivum</i> L.) grown in a Typic Haplustept of subtropical India. LV	<i>Agrochimica</i> 6: 1-18	6.21	-
272.	Mughal, A.H., Rai, H.K., Sharma, V.K., Singhal, S.K. and Pandey, Manoj Kumar	2011	Realising production potential wheat in cold arid Kargil region of J&K	<i>Indian Res. J. of Ext. Edu.</i> 11(3): 45-48	4.81	1
273.	Mustafa, A.A., Man Singh, R.N. Sahoo, Nayan Ahmed, Manoj Khanna, A. Sarangi and A.K. Mishra	2011	Land Suitability Analysis for Different Crops: A Multi Criteria Decision Making Approach using Remote Sensing and GIS	<i>Researcher</i> 3(12): 61-84 ( <a href="http://www.sciencepub.net/researcher/research0312/014_7181research0312_61_84.pdf">http://www.sciencepub.net/researcher/research0312/014_7181research0312_61_84.pdf</a> )	-	-
274.	Mustafa, A.A., Man Singh, R.N. Sahoo, Nayan Ahmed, Manoj Khanna, A. Sarangi and A.K. Mishra	2011	Mapping of Degraded Lands from Multidate Remotely Sensed Data Using Decision Tree Based Classification (DTC)	<i>Report and Opinion</i> 3(11):33-54 ( <a href="http://www.sciencepub.net/report/report0311/007_7182report0311_33_54.pdf">http://www.sciencepub.net/report/report0311/007_7182report0311_33_54.pdf</a> )	-	-



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276.	Pradhan P.R., Pandey R.N., Behera U.K., Swarup A., Datta S.C. and Dwivedi, B.S.	2011	Tillage and crop residue management practices on crop productivity, phosphorus uptake and forms in wheat ( <i>Triticum aestivum</i> )-based cropping systems	<i>Indian Journal of Agricultural Sciences</i> 81(12): 1167-1173	6.14	2
277.	Sharma, V.K., Ahmed, S.B., Singhal, S.K. and Pandey, R.N.	2011	Response of barley ( <i>Hordium vulgare</i> L.) to nitrogen and phosphorus levels under cold arid region of Ladakh (J&K) India	<i>Agricultural Science Digest.</i> 31(4): 301-304	4.21	-
278.	Verma, B.C., Datta, S.P., Rattan, R.K. and Singh, A.K.	2011	Effect of temperature, moisture and different nitrogen sources on organic carbon pools and available nutrients in an alluvial soil	<i>Journal of the Indian Society of Soil Science</i> 59: 286-294	4.95	-
279.	Bhattacharyya, R, Fullen, M.A. and Booth, C.A.	2011	Using palm-mat geotextiles on an arable soil for water erosion control in the UK	<i>Earth Surface Processes and Landforms</i> 36: 933-945	8.85	10
280.	Bhattacharyya, R., Kundu, S., Srivastva, A.K. Gupta H.S., Ved-Prakash and Bhatt, J.C.	2011	Long term fertilization effects on soil organic carbon pools in a sandy loam soil of the Indian Himalayas	<i>Plant and Soil</i> 341: 109-124	8.95	18
281.	Bhattacharyya, R., Fullen, M.A., Booth, C.A., Kertesz, A., Toth, A., Szalai, Kozma, K., Z., Jakab, G., Jankauskas and B., Jankauskiene et al.	2011	Effectiveness of biological geotextiles on soil and water conservation in different agro-environments. Land Degradation and Development	<i>The use of Biological Geotextiles</i> 22: 495-504	8.145	9
282.	Fullen, M.A., Subedi, M., Booth, C.A., Sarsby, R.W., Davies, K., Bhattacharyya, R., Kugan, R., Luckhurst, D.A., Han, K., Black, A.W., Townrow and D., James et al.	2011	Utilizing biological geotextiles: Introduction to the BORASSUS Project and global perspectives.	<i>The use of Land Degradation and Development Biological Geotextiles</i> 22: 453-462	9.09	6



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284.	Meena K.N., Ashok Kumar, Rana D.S. and Meena M.C.	2011	Productivity and nutrient uptake of maize ( <i>Zea mays</i> L.) and wheat ( <i>Triticum aestivum</i> L.) cropping system under different biosources and nitrogen levels	<i>Indian Journal of Agronomy</i> 56(3): 182-188	5.00	-
285.	Meena H.M., Sharma S.K. and Meena M.C.	2011	Soil physical properties of Vertisol affected due to different tillage and mulch practices under wheat ( <i>Triticum aestivum</i> L.)	<i>Indian Journal of Dryland Agriculture Research and Development</i> 26(1): 90-95	4.70	-
286.	Dwivedi B.S., Dhyan Singh, Meena M.C., Swarup A., Tiwari K.N., Yadav R.L. and Yadav K.S.	2011	On-farm evaluation of SSNM in pearl millet-based cropping systems on alluvial soils	<i>Indian Journal of Fertilizers</i> 7(2): 20-28	3.78	-
287.	Meena H.M., Sharma S.K. and Meena M.C.	2011	Effect of tillage and mulch practices on wheat yield, yield attributes and nitrogen use efficiency in Vertisol of Madhya Pradesh	<i>Journal of Soil and Water Conservation</i> 10(4): 294-298	3.68	-
288.	Basak, B.B. and Biswas, D.R.	2010	Co-inoculation of potassium solubilizing and nitrogen fixing bacteria on solubilization of waste mica and their effect on growth promotion and nutrient acquisition by a forage crop	<i>Biology and Fertility of Soils</i> 46: 641-648	9.40	-
289.	Chakraborty, D., Garg R.N., Tomar R.K., Dwivedi B.S., Aggarwal P., Singh R., Behra U.K., Thangasamy A. and Dhyan, Singh	2010	Soil physical quality as influenced by long-term application of fertilizers and manure under maize-wheat system	<i>Soil Science</i> 175: 128-136	-	-



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290.	Datta, S.P., Rattan, R.K. and Suresh, Chandra	2010	Labile soil organic carbon, soil fertility and crop productivity as influenced by manure and mineral fertilizers in the tropics	<i>Journal of Plant Nutrition and Soil Science</i> 173: 715-726	7.46	-
291.	Dubey, S.K., Yadav, Rashmi, Chaturvedi, R. K., Yadav, R.K., Sharma, V.K. and Minhas, P.S.	2010	Contamination of ground water as a consequence of land disposal of dye waste mixed sewage effluents: A case study of Panipat district of Haryana, India	<i>Bulletin of Environmental Contamination and Toxicology</i> Published online DOI: 10.1007/s00128-010-0073-2	7.19	8
292.	K.N. Singh, Neeraj Kulshreshtha, Ravish Chatrath, S.K. Sharma and N.P.S. Yaduvanshi	2010	KRL 3-4 (IC408331; INGR09087), a Wheat ( <i>Triticum aestivum</i> ) Germplasm with Salt Tolerance, Water Tolerance, Red Grain, Low Sodium Uptake under Salinity	<i>Indian J. Plant Genet. Resource</i> 23(3): 340	5.12	91
293.	Kudupitiya, H.K., Shaoo, R.N., Ray, S.S., Chopra, U.K., Chakraborty, D. and Ahmed, N.	2010	Quantitative assessment of soil chemical properties using visible (VIS) and near infrared (NIR) proximal hyperspectral data	<i>Tropical Agriculturist</i> 158: 41-60	-	-
294.	Kulshreshtha, N., Singh, K.N., Sharma, S.K., Yaduvanshi, N.P.S. and Setter, T.	2010	Genetic and physiological approaches in waterlogging and salt tolerance in wheat	<i>Indian J. of Salinity and Water Management</i> 2(1): 06-11	4.94	-
295.	Manjaiiah, K.M., Sarvendra Kumar, Sachdev, M.S., Sachdev, P. and Datta, S.C.	2010	Study of clay-organic complexes	<i>Curr. Sci.</i> 98(7): 915-922	7.3	-
296.	Mishra, A.K., Rawat, K.S. and Ahmed, N.	2010	Selection of potential sites for augmenting ground-water recharge in Manesar Nala Watershed in Gurgaon (Haryana) using RS GIS Approach	<i>Indian Journal of Soil Conservation</i>	4.60	-
297.	Ram, R.L., Sharma, P.K., Jha, P., Das, S.N. and Ahmed, N.	2010	Characterization and classification of soils of Nagarjunsagar catchment in Shorapur taluk of Gulbarga district, Karnataka state	<i>Agropedology</i> 20(2): 112-123	3.21	-
298.	Reza, S.K, Ahmed, N. and Pal, S.	2010	Characterization, classification and mapping of soils of Panja Rao watershed, Sharanpur, Uttar Pradesh	<i>Agropedology</i> 124-132	3.21	-





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299.	Reza, S.K, Ahmed, N. and Pal, S.	2010	Evaluation of pedological development of soils developed on lower reaches of Siwalik hill through morphology rating system	<i>Indian Journal of Soil Conservation</i> 38: 101-104	4.60	-
300.	Saha, S., Chakraborty, D., Shrama, A.R., Tomar, R.K., Bhadraray, S., Sen. U., Behera, U.K., Purakayastha, T.J., Garg, R.N. and Kalra, N.	2010	Effect of tillage and residue management on soil physical properties and crop productivity in maize ( <i>Zea mays</i> )- Indian mustard ( <i>Brassica juncea</i> ) system	<i>Indian Journal of Agricultural Sciences</i> 80(8): 679-685	6.14	-
301.	Sharma, V.K., Rai, H.K., Namgyal, Dorjai and Ahmed, S.B.	2010	Performance of oat genotypes as green fodder under cold arid condition of Ladakh	<i>Forage Research</i> 35(2): 124-125	4.48	-
302.	Singh V.K., Dwivedi B.S., Shukla Arvind K. and Mishra R.P.	2010	Permanent raised bed planting of the pigeonpea-wheat system on a Typic Ustochrept: effects on soil fertility, yield, and water and nutrient use efficiencies	<i>Field Crops Research</i> 116: 127-139	-	-
303.	Singh, G., Biswas, D.R. and Marwaha, T.S.	2010	Mobilization of potassium from waste mica by plant growth promoting rhizobacteria and its assimilation by maize ( <i>Zea mays</i> ) and wheat ( <i>Triticum aestivum</i> L.): a hydroponics study under phytotron growth chamber	<i>Journal of Plant Nutrition</i> 33: 1-16	6.49	-
304.	Sreenivasa Chari, M., Manjaiah, K.M., Sachdev, P. and Sachdev, M.S.	2010	Effect of waste mica on transfer factors of <sup>134</sup> Cs to Spinach and Lettuce	<i>Radioprotection</i> 46(3): 317-330	7.3	-
305.	Verma, B.C., Datta, S.P., Rattan, R.K. and Singh, A.K.	2010	Monitoring changes in soil organic carbon pools, nitrogen, phosphorus and sulfur under different agricultural management practices in the tropics	<i>Environmental Monitoring and Assessment</i> 171: 579-593	7.68	-
306.	Verma, B.C., Datta, S.P., Rattan, R.K. and Singh, A.K.	2010	Effect of tillage, water and nutrient management practices on mineral nitrogen content at critical growth stages of crops under rice-wheat cropping system	<i>Pusa AgriScience</i> 33: 59-64	2.20	-



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307.	Viswanath, Thulasi, Pal Deo and Purakayastha, T.J.	2010	Elevated CO <sub>2</sub> reduces rate of decomposition of rice and wheat residues in soil	<i>Agriculture Ecosystems and Environment</i> 139: 557-564	9.40	-
308.	Yaduvanshi, N.P.S. and Sharma, D.R.	2010	Effect of organic sources with and without chemical fertilizing on productivity of rice ( <i>Oryza sativa</i> ) and wheat ( <i>Triticum aestivum</i> ) sequence and plant nutrients balance in a reclaimed sodic soil	<i>Indian J. of Agricultural Sciences</i> 80(6): 482-486	6.17	-
309.	Bhattacharyya, R., Smets, T., Fullen, Poesen, J., Booth, C.A.	2010	Effectiveness of geotextiles in reducing runoff and soil loss—a synthesis	<i>Catena</i> 81: 184-195	8.82	28
310.	Bhattacharyya, R., Fullen, M.A., Davies, K. and Booth, C.A.	2010	Use of palm-mat geotextiles for rainsplash erosion control	<i>Geomorphology</i> 119: 52-61	8.79	18
311.	Bhattacharyya, R., Zheng Yi, Li Yongmei, Tang, Li, Panom-tarachichigul, M. Peukrai, S., Dao Chau Thu, Tran Huu Cuong, and Truong Thi Toan, Jankauskas, B. and Jankauskiene et al.	2010	Effects of biological geotextiles on aboveground biomass production in selected agro-ecosystems	<i>Field Crops Research</i> 126: 23-36	8.98	5
312.	Bhattacharyya, R., Pandey, S.C., Chandra, S., Kundu, S., Saha, S., Mina, B.L., Srivastva, A.K. and Gupta, H.S.	2010	Fertilization effects on yield sustainability and soil properties under irrigated wheat-soybean system of the Indian Himalayas	<i>Nutrient Cycling in Agro-Ecosystems</i> 86: 255-268	7.9	20
313.	Bhattacharyya, R., Ved Prakash, Kundu, S., Srivastva, A.K. and Gupta, H.S.	2010	Long term effects of fertilization on carbon and nitrogen sequestration and aggregate associated carbon and nitrogen in the Indian sub-Himalayas	<i>Nutrient Cycling in Agro-Ecosystems</i> 86: 1-16	7.9	43
314.	Saha, S., Gopinath, K.A., Mina, B.L., Bhattacharyya, R., Kundu, S. and Gupta, H.S.	2010	Expression of soil chemical and biological behaviour on nutritional quality of aromatic rice under organic and conventional regimes	<i>Communications of Soil Science and Plant Analysis</i> 41: 1816-1831	6.39	6



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315.	Basak, B.B. and Biswas, D.R.	2009	Influence of potassium solubilizing microorganism ( <i>Bacillus mucilaginosus</i> ) and waste mica on potassium uptake dynamics by sudan grass ( <i>Sorghum vulgare</i> Pers.) grown under two Alfisols	<i>Plant and Soil</i> 317: 235-255	9.24	-
316.	Behera S.K., Dhyan-Singh and Dwivedi B.S.	2009	Changes in fractions of iron, manganese, copper, and zinc in soil under continuous cropping for more than three decades	<i>Communications in Soil Science and Plant Analysis</i> 40: 1-28	-	-
317.	Behera S.K., Dhyan Singh, Dwivedi B.S. and Bhadraray S.	2009	Fractions of copper in soil under a long-term experiment and their contribution to copper availability and uptake by maize-wheat cropping sequence	<i>Journal of Plant Nutrition</i> 32: 1092-1107	-	-
318.	Bhattacharyya, R., Fullen, M.A., Davies, K. and Booth, C.A.	2009	Utilizing palm leaf geotextile mats to conserve loamy sand soil in the United Kingdom	<i>Agriculture, Ecosystem &amp; Environment</i> 130: 50-58	9.4	36
319.	Biswas, D.R., Narayanasamy, G., Datta, S.C., Singh, G., Begum, Mamata, Maiti, D., Mishra, A. and Basak, B.B.	2009	Changes in nutrient status during preparation of enriched organomineral fertilizers using rice straw, low-grade rock phosphate, waste mica, and phosphate solubilizing microorganism	<i>Communications in Soil Science and Plant Analysis</i> 40: 2285-2307	6.39	-
320.	Ghosh, K., Nayak, D.C. and Ahmed, N.	2009	Soil organic matter	<i>Journal of the Indian Society of Soil Science</i> 57: 494-501	4.95	-
321.	Mandal, A., Patra, A.K., Singh, D., Purakayastha, T.J. and Masto, R.E	2009	Effects of long-term organic and chemical fertilization on N and P in wheat plants and in soil during crop growth	<i>Agrochimica</i> LIII 79-91	6.21	-
322.	Purakayastha, T.J., Smith, J.L. and Huggins, D.R.	2009	Biomass and N cycling under Native Prairie, Conservation Reserve and No-tillage in Palouse Soils	<i>Geoderma</i> 283-289	8.77	-



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323.	Purakayastha, T.J. and Chhonkar, P.K.	2009	Screening of Brassica for hyper- accumulation of zinc, copper, lead, nickel and cadmium	<i>Indian Journal of Plant Physiology</i> 14(4): 344-352	4.66	-
324.	Ramakrishna, P.V.R. and Biswas D.R.	2009	Assessment, safer disposal and utilization of agricultural and industrial wastes	<i>Journal of the Indian Society of Soil Science</i> 57: 502-512	4.95	-
325.	Ranvir Singh, Singh, Y.P., Yaduvanshi, N.P.S. and Sharma, D.K.	2009	Effect of irrigation scheduling and integrated nutrient management on yield of rice-wheat system and properties of a reclaimed sodic soil	<i>J. Indian Soc. Soil. Sci.</i> 57(3): 280-286	5.12	2
326.	Sandeep, S., Manjaiah, K.M., Sachdev, P. and Sachdev, M.S.	2009	Effect of nitrogen, potassium and humic acid on <sup>134</sup> Cs transfer factors to wheat from tropical soils in Neubauer growth units	<i>Environ. Monitoring Assessment</i> 149: 43-52	7.59	-
327.	Sarkar, B., Patra, A.K. and Purakayastha, T.J.	2009	Assessment of biological and biochemical indicators in soil under transgenic Bt and non-Bt cotton crop in a sub-tropical environment	<i>Environmental Monitoring and Assessment</i> 156: 595-604	7.68	-
328.	Setter, T.L., Waters, I., Sharma, S.K. Singh, K.N., Kulshreshtha, N., Yaduvanshi, N.P.S., Ram, P.C., Singh, B.N., Rane, J., McDonald, G., Khabaz-Saberi, H., Biddulph, T.B., Wilson, R., Barclay, R. Mclean, R. and Cakir, M.	2009	Review of Wheat Improvement for Waterlogging Tolerance in Australia and India: Importance of Anaerobiosis and Element Toxicities Associated with Different Soils	<i>Annals of Botany</i> 103(2): 221-235	9.98	91
329.	Singh V.K., Tewari R., Sharma S.K., Dwivedi B.S., Tiwari K.N. and Gill M.S.	2009	Economic viability of rice-rice cropping as influenced by site-specific nutrient management	<i>Better Crops with Plant Food</i> 93(2): 6-9	-	-
330.	Bhattacharyya, R., Ved Prakash, Pandey, S.C., Kundu, S., Srivastva, A.K. and Gupta, H.S.	2009	Effect of fertilization on carbon sequestration in soybean-wheat rotation under two contrasting soils and management practices in the Indian Himalayas	<i>Australian Journal of Soil Research</i> 47: 592-601	7.32	17



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331.	Singh, K.P., Chandra, S., Bhattacharyya, R., Srivastva, A.K. and Gupta, H.S.	2009	Design, development and evaluation of manual-cum-bullock operated zero till seed-cum-fertilizer drill for hills	<i>Agricultural Mechanization in Asia, Africa and Latin America</i> 40: 50-57	6.10	3
332.	Bhattacharyya, R., Ved Prakash, Kundu, S., Srivastva, A.K. and Gupta, H.S.	2009	Soil aggregation and organic matter in a sandy clay loam soil of the Indian Himalayas under different tillage and crop regimes	<i>Agriculture, Ecosystem &amp; Environment</i> 132: 126-134	9.4	59
333.	Yadav R.L. and Meena, M.C.	2009	Available micronutrients status and their relationship with soil properties of Degana soil series of Rajasthan	<i>Journal of the Indian Society of Soil Science</i> 57(1): 90-92	4.95	-
334.	Singh N.J., Athokpam H.S., Patel K.P. and Meena M.C.	2009	Effect of nitrogen and phosphorus in conjunction with organic and micronutrients on yield and nutrient uptake by maize-wheat cropping sequences and soil fertility	<i>Environment and Ecology</i> 27(1): 25-31	4.09	-
335.	Singh R.K., Meena M.C., Chakraborty D., Garg R.N. and Subbarao, Y.V.	2009	Impact assessment of varied nitrogen levels on pearl millet and soil fertility- with and without irrigations	<i>Journal of Soil and Water Conservation</i> 8(3): 59-68	3.68	-
336.	Behera S.K., Dhyan Singh, Dwivedi B.S., Singh S., Kumar K. and Rana, D.S.	2008	Distribution of forms of zinc and their contribution towards availability and plant uptake of zinc under long-term maize ( <i>Zea mays</i> L.) wheat ( <i>Triticum aestivum</i> L.) cropping on an Inceptisol	<i>Australian Journal of Soil Research</i> 46(1): 83-89	-	-
337.	Manoj Kumar, Bhadraray, S., Sachdev, M.S., Swarup, A., Patra, A.K., Biswas, D.R., Pal, M., Pandey, R., Chandralekha, J.U. and Verma, U.K.	2008	Nitrogen use efficiency in wheat ( <i>Triticum aestivum</i> L.) under elevated CO <sub>2</sub> using <sup>15</sup> N tracer	<i>Journal Nuclear Agriculture and Biology</i>	3.00	-
338.	Masto, R.E., Chhonkar, P.K., Purakayastha, T.J., Patra, A.K. and Singh, D.	2008	Soil quality indices for evaluation of long-term land use and soil management practices in semi-arid sub-tropical India	<i>Land Degradation and Development</i> 19: 1-14	9.09	-



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339.	Meena M.C., Patel K.P., Dhyan Singh and Dwivedi B.S.	2008	Long-term effect of sewage sludge and farmyard manure on grain yields and availability of zinc and iron under pearl millet ( <i>Pennisetum glaucum</i> ) - Indian mustard ( <i>Brassica juncea</i> ) cropping sequence	<i>Indian Journal of Agricultural Sciences</i> 78(12): 1028-1032	-	-
340.	Nishanth, D. and Biswas, D.R.	2008	Kinetics of phosphorus and potassium release from rock phosphate and waste mica enriched compost and their effect on yield and nutrient uptake by wheat ( <i>Triticum aestivum</i> )	<i>Bioresource Technology</i> 99: 3342-3353	10.49	-
341.	Pandey, S.C., Singh, R.D., Shaha, S., Kumar, A., Kumar, M. and Srivastava, A.K.	2008	Effect of tillage and irrigation on yield, profitability, water productivity and soil health in rice ( <i>Oryza sativa</i> L.)-wheat ( <i>Triticum aestivum</i> ) cropping system in North West Himalayas	<i>Indian J. Agric. Sci.</i> 78(12): 1018-1022	6.14	11
342.	Purakayastha, T.J., Huggins, D.R. and Smith, J.L.	2008	Carbon sequestration in native Prairie, perennial grass, no-till, and cultivated Palouse silt loam	<i>Soil Science Society of America Journal</i> 72: 534-5402008	7.72	-
343.	Purakayastha, T.J., Rudrappa, L., Singh, Swarup, A. and S. Bhadraray	2008	Long-term impact of fertilizers on soil organic carbon pools and sequestration rates in maize-wheat-cowpea cropping system	<i>Geoderma</i> 144: 370-378	8.77	-
344.	Purakayastha, T.J., Viswanath, Thulasi, Bhadraray, S., Chhonkar, P.K., Adhikari, P. P. and Suribabu, K.	2008	Phytoextraction of zinc, copper, nickel and lead from a contaminated soil by different species of <i>Brassica</i>	<i>International Journal of Phytoremediation</i> 10: 63-74	7.74	-
345.	Sandeep, S. and Manjaiah, K.M.	2008	Transfer factors of <sup>134</sup> Cs to crops from Typic Haplustept under tropical region as influenced by potassium application	<i>J. Env. Radioactivity</i> 99(2): 349-358	7.6	-
346.	Sarkar, B., Patra, A.K. and Purakayastha, T.J.	2008	Transgenic Bt-Cotton Affects Enzyme Activity and Nutrient Availability in a Sub-Tropical Inceptisol	<i>Journal of Agronomy and Crop Science</i> 194: 289-296	8.44	-
347.	Sharma, V.K., Ahmed, S.B. and Agarwal, Brajesh	2008	Performance of Garlic ( <i>Allium sativum</i> ) var. Agri-found Parvati under different planting system in cold arid condition of Ladakh (J&K)	<i>Indian Journal of Arid Horticulture</i> 3(2): 64-65	2.84	-



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348.	Sharma, V.K., Shafi Musarat, Verma Avinash, Sharma, Poonam and Ahmed, S.B.	2008	Quality assessment of wheat varieties of Ladakh for biscuits making characteristics	<i>Agricultural Science Digest.</i> 28(2): 145-146	4.21	1
349.	Sharmistha Pal, Datta, S.P., Rattan, R.K. and Singh, A.K.	2008	Diagnosis and amelioration of iron deficiency under aerobic rice	<i>Journal of Plant Nutrition</i> 31: 919-940	6.49	-
350.	Singh V.K., Dwivedi B.S., Shukla Arvind K. and Mishra, R.P.	2008	Effect of puddling and N management on productivity of rice-wheat cropping system under sandy loam soils of Upper Gangetic Plain	<i>Journal of Farming Systems Research and Development</i> 14(1): 12-19		-
351.	Yaduvanshi, N.P.S. and Sharma, D.R.	2008	Tillage and residual organic manures/chemical amendment effects on soil organic matter and yield of wheat under sodic water irrigation	<i>Soil &amp; Tillage Research</i> 98: 11-16	8.71	42
352.	Bhattacharyya, R., Kundu, S., Pandey, S., Singh, K.P. and Gupta, H.S.	2008	Tillage and irrigation effects on crop yields and soil properties under rice-wheat system of the Indian Himalayas	<i>Agricultural Water Management</i> 95: 993-1002	8.29	72
353.	Bhattacharyya, R., Kundu, S., Ved Prakash and Gupta, H.S.	2008	Sustainability under combined application of mineral and organic fertilizers in a rainfed soybean-wheat system of the Indian Himalayas	<i>European Journal of Agronomy</i> 28: 32-46	8.7	104
354.	Kant Pratap C.B., Bhadraray, S., Purakayastha, T.J., Jain, Vanita, Pal, Madan and Datta, S.C.	2007	Active carbon pools in rhizosphere of wheat ( <i>Triticum aestivum</i> L.) grown under elevated atmospheric carbon di oxide concentration in a Typic Haplusteptin sub-tropical India	<i>Environmental Pollution</i> 147: 273-281	10.14	-
355.	Kharub, A.S., Sharma, V.K. and Chauhan, D.S.	2007	Effect of tillage and weed management options on productivity and profitability of cotton-wheat system	<i>International Journal of Agricultural Sciences</i> 3(1): 110-112	4.82	-
356.	Kharub, A.S., Sharma, V.K. and Chauhan, D.S.	2007	Suitability of cotton and wheat varieties for cotton-wheat system	<i>International Journal of Agricultural Sciences</i> 3(1): 87-89	4.82	-



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357.	Kumar, Ajay, Kaushal, K.K. and Singh, R.D.	2007	Prediction of annual maximum daily rainfall of Almora based on probability analysis	<i>Indian J. Soil Cons.</i> 35(1): 82-83	4.90	-
358.	Mamata, B., Narayanasamy, G., Rai, R.K. and Biswas, D.R.	2007	Influence of integrated nutrient management on nitrogen and phosphorus in soil under wheat-mungbean-maize cropping system	<i>Journal of the Indian Society of Soil Science</i> 55: 175-183	4.95	-
359.	Pandey, R.N. and Girish, B.H.	2007	An improved turbidimetric method for the estimation of sulphur in soil extracts	<i>J. Indian Soc. Soil Sci.</i> 55: 73-79	4.95	5
360.	Pandey, R.N. and Girish, B.H.	2007	Extractants and critical limits of available soil sulphur for maize ( <i>Zea mays</i> L.)	<i>Journal of the Indian Society of Soil Science</i> 55(3): 304-312	4.95	2
361.	Paulose Bibin, Datta, S.P., Rattan, R.K. and Chhonkar, P.K.	2007	Effect of amendments on the extractability, retention and plant uptake of metals on a sewage-irrigated soil	<i>Environmental Pollution</i> 146: 19-24	10.14	-
362.	Purakayastha, T.J.	2007	Pyrite: an efficient amendment for reducing ammonia volatilization from surface applied prilled urea	<i>Indian Journal of Fertilisers</i> 2(11): 47-502	3.78	-
363.	Purakayastha, T.J., Chhonkar, P.K., Bhadraray, S., Patra, A.K., Verm, V. and Khan, M.A.	2007	Long-term impacts of different land use and soil management on various organic carbon fractions in an Inceptisol of subtropical India	<i>Australian Journal of Soil Research</i> 45: 33-40	7.32	-
364.	Yaduvanshi, N.P.S. and Sharma, D.R.	2007	Use of wheat residue and manures to enhance nutrient availability and rice-wheat yields in sodic soil under sodic water irrigation	<i>J. Indian Soc. Soil. Sci.</i> 55(3): 330-334	5.12	10
365.	Kundu, S., Bhattacharyya, R., Ved Prakash, Ghosh, B.N. and Gupta, H.S.	2007	Carbon sequestration and relationship between carbon addition and storage under rainfed soybean-wheat rotation in a sandy loam soil of the Indian Himalayas	<i>Soil and Tillage Research</i> 92: 87-95	8.62	111





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366.	Kundu, S., Bhattacharyya, R., Ved-Prakash, Pathak, H., Gupta, H.S. and Ladha, J.K.	2007	Long-term yield trend and sustainability of rainfed soybean-wheat system through farmyard manure application in a sandy loam soil of the Indian Himalayas	<i>Biology and Fertility of Soils</i> 43: 271-280	9.4	36
367.	Ved-Prakash, Bhattacharyya, R., Selvakumar, G., Kundu, S. and Gupta, H.S.	2007	Long-term effects of fertilization on some soil properties under rainfed soybean-wheat cropping in the Indian Himalayas	<i>Journal of Plant Nutrition and Soil Science</i> 170: 1-10	7.46	21
368.	Bhattacharyya, R., Chandra, S., Singh, R.D., Kundu, S. Srivastva, A.K. and Gupta, H.S.	2007	Long-term farmyard manure application effects on soil properties in a silty clay loam soil under irrigated wheat-soybean rotation	<i>Soil and Tillage Research</i> 94: 386-396	8.62	77
369.	Saha, S., Pandey, A.K., Gopinath, K.A., Bhattacharyya, R., Kundu, S. and Gupta H.S.	2007	Nutritional quality of organic rice grown on organic composts	<i>Agronomy for Sustainable Development</i> 27: 1-7	9.99	34
370.	Ved-Prakash., Kumar, N., Bhattacharyya, R., Kumar, M. and Srivastva, A.K.	2007	Productivity, economics, nergetic and soil properties of vegetables-based relay intercropping systems	<i>Indian Journal of Agronomy</i> 52: 19-24	0	2
371.	Biswas, D.R. and Narayanasamy, G.	2006	Rock phosphate enriched compost: An approach to improve low-grade Indian rock phosphate	<i>Bioresource Technology</i> 97: 2243-2251	10.49	-
372.	Bhattacharyya, R., Ved-Prakash, Kundu, S. and Gupta, H.S.	2006	Effect of tillage and crop rotations on pore size distribution and soil hydraulic conductivity in sandy clay loam soil of the Indian Himalayas	<i>Soil &amp; Tillage Research</i> 82: 129-140	8.62	99
373.	Bhattacharyya, R., Ved-Prakash, Kundu, S., Ghosh, B.N., Srivastva, A.K. and Gupta, H.S.	2006	Potassium balance as influenced by farmyard manure application under continuous soybean-wheat cropping system in a Typic Haplaquept	<i>Geoderma</i> 137: 155-160	8.77	20
374.	Pandey, A.K. Gopinath, K.A., Bhattacharyya, R., Hooda, K.S., Sushil, S.N., Kundu, S., Selvakumar, G. and Gupta, H.S.	2006	Effect of source and rate of organic manure on yield attributes, pod yield and economics of organic garden pea in North Western Himalaya	<i>Indian Journal of Agricultural Sciences</i> 76: 230-234	6.14	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
375.	Bhattacharyya, R., Sachdev, M.S., Uppal, K.S., Narayanasamy, G., Datta, S.P. and Singh, A.K.	2006	Effect of nitrogen-15 labelled urea application alone and in combination with farmyard manure or green manure on yield of and nitrogen use efficiency by rice	<i>Journal of the Indian Society of Soil Science</i> 54: 500-504	-	3
376.	Bhattacharyya, R., Ved-Prakash, Kundu, S., Srivastva, A.K. and Gupta, H.S.	2004	Effect of long term manuring on soil organic carbon, bulk density and water retention characteristics under soybean-wheat cropping sequence in N-W Himalayas	<i>Journal of the Indian Society of Soil Science</i> 52: 238-242	-	26
377.	Ram, R.L., Sharma, P.K., Chatterjee, T., Kumar, S. and Ahmed, N.		Soil Resource Mapping and Assessment of Soils at Different Physiographic Divisions in Selected Mandals of Prakasam District, Andhra Pradesh: A Remote Sensing and GIS Approach	<i>International Journal of Bio-resource and Stress Management</i> 5: 340-349	4.46	-
378.	Bhattacharyya, R., Fullen, M.A., Booth, C.A., Smets, T., Poesen, J. and Black, A.		Use of palm mat geotextiles for soil conservation	<i>Catena</i> 84: 99-107	8.82	9

## Faculty Profile

### (i) Professors

S. No.	Name	Period
1.	Dr. B.K. Nad	30.06.2006 to 30.04.2007
2.	Dr. L.M. Shukla	01.05.2007 to 30.08.2009
3.	Dr. R.K. Rattan	31.08.2009 to 21.02.2012
4.	Dr. R.D. Singh	22.02.2012 to till date

### (ii) Heads

S. No.	Name	Period
1.	Dr. Anand Swarup	01.07.2006 to 28.07.2011
2.	Dr. B.S. Dwivedi	29.07.2011 to till date



### (iii) Faculty Members

S. No.	Name of the Faculty	Qualification	Specialization	h-Index	i10-Index
1.	Dr. B.S. Dwivedi	Ph.D.	Soil Science-Soil Chemistry/Fertility/Microbiology	19	42
2.	Dr. R.D. Singh	Ph.D.	Soil Chemistry/ Fertility/Microbiology	15	20
3.	Dr. S.C. Datta	Ph.D.	Soil Science-Soil Chemistry/Fertility/Microbiology	-	-
4.	Dr. N.P.S. Yaduvanshi	Ph.D.	Soil Chemistry/Fertility	10	13
5.	Dr. R.N. Pandey	Ph.D.	Soil Science-Soil Chemistry/ Fertility/Microbiology	7	3
6.	Dr. Nayan Ahmed	Ph.D.	Soil Science – Pedology	7	4
7.	Dr. D.R. Biswas	Ph.D.	Soil Science-Soil Chemistry/ Fertility/Microbiology	-	-
8.	Dr. K.M. Manjaiah	Ph.D.	Soil Science-Soil Chemistry/ Fertility/Microbiology	-	-
9.	Dr. T.J. Purakayastha	Ph.D.	Soil Chemistry/ Fertility/ Microbiology	15	22
10.	Dr. S.P. Datta	Ph.D.	Soil Science-Soil Chemistry/ Fertility/Microbiology	17	26
11.	Dr. S.K. Singhal	Ph.D.	Soil fertility & nutrient management	04	-
12.	Dr. Vinod Kumar Sharma	Ph.D.	Soil fertility & nutrient management	08	06
13.	Dr. Ranjan Bhattacharyya	Ph.D.	Soil Science	20	35
14.	Dr. M.C. Meena	Ph.D.	Soil Science-Soil Chemistry/ Fertility/Microbiology	-	-
15.	Dr. Sarvendra Kumar	Ph.D.	Soil Ecology and eco-toxicity of nanomaterials	4	1
16.	Dr. (Ms.) Mandira Barman	Ph.D.	Soil Science-Soil Chemistry/ Fertility/Microbiology	-	-
17.	Dr. (Ms.) Sunanda Biswas	Ph.D.	Soil Science-Soil Chemistry/ Fertility/Microbiology	-	-
18.	Dr. Shrila Das	Ph.D.	Soil Science-Soil Chemistry/ Fertility/Microbiology	2	1
19.	Dr. Ruma Das	Ph.D.	Soil Science-Soil Chemistry/ Fertility/Microbiology	1	1
20.	Mr. Chobhe Kapil Atmaram	M.Sc.	Soil chemistry/ Fertility Microbioloy	-	-



# Water Science and Technology

Man Singh

## Students Awarded Degree

S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
<b>Ph.D. Students</b>					
1.	2016	Sunil Kumar	Effect of conservation agriculture practices and irrigation scheduling on water use and productivity of maize – wheat cropping system	Dr. S.S. Parihar	-
2.	2015	Rajesh Kumar Meena	Mitigation of terminal heat stress in wheat ( <i>Triticum aestivum</i> L.) through sowing dates and irrigation regimes	Dr. S.S. Parihar	-
3.	2013	Manisha Eknath Mane	Impact of Climate Change on Water Requirement and Crop Yield in Central Vidarbha Agro-climatic Region of Maharashtra	Dr. S.S. Parihar	-
4.	2010	Shinde Amol Bhagwan	Modeling of Terrain parameters and evapotranspiration in hilly watersheds using remote sensing and GIS	Dr. A.K. Singh	-
5.	2013	Shirsath Paresh Bhaskar	Modeling of Nitrogen Dynamics under surface fertigation	Dr. A.K. Singh	-
6.	2012	Sivasakthi S.	Modeling of nitrate transport in microirrigation fertigation in garlic ( <i>Allium sativum</i> L.)	Dr. Manoj Khanna	-
7.	2012	Pravukalyan Panigrahi	Deficit and partial root zone irrigation in drip – irrigated citrus	Dr. R.K. Sharma	-
8.	2011	A.A. Mustafa	Assessing degraded lands for alternate agricultural land use through Remote Sensing and GIS	Dr. Man Singh	-
9.	2011	Sanjay T. Satpute	Modeling nutrient distribution under drip fertigation in onion ( <i>Allium cepa</i> L.) crop	Dr. Man Singh	-
10.	2011	Tejaswini B. Patil	Water requirement and Irrigation scheduling of lettuce ( <i>Lactuca sativa</i> L.) crop under Trickle Irrigation	Dr. Man Singh	Merit Medal
11.	2008	Dhara Singh Gurjar	Nitrate Fluoride and Heavy metals contamination in groundwater, irrigated soils and crops grown in south-west region of Delhi State	Dr. B.R. Yadav	-
12.	2008	E. Natarajan	Effect of Soil salinity and sodicity on growth, yield and quality of marigold and chrysanthemum	Dr. B.R. Yadav	-



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
<b>M.Sc. Students</b>					
1.	2016	Vikash Kumar	Water productivity and yield of rice under different methods of establishment and N levels	Dr. S.S. Parihar	-
2.	2016	Raghu Kumar A.S.	Potential of plant based bio-adsorbents for heavy metal removal from wastewater	Dr. Khajanchi Lal	-
3.	2015	Piyush Rai	Effect of conservation agriculture practices in conjunction with deficit irrigation on water productivity of wheat	Dr. S.S. Parihar	-
4.	2015	Abhinav Krishna	Development of Surface Irrigation Design and operational guidelines for IARI farm	Dr. Manoj Khanna	-
5.	2014	Suman Kumar	Simulation of soil water dynamics and Pearl millet ( <i>Pennisetum glaucum</i> [L.] R. Br.) yield under different moisture conservation practices	Dr. Susama Sudhishri	-
6.	2014	Patil Prachi Dhananjay	Performance evaluation of furrow irrigation hydraulics with varying discharge rates	Dr. R.K. Sharma	-
7.	2013	Basavaraj R. Pujari	Response of Rice Varieties to Planting Method under Drip Irrigation.	Dr. Manoj Khanna	-
8.	2012	Babulal Palriya	Performance of Summer Mungbean ( <i>Vigna radiata</i> ) under surface and drip irrigation methods	Dr. Man Singh	-
9.	2012	Arun Kumar Gupta	Economic assessment of crop production under variable saline and alkaline environments	Dr. B.S. Kalra	-
10.	2012	Vijay Kumar Prajapati	Water Resource planning for enhancing crop productivity in a watershed	Dr. R.K. Sharma	-
11.	2011	Deepak	Performance of rice varieties with varying irrigation regimes under aerobic condition	Dr. S.S. Parihar	-
12.	2010	Ram Chandra Shingare	Rainfall runoff modelling using adaptive neuro-fuzzy technique	Dr. Manoj Khanna	-
13.	2010	Roop Singh Maitry	Allocation of water resources for optimal crop planning: A case study of NUH block of Mewat District, Haryana	Dr. B.S. Kalra	-
14.	2009	Chandra Kant Gore	Field Evaluation of surface fertigation in wheat	Dr. Manoj Khanna	-
15.	2009	Rajesh Kumar Meena	Performance of Groundnut ( <i>Arachis hypogaea</i> L.) under drip irrigation and rainfed condition	Dr. Man Singh	-



## Foreign Students Awarded Degree

S. No.	Year	Name of the Foreign Student	Thesis Title	Chairperson	Country
<b>Ph.D. Students</b>					
1.	2014	N.S. Abeysingha	Assessment of climate change impacts on surface water availability and crop production in Gomti river basin of India	Dr. Man Singh	Sri Lanka
2.	2014	Sami Ibrahim Mohamed Nour Gabir	Effect of Conservation Technology and Nitrogen Levels on Energy Use and Production of Rainfed Sorghum.	Dr. Manoj Khanna	Sudan
3.	2012	M.S. Nijamudeen	Evaluation of Conventional and dry liquid nitrogen and potassium fertilizer under drip irrigation system for sweet pepper ( <i>Capsicum annum L.</i> )	Dr. Man Singh	Sri Lanka
4.	2011	T. Karunainathan	Effect of quantity and quality of irrigation water on growth and yield of tomato under partial rootzone drying condition	Dr. Manoj Khanna	Sri Lanka
5.	2011	Rahim A. Nafchi	Modeling of groundwater quality and quantity for developing water management plan	Dr. Manoj Khanna	Iran
<b>M.Sc. Students</b>					
1.	2016	Ali Mohammad	Water Balance and Simulation of Rice Productivity in Conservation Agriculture based Direct-Seeded Rice	Dr. (Mrs.) Susama Sudhishri	Afghanistan
2.	2016	Naqibullah (Amir)	Water balance and legume productivity under different moisture conservation practices in rainfed agri-horti system	Dr. (Mrs.) Susama Sudhishri	Afghanistan
3.	2015	Gregory M. Kpowulu	Assessment and Monitoring of groundwater quality for carps fish production	Dr. Man Singh	Liberia
4.	2014	Hanan Tedele	Effect of different drip fertigation levels on the growth and yield of off-season summer squash under plastic low tunnel	Dr. Man Singh	Ethiopia

## Training Courses/Winter/Summer School/Workshop Organized

S. No.	Year	Title of Training Programme	Number of Trainees	Name(s) of the Course Director and Co-ordinators
1.	2016	Training Programme on Fundamental Concepts and Methodologies for Agricultural Water Management for the Technical Personnel of ICAR	25	Dr. Ravinder Kaur Dr. Manoj Khanna Dr. D.S. Gurjar
2.	2016	Training programme on उन्नत पर्वतीय कृषि हेतु मृदा एवं जल प्रबंधन	25	Dr. Anil Kumar Mishra Dr. Rajender Kumar Mrs. Rosin K.G.
3.	2016	Training programme on Soil and Water Management'' under Short Term Capacity Building Course for the faculty of ANASTU, Kandahar, Afgasnistan	3	Dr. Man Singh and faculty of WST
11.	2014	World Congress on Agroforestry	-	Dr. Manoj Khanna



S. No.	Year	Title of Training Programme	Number of Trainees	Name(s) of the Course Director and Co-ordinators
12.	2012	International Workshop on Understanding Water-Energy-GHG nexus for future water and food security	-	Dr. Manoj Khanna
13.	2012	Brainstorming Session on Water and Food Security under Climate Change scenario	-	Dr. Manoj Khanna
14.	2012	Operation management and trouble shooting in phytotron	3	Dr. Rajendra Singh
15.	2010	National Convention on 44 <sup>th</sup> Indian Society of Agricultural Engineers Convention	-	Dr. Manoj Khanna
16.	2009	Australia-India workshop on “The Future of Water Security under Climate Change”	-	Dr. Manoj Khanna
17.	2009	World Congress on Conservation Agriculture	-	Dr. Manoj Khanna
18.	2007	Model Training Course on Micro-irrigation System and Water Conservation Technology	-	Dr. Manoj Khanna
19.	2007	On the Spot Training Course (OTSC) on Advanced Irrigation Systems for Intensive Crop Production	-	Dr. Manoj Khanna
20.	2012	Trainers Training Programme on Scaling up of Water Productivity in Agriculture for Livelihoods	-	Dr. Manoj Khanna
21.	2012	Farmers training on Scaling up of Water Productivity in Agriculture for Livelihoods	-	Dr. Manoj Khanna
22.	2007	Inter-Regional Conference on Water and Environment (ENVIROWAT 2007) Ensuring Water and Environment for Prosperity and Posterity	-	Dr. Manoj Khanna

### Training Received by the Faculty Members Within the Country

S. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
1.	2016	Dr. Man Singh	Strategy Workshop – Towards Self-sufficiency of Pulses in India	2 days	NAAS
2.	2016	Mrs. Rosin K.G.	Training Programme on Advances in Experimental Data Analysis	21 days	ICAR-IASRI, New Delhi
3.	2015	Dr. D.S. Gurjar	ICAR Sponsored short course on Micro irrigation and fertigation technology for enhance input use efficiency	10 days	College of Agricultural Engineering and Technology, VNMKV, Parbhani, Maharashtra, India
4.	2013	Dr. S. Sudhishri	4 <sup>th</sup> National training on ‘Project Formulation, Risk Assessment, Scientific Report Writing & Presentation (PFRASRWP)	5 days	Sponsored by NAIP at Engineering Division, IARI
5.	2013	Dr. S. Sudhishri	Projects MIS training for scientific staff of IARI (Batch-13)	1 day	ASRB online Examination centre, LBS building, IARI
6.	2013	Dr. Neeta Dwivedi	Application of bioinformatics tools in Agriculture	3 days	DBT, Govt. of India, at IARI, New Delhi



S. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
7.	2013	Dr. Neeta Dwivedi	Project MIS training for scientific staff. ASRB building IARI	13 days	ICAR
8.	2013	Mrs. Rosin K.G.	ICAR sponsored short course on “Geostatistical modelling for spatio-temporal assessment of soil and water resources”	10 days	ICAR-CAZRI, Jodhpur
9.	2012	Dr. Man Singh	Management Development Pro-gramme on Leadership Develop-ment	12 days	NAARM, Hyderabad
10.	2012	Dr. D.S. Gurjar	ICAR sponsored Winter School on “Advances in Micro-Irrigation and Fertigation”	21 days	CPCT, IARI, New Delhi
11.	2012	Dr. D.S. Gurjar	CAFT training programme on “Statistical Models for forecasting in agriculture”	21 days	Indian Agricultural Statistics Research Institute, New Delhi
12.	2012	Dr. D.S. Gurjar	Sustainable disposal of domestic sewage effluent using agroforestry system	4 days	Punjab Agricultural University, Ludhiana
13.	2012	Dr. D.S. Gurjar	National Training on Sensor Based Application for Enhancing Input Use Efficiency by Wireless Irrigation and Fertigation Control	14 days	WTC, IARI, New Delhi
14.	2012	Mrs. Rosin K.G.	National training program on Sensor based application for enhancing input use efficiency by wireless irrigation and Fertigation control	10 days	WTC, ICAR-IARI, New Delhi
15.	2012	Mrs. Rosin K.G.	ICAR sponsored short course on “Micro Irrigation and Other Technological Options for Enhancing Water Productivity in Vegetable Crops”	10 days	ICAR-IIVR, Varanasi
16.	2012	Mrs. Rosin K.G.	AUS-AID, Australia funded training work shop on “Sustainable disposal of sewage effluent using agro forestry systems”	4 days	PAU, Ludhiana
17.	2011	Dr. Man Singh	Employer’s Perspective on Labour Related Laws	3 days	NAARM, Hyderabad

### Training Received by the Faculty Members Outside Country

S. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
1.	2013	Dr. Manoj Khanna	Second Climate-Smart Agriculture Global Science Conference at UC Davis Campus in Davis, California, USA	3 days	The University of California, Davis, USA and The World Bank
2.	2011	Dr. Manoj Khanna	International Training on Climate Change Modelling	4 weeks	NAIP-GEF (World Bank funds)





S. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
3.	2010	Dr. Manoj Khanna	Inter-Regional Workshop on Policy Aspects of Climate Change at Petaling Jaya, Malaysia	3 days	World Meteorological Organisation (WMO)
4.	2009	Dr. Manoj Khanna	Inter-Regional Workshop on Indices, and early warning systems for drought during 8-11, December 2009 at Lincoln, USA	4 days	World Meteorological Organisation (WMO), together with US National Drought Mitigation Centre (NDMC) and School of Natural Resources of the University of Nebraska-Lincoln

#### Awards Conferred on the Faculty Members

S. No.	Year	Name of the Faculty Member	Name of Award Received	Institution which Gave the Award
1.	2016	Dr. Man Singh	Fellow	The Institution of Engineers (India)
2.	2016	Dr. S. Sudhishri	Gold Medal	IISWC (formerly CSWCRTI), Dehradun
3.	2015	Dr. Ravinder Kaur	Honorary Membership Award	Soil Conservation Society of India
4.	2015	Dr. Man Singh	Best Teacher Award	ICAR-IARI
5.	2015	Dr. S. Sudhishri	Distinguished Service Certificate	Indian Society of Agricultural Engineers, New Delhi
6.	2015	Dr. S. Sudhishri	Best Oral Presentation Award-2015	IJTA International Conference on Agriculture, Horticulture and Plant Scienc
7.	2015	Dr. S. Sudhishri	Treasurer of Indian Society of Agricultural Engineers	ISAE
8.	2015	Dr. (Mrs.) Susama Sudhishri	Gold Medal	Indian Association of Soil and Water Conservation, ICAR-IISWC, Dehradun for outstanding contribution in soil and water conservation engineering
9.	2015	Dr. Neeta Dwivedi	Best Poster Award in International Conference on Natural Resource Management for Farming Systems and Rural Livelihood	IARI, Soil Conservation Society India
10.	2015	Dr. Rajendra Singh	Best Oral Presentation	The Institution of Engineering (India), Delhi State Centre
11.	2015	Dr. Rajendra Singh	Eminent Scientist	Indian Society of Genetics, Biotechnology Research and Development, Agra, India at St. John's College, Agra (U.P.), India



S. No.	Year	Name of the Faculty Member	Name of Award Received	Institution which Gave the Award
12.	2015	Mrs. Rosin K.G.	Best Oral Presentation award	National conference on Reinvigorating Agricultural Innovations and Farmers' Empowerment and Development (RAINFED-2015) at Hyderabad
13.	2015	Dr. D.S. Gurjar	Best Oral Paper Presentation Award-2015	International Journal of Tropical Agriculture (IJTA) and Serial Publications
14.	2014	Dr. Man Singh	Team Award	Indian Society of Agricultural Engineers
15.	2012	Dr. Man Singh	Best Research Paper Award	Indian Society of Agricultural Engineers (ISAE), New Delhi, India
16.	2012	Dr. S. Sudhishri	Best Poster Award	III <sup>rd</sup> International Agronomy Congress's
17.	2012	Dr. Ravinder Kaur	Bharat Jyoti Award	
18.	2011	Dr. Man Singh	Award of Honour as an Expert in Irrigation Engineering	Indo-US Science and Technology Forum, Min. of Science and Technology, Govt. of India
19.	2011	Dr. Ravinder Kaur	Environmental Leadership Award	
20.	2010	Dr. Ravinder Kaur	Fulbright Fellow	University of Florida, USA
21.	2009	Dr. Manoj Khanna	Best Poster Award	Indian Society of Agricultural Engineers (ISAE)
22.	2009	Dr. D.S. Gurjar	Young Scientist Associate Award-2009	Society for Recent Development in Agriculture
23.	2008	Dr. Man Singh	Best Poster Award	Indian Society of Agricultural Engineers (ISAE), New Delhi, India
24.	2007	Dr. Man Singh	Best Poster Award	Indian Society of Water Management, New Delhi, India
25.	2007	Dr. Manoj Khanna	Best Poster Paper Award, 10 <sup>th</sup> Inter-Regional Conference on Water and Environment (ENVIROWAT 2007)	Indian Society of Water Management and CIGR

### Faculty Participation in International Conference/Seminar/Assignments

S. No.	Year	Name of the Faculty Member	Name of International Conference/Seminar/Assignments	Duration	Place Visited
1.	2016	Dr. Khajanchi Lal	4 <sup>th</sup> International Agronomy congress on Agronomy	5 days	New Delhi
2.	2016	Dr. S. Sudhishri	International conference on water, environment, energy and society (ICWEES)	3 days	Bhopal
3.	2016	Dr. Man Singh	50 <sup>th</sup> Annual Convention of ISAE at Orissa University of Agriculture, Bhubaneswar	3 days	Bhubaneswar
4.	2016	Dr. Neeta Dwivedi	4 <sup>th</sup> International Agronomy Congress on "Agronomy for sustainable management of natural resources, environment, energy and livelihood security to achieve zero hunger challenge"	4 days	New Delhi, India



S. No.	Year	Name of the Faculty Member	Name of International Conference/ Seminar/Assignments	Duration	Place Visited
5.	2016	Dr. D.S. Gurjar	ICW 2016: 18 <sup>th</sup> International Conference on Wastewater held at Rio de Janeiro, Brazil on February 1-2, 2016 organized by World Academy of Science, Engineering and Technology (WASET)	2 days	Rio de Janeiro, Brazil
6.	2016	Dr. D.S. Gurjar	Indian Ecological Society International Conference 2016 on Natural Resource Management Ecological Perspectives held at SKUAST Jammu	3 days	Jammu
7.	2016	Dr. D.S. Gurjar	4 <sup>th</sup> International Agronomy Congress on "Agronomy for Sustainable Management of Natural Resources, Environment, Energy and Livelihood Security to Achieve Zero Hunger Challenge" held on 22-26 November 2016 at ICAR-IARI, New Delhi	5 days	New Delhi
8.	2016	Dr. S. Sudhishri	International Conference on "Conservation Farming Systems & Watershed Management in Rainfed Areas for Rural Employment and Poverty Eradication (ICON-Farm). Soil Cons. Soc. of India	5 days	New Delhi
9.	2016	Mrs. Rosin K.G.	4 <sup>th</sup> International Agronomy Congress	5 days	ICAR- IARI, New Delhi
10.	2016	Dr. Bipin Kumar	4 <sup>th</sup> International Agronomy Congress	5 days	New Delhi
11.	2015	Dr. S. Sudhishri	Simulation of daily rainfall-runoff for a Himalayan watershed of India. In: Abstracts, Souvenir of 47th Annual Convention and International symposium on 'Bio-energy-challenges and opportunities	3 days	ISAE and ANGRAU, Hyderabad
12.	2015	Dr. Man Singh	7 <sup>th</sup> Agricultural Summit "Agri@8% Challenges & Way out"	1 day	New Delhi
13.	2015	Dr. Man Singh	XII Agricultural Science Congress "Sustainable Livelihood Security for Smallholder Farmers"	4 days	Karnal
14.	2015	Dr. Neeta Dwivedi	International Conference on Natural Resource Management for Farming Systems and Rural Livelihood	4 days	New Delhi
15.	2015	Dr. D.S. Gurjar	2 <sup>nd</sup> IJTA International Conference on Agriculture, Horticulture and Plant Science at Hotel Landmark, The Mall, Shimla (H.P.), India	2 days	Shimla
16.	2015	Dr. D.S. Gurjar	International Conference on Natural Resource Management for Food Security and Rural Livelihood organized by Soil Conservation Society of India, New Delhi (India)	4 days	New Delhi
17.	2015	Mrs. Rosin K.G.	International Conference on Natural Resource Management for Food Security and Rural Livelihood	4 days	NASC, New Delhi



S. No.	Year	Name of the Faculty Member	Name of International Conference/ Seminar/ Assignments	Duration	Place Visited
18.	2015	Mrs. Rosin K.G.	International conference on integrating climate, crop, ecology -the emerging areas of agriculture, horticulture, livestock, fishery, forestry, biodiversity and policy issues” organized by “Krishi Sanskriti”	2 days	Jawaharlal Nehru University, New Delhi
19.	2013	Dr. Manoj Khanna	Second Climate-Smart Agriculture Global Science Conference at UC Davis Campus in Davis, California, USA	3 days	The University of California, Davis, USA and The World Bank
20.	2012	Dr. Neeta Dwivedi	International workshop on Understanding water – energy-GHG nexus for future water and food security, Organised by ISWM and The university of Melbourne, Australia	3 days	New Delhi
21.	2012	Dr. D.S. Gurjar	2 <sup>nd</sup> Regional Workshop for South Asia on Safe Use of Wastewater in Agriculture held at NASC, New Delhi	3 days	New Delhi
22.	2011	Dr. Manoj Khanna	International Training on Climate Change Modelling	4 Weeks	NAIP-GEF (World Bank funds)
23.	2010	Dr. Manoj Khanna	Inter-Regional Workshop on Policy Aspects of Climate Change at Petaling Jaya, Malaysia	3 days	World Meteorological Organisation (WMO)
24.	2009	Dr. Manoj Khanna	Inter-Regional Workshop on Indices, and early warning systems for drought	4 days	World Meteorological Organisation (WMO), together with US National Drought Mitigation Centre (NDMC) and School of Natural Resources of the University of Nebraska-Lincoln
25.	2009	Dr. D.S. Gurjar	International Conference on Nurturing Arid Zones for People and the Environment: Issues and Agenda for the 21st Century, CAZRI, Jodhpur	5 days	Jodhpur



## List of Publications Faculty and Students

S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
1.	Meena R.K., S.S. Parihar, M. Singh and M. Khanna	2016	Effects of sowing dates and irrigation regimes on grain quality of wheat grown under semi-arid condition of India	<i>Journal of Applied and Natural Science</i> 8(2): 960-966	5.08	-
2.	S. Naresh Kumar, Anuja, Md. Rashid, S.K. Bandyopadhyay, R. Padaria and M. Khanna	2016	Adaptation of farming community to climatic risk: does adaptation cost for sustaining agricultural profitability	<i>Current Science</i> 110(7): 1216-1224		-
3.	Patle, G.T., Singh, D.K., Sarangi, A. and Khanna, M.	2016	Managing CO <sub>2</sub> emission from groundwater pumping for irrigating major crops in trans indo-gangetic plains of India	<i>Climate Change</i> DOI: 10.1007/s10584-016-1624-2		-
4.	Gurjar, D.S. and Kaur R.	2016	Spatial Variation of Groundwater Quality of IARI Farm, New Delhi	<i>Indian Journal of Ecology</i> 43(I): 60-62	4.47	-
5.	Sudhishri S., Kumar A. and Singh J.K.	2016	Comparative Evaluation of Neural Network and Regression Based Models to Simulate Runoff and Sediment Yield in an Outer Himalayan Watershe	<i>Journal of Agricultural Science and Technology</i> 18: 681-694	6.68	-
6.	Jakhar Praveen, Dass Anchal, Adhikary Partha Pratim, Sudhishri S., Naik B.S., Hombegowda H.C., Madhu M., Lenka N.K., Chaudhary P.R. and Panda R.K.	2016	Multitier agroforestry system for integrated resource conservation on uplands of Eastern Ghats region in India	<i>Agroforestry System</i> DOI: 10.1007/s10457-016-9976-1	7.22	-
7.	Aggarwal Pramila, Bhattacharyya Ranjan, Mishra Amit Kumar, Das T.K., Pramanik P., Sudhishri S., Krishnan P., Chakraborty D. and Kamble K.H.	2016	Analysis of soil water balance and root water uptake patterns of cotton grown under conservation agriculture in the Indo-Gangetic Plains using Hydrus-2D model	<i>Agriculture, Ecosystems &amp; Environment</i>	9.40	-
9.	Dwivedi N., Nautiyal P.C., Singh K. and Singh I.	2016	Evaluation of maize ( <i>Zeamays</i> ) hybrid for leaf thermostability, photosynthetic rate, stem reserve and productivity, under rain dependent conditions	<i>Indian Journal of Agricultural Sciences</i> 86(10): 1426-1432	6.00	-
8.	Dwivedi N., Singh K., Nautiyal P.C., Goel S. and Rosin K.G.	2016	Differential response of antioxidant enzymes to water deficit stress in maize ( <i>Zea mays</i> L.) hybrids during two leaf stage	<i>Indian Journal of Agricultural Sciences</i> 86(6): 703-17	6.00	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
9.	Abeysingha, N.S., Singh, Man., Sehgal, V.K., Khanna, M. and Pathak, H.	2016	Analysis of trends in streamflow and its linkages with rainfall and anthropogenic factors in Gomti River basin of north India under review	<i>Theoretical and Applied Climatology</i> 123:786-799 T 047/8.02		-
10.	Sunil Kumar, S.S. Parihar, Man Singh, S.L. Jat, Babu Lal Meena, Panch Ram Mirjha and Hanuman Ram	2016	Conservation agriculture practices and irrigation scheduling affects the energy dynamics in a maize production system	<i>Ecology, Environment and Conservation</i> (Eco. Env. & Cons. 22 (2): 2016; pp. (993-999) (E021 / 5.02)		-
11.	Abeysingha, N.S., Singh, Man., Adul Islam and Sehgal, V.K.	2016	Climate change impacts on irrigated rice and wheat production in Gomti River basin of India: a case study	<i>Springer plus</i> 5: 1250 S057/6.98		-
12.	Shaloo, Sarangi, A. and Kaur, R.	2016	Analysis of rainfall and temperature trends in Haryana, India	<i>Indian Journal of Ecology</i> 43(SE-1): 21-27	4.47	-
13.	Celestin Defo, Ravinder Kaur, Paritosh Kumar, Khajanchi Lal, Anshu Bharadwaj, S.D. Singh and Ranjit Kumar Paul	2016	Development of linear models for predicting Ni concentrations uptake by three macrophyte species in vertical subsurface flow constructed wetlands	<i>Ecology, Environment and Conservation</i>		-
14.	Satpute S.T., Man Singh, M Khanna and D.K. Singh	2015	Modelling nutrient leaching below crop root zone of onion under drip fertigation	<i>J. Agril. Engg.</i> 54(4): 50-58		-
15.	Dhakar, M.K., A.K. Singh, V.B. Patel, S.K. Singh, S.P. Datta, Rajesh Kumar and M. Khanna	2015	Effect of different nitrogen sources and nitrification inhibitors on soil nitrogen distribution in Kinnow orchard	<i>Indian J. Hort.</i> 72(2): 178-182	6.11	-
16.	Meena R.L., L.K. Idnani, A. Kumar, M. Khanna, L. Shukla and R.L. Choudhary	2015	Water economization in rabi maize ( <i>Zea mays</i> L.) to enhance productivity through land configuration and irrigation scheduling in the Indo-Gangetic Plains of India	<i>Journal of Soil and Water Conservation</i> 14(1): 49-55	3.68	-
17.	Meena R.K., S. S. Parihar, M. Singh and M. Khanna	2015	Influence of date of sowing and irrigation regimes on crop growth and yield of wheat ( <i>Triticum aestivum</i> ) and its relationship with temperature in semi-arid region	<i>Ind. Journal Agronomy</i> 60(1): 72-78	5.00	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
18.	Mali, S.S., D.K. Singh, A. Sarangi, M. Khanna, S.S. Parihar and D.K. Das	2015	Variability mapping of crop evapotranspiration for water footprint assessment at basin level	<i>Indian Journal of Soil Conservation</i>	-	-
19.	Gurjar, D.S., Sudhishri, S., Mishra, A.K., Kaur R. and Khanna, M.	2015	Quality Characterization of Groundwater of the Biwan Watershed of Mewat District, Haryana	<i>International Journal of Tropical Agriculture</i> 33(4): 3239-3246	3.03	-
20.	Das T.K., Bandyopadhyay K. K., Bhattacharyya Ranjan, Sudhishri S., Sharma A.R., Behera U.K., Saharawat Y.S, Sahoo P.K. 1, Pathak H., Vyas A.K., Bhar L.M., Gupta H.S., Gupta R.K. and Jat M.L.	2015	Effects of conservation agriculture on crop productivity and Water-use efficiency under an irrigated pigeonpea-wheat cropping System in the western indo-gangetic plains	<i>Journal of Agricultural Science</i> 1-16 DOI: 10.1017/S0021859615001264	6.65	-
21.	Dass Anchal, Chandra Subhash, Choudhary Anil K., Singh Gurvinder and Sudhishri S.	2015	Influence of field re-ponding pattern and plant spacing on rice root-shoot characteristics, yield, and water productivity of two modern cultivars under SRI management in Indian Mollisols	<i>Paddy Water Environment</i> DOI: 10.1007/s10333-015-0477-z	7.25	-
22.	Khajanchi Lal, P.S. Minhas and R.K. Yadav	2015	Long-term impact of wastewater irrigation and nutrient rates II. Nutrient balance, nitrate leaching and soil properties under peri-urban cropping systems	<i>Agricultural Water Management</i> 156: 110-117	8.33	-
23.	Minhas P.S., Khajanchi Lal, R.K. Yadava, S.K. Dubey and R.K. Chaturvedi	2015	Long term impact of waste water irrigation and nutrient rates: I. Performance, sustainability and produce quality of peri urban cropping systems	<i>Agricultural Water Management</i> 156: 100-109	8.33	-
24.	Yadav, R.K., P.S. Minhas, Khajanchi Lal and R.K. Chaturvedi, Gajender and T.P. Verma	2015	Accumulation of metals in soils, groundwater and edible parts of crops grown under irrigation with sewage mixed industrial effluents	<i>Bulletin of Environmental Contamination and Toxicology</i> 94(5): 200-206	7.22	-
25.	N. Dwivedi, Singh K., Goel S. and Rosin K.G.	2015	Growth hormone regulation and its role in plants development	<i>International Journal of current research</i> 7(2): 12723-12726		-



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26.	Triveni, S., Prasanna, R., Kumar, A., Bidiarani, M., Singh, R. and Saxena, A.K.	2015	Evaluating the promise of <i>Trichoderma</i> and <i>Anabaena</i> based biofilms as multifunctional agents in <i>Macrophomina phaseolina</i> -infected cotton crop	<i>Biocontrol Science and Technology</i> 25(6): 656-670	6.73	-
27.	Bipin Kumar, Shiva Dhar, A.K. Vyas and V. Paramesh	2015	Impact of irrigation schedules and nutrient management on growth, yield and root traits of wheat ( <i>Triticum aestivum</i> ) varieties	<i>Indian Journal of Agronomy</i> 60(1): 87-91	5.0	-
28.	M. Hashim, S. Dhar, A.K. Vyas, V. Pramesh and B. Kuma	2015	Integrated nutrient management in maize ( <i>Zea mays</i> )-wheat ( <i>Triticum aestivum</i> ) cropping system	<i>Indian Journal of Agronomy</i> 60(3): 352-359	5.0	-
29.	N. Dwivedi, Singh K., Goel S. and Rosin K.G.	2015	Growth hormone regulation and its role in plants development	<i>International Journal of Current Research</i> 7(2): 12723-12726. SJIF 6: 2		-
30.	Abeyasingha N.S., Singh, Man., Sehgal, V.K., Khanna, M., Pathak, H., Jayakody, P. and Srinivasan, R.	2015	Assessment of water yield and evapotranspiration over 1985 to 2010 in the Gomti River basin in India using the SWAT model, under review	<i>Current Science</i> 108(12): 2202-2212 C149/6.83		-
31.	Rajesh Kumar Meena, S.S. Parihar, Man Singh and Manoj Khanna	2015	Influence of date of sowing and irrigation regimes on crop growth and yield of wheat ( <i>Triticum aestivum</i> ) and its relationship with temperature in semi-arid region	<i>Indian Journal of Agronomy</i> 60(1): 72-78 I 024/ 5.00		-
31.	Bhattacharyya, R., Das, T.K., Sudhishri, S., Dudhwal, A., Sharma, A.R., Bhatia, A. and Singh, G.	2015	Conservation agriculture effects on soil organic carbon accumulation and crop productivity under a rice-wheat cropping system in the western Indo-Gangetic Plains	<i>European Journal of Agronomy</i> 70:11-21	8.70	-
32.	S. Kumar, S. Dhar, D. Kumar, B. Kumar and R. Meena	2014	Bio fortification of crop residues for animal feeding in maize-wheat cropping system through integrated potassium management	<i>Range Management and Agroforestry</i> 35(2): 220-226	6.06	-





S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
33.	Abedinpour M., A. Sarangi, T.B.S. Rajput and Man Singh	2014	Prediction of maize yield under future water availability scenarios using the aqua crop model	<i>Journal of Agricultural Science: Cambridge, UK</i> 152: 558-574 J 020 / 8.89		-
34.	Bhaduri D., T.J. Purakayastha, A.K. Patra, M. Singh and S. Sarkar	2014	Combined effect of tillage-water-nutrient management under rice-wheat agro-ecosystem: A study on chemical indicators of soil quality	<i>Agrochimica</i> 58(1): 63-76 A 079/ 6.31		-
35.	Sami I.M.N. Gabir. M. Khanna, Man Singh, S.S. Parihar, I. Mani and T.K. Das	2014	Effect of conservation practices and fertilizer onorghum yield under rainfed conditions of northern India	<i>Indian Journal Agronomy</i> 59(2): 301-305 I 024/ 5.00		-
36.	Abeysingha, N.S., Man Singh, Sehgal, V.K., Khanna, M. and Pathak, H.	2014	Analysis of Rainfall and Temperature trends in Gomti River basin	<i>Journal of Agricultural Physics</i> 14(1): 56-66 J 017/3.79		-
37.	Das, T.K., Bhattacharyya, R., Sudhishri, S., Sharma, A.R., Saharawat, Y.S., Bandyopadhyay, K.K., Sepat S., Bana R.S., Aggarwal, P., Sharma, R.K., Bhatia, A., Singh G., Kar, A., Singh, B., Singh, P., Pathak, H., Vyas, A.K. and Jat, M.L.	2014	Conservation agriculture in an irrigated cotton-wheat system of the western Indo-Gangetic Plains: Crop & water productivity and economic profitability	<i>Field Crops Research</i> 158: 24-33	7.7	-
38.	Ravinder Kaur, Khajanchi Lal and K.G. Rosin	2014	Advances in Management and Remediation of Wastewater	<i>Journal of Soil Salinity and Water Quality</i> 6(2): 71-78		-
39.	Sudhishri S., Dass Anchal, Choudhury P.R., Kumar Pramod, Lenka N.K. and Patnaik, U.S.	2014	People's participation and convergence of Institutions in watershed development in eastern ghats of India	<i>Annals of Agricultural Research</i> 35(4)	2.9	-
40.	Sudhishri S., Kumar A., Singh J.K., Dass A. and Nain A.S.	2014	Erosion tolerance index under different land use units for sustainable resource conservation in a Himalayan watershed using remote sensing and geographic information system (GIS)	<i>African Journal of Agricultural Research</i> 9(41): 3098-3110	4.0	-



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41.	Sudhishri Susama and Dass Anchal	2014	Change in climate water balance and agro-climatic situational analysis for crop planning in southern Odisha	<i>Annals of Agricultural Research</i> 35(3): 249-258	2.9	-
42.	Sudhishri, S.	2014	Performance evaluation of daily Weather Generator ClimGen model in a mountainous watershed of Himalayan foothills	<i>Indian Journal of Soil Conservation</i> 42(3): 229-234	4.9	-
43.	Nijamudeen, Man Singh, M. Khanna, B. Singh, R. Singh, R. Pandey and M. Hasan	2013	N and K fertilizer application rate under drip-fertigation for green house grown sweet pepper	<i>Indian J. Hort.</i> 70(1): 54-59	6.11	-
44.	Sanjay T. Satpute, Man Singh, Manoj Khanna, A.K. Singh, A.K. and Ahmad, T.	2013	Response of drip irrigated onion ( <i>Allium cepa</i> L.) crop to irrigation intervals and fertigation strategies	<i>Indian Journal of Horticulture</i> 70(2): 293- 295	6.11	-
45.	Patil, T., Man Singh, Khanna, M., Singh, D.K. and Hasan, M.	2013	Response of lettuce ( <i>Lactuca sativa</i> L.) to trickle irrigation under different irrigation interval, N application rate and crop geometry	<i>Indian J. of Agricultural Economics</i> 68(4): 573-582	5.04	-
46.	Manisha E. Mane, Parihar, S.S. Man Singh, Singh, D.K., Sarangi A. and Chakravarty, B.	2013	Assessment of Rainfall variability in the Central Vidarbha Agroclimatic Region of India	<i>J. of Soil and Water Conserv. India</i> 12(3): 198-206	3.68	-
47.	Patil Tejaswini, Man Singh, Balraj Singh, Manoj Khanna, D.K. Singh, S.S. Parihar and Revender Singh	2013	Seasonal consumptive use, water use efficiency (WUE) and irrigation water use efficiency (IWUE) of Trickle irrigated lettuce ( <i>Lactuca sativa</i> L.) crop	<i>Pusa AgriScience</i> 36: 11-20	2.20	-
48.	Kawle, R., Sudhishri, S. and Singh, J.K.	2013	Prioritization of sub-watersheds for erosion risk assessment: integrated approach of geomorphological and rainfall erosivity indices	<i>Journal of Soil and Water Conservation</i> 12(1): 17-22	4.0	-
49.	Dass, A., Sudhishri, S. and Lenka, N.K.	2013	Integrated nutrient management to improve finger millet productivity and soil conditions in hilly region of eastern India	<i>Journal of Crop Improvement</i> 27(5): 528-546	-	-



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50.	Kaur, R., N.K. Soora, S.K. Bandyopadhyay, R.N. Sahoo, Panda, B.B., R. Raja, L.M. Garnayak and M. Khanna		Mapping floodplain zone in Rushikulya river basin of Ganjam district (Odisha) using HEC-RAS model for early warning	<i>Journal of Flood Risk Management Communicated</i>	-	-
51.	K.G. Rosin, Ravinder Kaur, S.D. Singh, P. Singh and D.S. Dubey	2013	Groundwater vulnerability to contaminated irrigation waters - A case of peri-urban agricultural lands around an industrial district of Haryana, India	<i>Procedia Environmental Sciences</i> vol 18: 200-210 DOI: 10.1016/j.proenv. 2013. 04.026	-	-
52.	Lenka N.K., Mandal D., Lenka S. and Sudhishri S.	2013	Soil loss tolerance limits for different physiographic regions of Odisha	<i>Journal of the Indian Society of Soil Science</i> 61(4): 293-299	4.7	-
53.	Bipin Kumar, Rajvir Sharma and Shashi Bala Singh	2012	Evaluation of harvest residues of cyhalofop-butyl in paddy soil	<i>Bulletin of Environmental Contamination and Toxicology</i> 89(2): 344-347	7.26	-
54.	Abedinpour, M., A Sarangi, T.B.S. Rajput, <u>Man Singh</u> , H. Pathak and T. Ahmad	2012	Performance evaluation of AquaCrop model for maize crop in a semi-arid environment	<i>Agricultural Water Management</i> 110: 55-66	8.33	-
55.	Patil, T., <u>Man Singh</u> , B. Singh, M. Khanna, D.K. Singh and S.S. Parihar	2012	Influence of irrigation interval, nitrogen level and crop geometry on production of trickle irrigated lettuce	<i>Indian J. Hort.</i> 69(3): 360-368	6.11	-
56.	Patil, T., Man Singh, D.K. Singh, M. Khanna and S.S. Parihar	2012	Evaluation of HYDRUS-2D for Simulating Soil Water Distribution in Trickle Irrigated Lettuce Crop	<i>J. Water Management</i> 20(1): 39-50	3.38	-
57.	Satpute, S.T., Man Singh, Khanna, Manoj, Singh, A.K. and Ahmad, T.	2012	Performance Evaluation of onion crop under Drip fertigation	<i>Pusa AgriScience</i> 35: 39-50	2.20	-
58.	Lenka N.K, Choudhury P.R., Sudhishri, S, Dass A. and Patnaik U.S.	2012	Soil aggregation, carbon build up and root zone soil moisture in degraded sloping lands under selected agro-forestry based rehabilitation systems in eastern India	<i>Agriculture, Ecosystems and Environment</i> 150: 54-62	7.8	-
59.	Lenka N.K., Dass Anchal, Sudhishri, S. and Patnaik, U.S	2012	Soil carbon sequestration and erosion control potential of hedge rows and grass filter strips in sloping agricultural lands of eastern India	<i>Agriculture, Ecosystems and Environment</i> 158: 31-40	7.8	-



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60.	Sudhishri, S. and Dass Anchal	2012	Study on the impact and adoption of soil and water conservation technologies in Eastern Ghats of India	<i>Journal of Agricultural Engineering</i> 49(1): 51-59	3.9	-
61.	Dass, A., Singh, A.N., Sudhishri, S. and Chandra, S.	2012	Simulation of maturity duration and productivity of two rice varieties under system of rice intensification using DSSAT v 4.5/CERES-Rice model	<i>Journal of Agrometeorology</i> 14(1): 26-30	6.6	-
62.	A.A. Mustafa, Man Singh, R.N. Sahoo, Nayan Ahmed, Manoj Khanna, A. Sarangi and A.K. Mishra	2011	Mapping of Degraded Lands from Multidate Remotely Sensed Data Using Decision Tree Based Classification (DTC)	<i>Report and Opinion</i> 3 (Issue 11): 33-54		-
63.	Abedininor, M., Sarangi, A., Rajput, T.B.S. and Singh, Man	2011	Nitrogen Use Efficiency and Yield of Maize under Deficit Irrigation	<i>Journal of Agricultural Engineering</i> 48(4): 54-59	4.27	-
64.	Parihar S.S., Man Singh, M. Khanna and A.K. Singh	2011	Effect of Planting Method and Intercropping on the Yield of Maize and Peanut under Limited Water Availability and its Residual Effect on Succeeding Irrigated Wheat	<i>Journal of Water Management</i> 19(1): 63-68	3.38	-
65.	Mustafa, A.A., Man Singh, N. Ahmed, R.N. Sahoo, M. Khanna, A. Sarangi and A.K. Mishra	2011	Characterization and classification of soils of Kheragarah, Agra and their productivity potential	<i>Journal of Water Management</i> 19(1): 1-19	3.38	-
66.	Nafchi, R.A., M. Khanna, Singh, D.K. and Man Singh	2011	Assessment of Groundwater Recharge in Borujen, Faradonbeh and Sefiddasht Plains of South Eastern Iran	<i>Journal of Water Management</i> 19(1): 43-51	3.38	-
67.	Dass Anchal, Sudhishri, S., Lenka, N.K. and Patnaik, U.S.	2011	Runoff capture through vegetative barriers and planting methodologies to reduce erosion, and improve soil moisture, fertility and crop productivity in southern Orissa, India	<i>Nutrient Cycling Agroecosystems</i> 89: 45-57	7.6	-



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68.	Sudhishri, S. and Kumar Akhilesh	2011	Comparison of methodologies for prioritization of sub-watersheds considering techno-social aspects: Development of an integrated new approach	<i>Indian Journal of Soil Conservation</i> 39(1): 80-87	4.6	-
69.	Parihar S.S. M. Khanna, Man Singh and A.K. Singh	2010	Effect of Phosphorus on Soybean and Crop Residue Management, Irrigation Schedule and Nitrogen Level in Succeeding Wheat in Soybean-Wheat Cropping System	<i>Journal of Water Management</i> 18(1&2): 20-24	3.38	-
70.	Man Singh, Parihar S.S. and M. Khanna	2010	Seasonal Water Requirements and Irrigation Scheduling of Groundnut ( <i>Arachis hypogaea</i> L.) Crop under trickle irrigation	<i>Journal of Water Management</i> 18(1&2): 55-59	3.38	-
71.	Dass, Anchal and Sudhishri, S.	2010	Intercropping in finger millet ( <i>Eleusine coracana</i> ) with pulses for enhanced productivity, resource conservation and soil fertility in uplands of southern Orissa	<i>Indian Journal of Agronomy</i> 55(2): 89-94	5.0	-
72.	Jhakar Praveen, Naik, B.S., Berman, D., Hombe H.C.H., Dass, A., Sudhishri, S. and Gore, K.P.	2010	Evaluation of conservation potential of multitier cropping systems in Eastern Ghats highland zone of Orissa	<i>Indian Journal of Soil Conservation</i> 38(3): 188-193	4.6	-
73.	Shirsath, P.B., Satpute, S.T., Singh, A.K., Khanna, M. and Man Singh	2009	EEIS: An Information System for Estimation of Daily Evaporation and Reference Evapotranspiration	<i>J. Water Management</i> 17(2): 92-97	3.38	-
74.	Sivasakthi, S., Man Singh, Chinnusamy, V., Khanna, M. and Parihar, S.S.	2009	Determination of water requirement and irrigation scheduling of groundnut ( <i>Arachis hypogaea</i> L.) crop under trickle irrigation	<i>J. of Water Management</i> 17(2): 118- 125	3.38	-
75.	Dass Anchal, Sudhishri, S. and Lenka N.K.	2009	Integrated nutrient management for upland rice in Eastern Ghats of Orissa	<i>Oryza</i> 46(3): 220-226	4.2	-



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76.	Dass Anchal, Sudhishri S., Patnaik U.S. and Lenka N.K.	2009	Effect of Agronomic Management on Watershed Productivity, Impact Indices, Crop Diversification and Soil Fertility in Eastern Ghats of Orissa	<i>Journal of Soil and Water Conservation</i> 8(3): 34-42	4.0	-
77.	Kaur Ravinder and K.G. Rosin	2009	Ground Water Vulnerability Assessment – Challenges and Opportunities	<i>Bhu-Jal News</i> 24(4): 82-92		
78.	Lenka, N.K., Panda, R.K., Sudhishri, S. and Dass, A.	2009	Comparison of some empirical methods for estimation of ET <sub>0</sub> in high lands of Eastern Ghats of Orissa	<i>Indian Journal of Soil Conservation</i> 37(1): 22-25	4.6	-
79.	Satpute, S.T., Man Singh, Parihar, S.S., Khanna, Manoj, Singh, D.K. and Joshi, S.	2008	Response of Garlic ( <i>Allium Sativum</i> L.) to different crop geometry under micro-irrigation regime	<i>J. of Water Management</i> 16(1): 22-27	3.38	-
80.	Parihar, S.S., Man Singh, Khanna, Manoj and Singh, A.K.	2008	Response of Summer Groundnut ( <i>Arachis hypogaea</i> L.) to Methods of Planting and Irrigation Regimes under Drip Irrigation in Semi Arid Region	<i>J. of Water Management</i> 16(2): 101-105	3.38	-
81.	Dass Anchal, Lenka N.K., Patnaik U.S. and Sudhishri S.	2008	Integrated Nutrient management for production, economics, and soil improvement in winter vegetables	<i>International Journal of vegetable Science</i> 14(2): 104-120	3.10	-
82.	Dass Anchal, Sudhishri S. and Rao B.R.M.	2008	Agro-socioeconomic appraisal for development in Easterghats of Orissa, India	<i>International Journal of Agricultural Science</i> 4(1): 23-32	3.29	-
83.	Dass Anchal and Sudhishri S.	2008	A study of mushroom cultivation and growers in tribal watershed development in Orissa	<i>International Journal of Agricultural Sciences</i> 4(1): 314-320	3.29	-
84.	Sudhishri S., Dass Anchal and Lenka, N.K.	2008	Efficacy of vegetative barriers for rehabilitation of degraded hill slopes in eastern India	<i>Soil and Tillage Research</i> 99: 98-107	8.58	-



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85.	Dass Anchal, Lenka N.K., Patnaik U.S., and Sudhishri S.	2008	Influence of integrated nutrient management on production, economics and soil properties in tomato ( <i>Lycopersicon esculentum</i> ) under on-farm conditions in eastern ghats of Orissa	<i>Indian Journal Agricultural Sciences</i> 78(1): 40-43	6.14	-
86.	Dass Anchal, Sudhishri S. and Patnaik, U.S.	2008	Enhancing viability of tribal agriculture in Koraput-Bolangir-Kalahandi region of Orissa through contract farming	<i>Journal of Soil and water Conservation</i> 6(4): 185-193	4.0	-
87.	Man Singh, Pabbi, S., Bhattacharya, A.K. and Singh, A.K.	2007	Nitrite accumulation in coastal clay soil of India under inadequate drainage	<i>Agricultural Water Management</i> 91: 78-85	8.33	-
88.	Sudhishri, S., A. Dass and N.K. Paikaray	2007	Water balance studies and strategies for combating water deficit in upper Kolab catchment of Orissa	<i>Hydrology Journal</i> 30(3&4): 103-116		-
89.	Sudhishri Susama, Patnaik U.S. and Dass A.	2007	Hydrological study and water resource assessment for watershed based sustainable water management	<i>Indian Journal of Soil Conservation</i> 32(2): 103-107	4.6	-
90.	Sudhishri Susama, Panda R.K., Patnaik U.S, Dass A. and Dash B.K.	2007	Strategies for drought mitigation in eastern region of India	<i>Journal of Soil and Water Conservation</i> 6(2): 81-87	4.0	-
91.	Dass A., Patnaik U.S., Sudhishri S. and Lenka N.K.	2007	Lemon grass ( <i>Cymbopogon citratus</i> ): A vegetative barrier vis-à-vis interaction with crops	<i>Journal of Soil and Water Conservation</i> 6(2): 70-74	4.0	-

### Students Publications

S. No.	Authors	Year	Title	Journal and Volume	NAAS rating	Citation Index
1.	N.S. Abeysingha, Man Singh, Adlul Islam, V.K. Sehgal, Manoj Khanna and Himanshu Pathak	2015	Potential climate change impacts on surface water resources of Gomti River basin in India	<i>Journal of Soil &amp; Water Conservation</i> 14(4): 372-381	3.68	-
2.	Sanjay T. Satpute, Man Singh, Manoj Khanna and D.K. Singh	2015	Modeling of nutrient leaching from crop root zone of onion under drip fertigation	<i>Journal of Agricultural Engineering (ISAE)</i> 52(4): 50-58	4.27	-



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3.	Meena R.K., S.S. Parihar, M. Singh and M. Khanna	2016	Effects of sowing dates and irrigation regimes on grain quality of wheat grown under semi-arid condition of India	<i>Journal of Applied and Natural Science</i> 8(2): 960- 966	5.08	-
4.	Patle, G.T., Singh, D.K., Sarangi, A. and Khanna, M.	2016	Managing CO <sub>2</sub> emission from groundwater pumping for irrigating major crops in trans indo-gangetic plains of India	<i>Climate Change</i> DOI: 10.1007/s10584-016-1624-2	9.43	-
5.	Sunil Kumar, S.S. Parihar, Man Singh, S.L. Jat, Babu Lal Meena, Panch Ram and Hanuman Ram	2016	Conservation agriculture practices and irrigation scheduling affect the energy dynamics in a maize production system	<i>Ecology, Environment and Conservation</i> 22(2): 993-999	5.02	-
6.	Kumar, M., Sarangi, A., Singh, D.K., Rao, A.R. and Sudhishri, S.	2016	Response of wheat cultivars to foliar potassium fertilization under irrigated saline environment	<i>Journal of Applied and Natural Science</i> 8(1): 429-436	5.08	-

## Faculty Profile

### (i) Professors

S. No.	Name	Period
1.	Dr. Man Singh	2012 to till date
2.	Dr. R.K. Sharma	2009 to 2012
3.	Dr. B.R. Yadav	2007 to 2009

### (ii) Heads

S. No.	Name	Period
1.	Dr. Ravinder Kaur	2012 to till date
2.	Dr. T.B.S. Rajput (Acting)	2009 to 2012
3.	Dr. B.R. Yadav (Acting)	9/1/2009 to 28/2/2009
4.	Dr. K.R. Kondal (Acting)	1/11/2007 to 7/1/2009

### (iii) Faculty Members

S. No.	Name of the Faculty	Qualification	Specialization	h-Index	i10-Index
1.	Dr. Man Singh	Ph.D.	Irrigation and Drainage Engineering	10	10





S. No.	Name of the Faculty	Qualification	Specialization	h-Index	i10-Index
2.	Dr. Ravinder Kaur	Ph.D.	Soil and Water conservation		
3.	Dr. Manoj Khanna	BE, M.Tech. and Ph.D.	Irrigation Engineering	7	5
4.	Dr. Susama Sudhishri	Ph.D.	Soil and water conservation, water resource management, Agricultural water management, hydrological modelling, optimization and remote sensing & GIS, watershed management. Conservation agriculture	9	8
5.	Dr. Khajanchi Lal	Ph.D.	Waste Water Management	10	10
6.	Dr. Rajendra Singh	Ph.D.	Soil Chemistry/Microbiology	10	10
7.	Dr. Neeta Dwivedi	Ph.D.	Plant Physiology	9	9
8.	Dr. D.S. Gurjar	Ph.D.	Water Science and Technology	1	1
9.	Mrs. Rosin K.G.	M.Sc.	Soil Science	4	-
10.	Dr. Bipin Kumar	Ph.D.	Agronomy	1	1



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**School of  
Social Sciences**

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# Agricultural Economics

Alka Singh

## Students Awarded Degree

S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
1.	2008	Shinoj P.	India's trade in agricultural commodities with major Asian trading partners: A post-reforms study	Dr. V.C. Mathur	-
2.	2008	Anupama Jeevandas	Irrigation development and water-use efficiency in Punjab agriculture, India	Dr. R.P. Singh	-
3.	2008	Kamble Ankush Lala	Analysis of prices and market integration on onion in Maharashtra	Dr. Amit Kar	-
4.	2008	Shivendra Kumar Srivastava	Groundwater use efficiency and pricing mechanism in Central plain zone of Uttar Pradesh	Dr. Ranjit Kumar	-
5.	2008	Anup Kumar Layek	Livelihood security through Microfinance in Purulia District of West Bengal	Dr. R.P. Singh	-
6.	2008	Anu Susan Sam	A study of futures' markets for agricultural commodities in India	Dr. N.P. Singh	-
7.	2008	Aniruddha Roy	Marketing of jute in West Bengal: A case study of Coochbehar District	Dr. Amit Kar	-
8.	2009	Manik Chandra Pandit	Adoption of resource conserving technologies in Trans-Gangetic plain of India: An economic appraisal	Dr. R.P. Singh	-
9.	2009	Mahantesh N.	Pesticide usage in vegetables in Western Uttar Pradesh: Economic and environmental issues	Dr. Alka Singh	-
10.	2009	Prabhuling S. Tevari	A location model for potato processing in Uttar Pradesh	Dr. B.R. Atteri	-
11.	2009	Raju R.	Export performance and prospects of Indian coffee under liberalization regime: An economic analysis	Dr. B.R. Atteri	-
12.	2009	Viswanatha Reddy K.	An economic appraisal of mango processing plants of Chittoor District in Andhra Pradesh	Dr. Pramod Kumar	-
13.	2009	Ravi Dupdal	Production and marketing of cotton in Karnataka: A case study of Dharwad District	Dr. N.P. Singh	-
14.	2010	R. Geetha	Dynamics, competitiveness and Prospects of Agricultural Trade in India	Dr. V.C. Mathur	-
15.	2010	Kaviarasan, K.	An economic study of flower production in Tamil Nadu	Dr. D.R. Singh	-



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
16.	2010	Jaya Kumara Varadan, R.	An economics analysis of crop insurance in India: A case study of rice farmers in Tamil Nadu	Dr. Pramod Kumar	-
17.	2011	Manjunath. D. Chik Kamath	Consumer demand analysis for major vegetables in India	Dr. B.R. Atteri	-
18.	2011	Sivaramane,N.	An econometric analysis of export supply and import demand of major agricultural commodities of India	Dr. V.C. Mathur	-
19.	2011	S.K. Srivastava	An economic analysis of demand and supply of high value agricultural commodities in India	Dr. V.C. Mathur	-
20.	2011	Aniruddha Roy	Economic analysis of major vegetables in West Bengal	Dr. Amit Kar	-
21.	2011	Kamble A. Lala	Economic growth and convergence of Indian agriculture in pre and post reform period: State-wise analysis.	Dr. Puran Chand	-
22.	2011	Lisa Mariam Varkey	Price risk management and access to finance: A case study of price stabilization fund for rubber growers of Kerala	Dr. Pramod Kumar	-
23.	2011	Subhash Chandra	Linking smallholders to International markets through contract farming: A case study of organic basmati rice in Haryana State of India	Dr. Shiv Kumar	-
24.	2011	Suresh Kumar	An economic analysis of sprinkler irrigation system in Arid zone of Rajasthan	Dr. D.R. Singh	-
25.	2011	Kote Sandip R.	Drip irrigation in sugarcane: An economic analysis in Ahmednagar District of Maharashtra	Dr. Puran Chand	-
26.	2011	Diwas Raj Bisata	Inclusive finance through Kisan Credit Card Scheme in Bihar: Performance & prospects	Dr. Pramod Kumar	-
27.	2012	Biswajit Mondal	Assessing the impact of watershed development programmes in Bundelkhand region of Madhya Pradesh: An institution perspective	Dr. Alka Singh	-
28.	2012	Aarathi L.R.	Economics of compliance with the sanitary and phytosanitary measures in the supply chain of black pepper (Piper nigruml.) in Keraka	Dr. Shiv Kumar	-
29.	2012	Ajesh P.	An analysis of India's trade and price volatility in oilseeds and edible oils	Dr. V.C. Mathur	-
30.	2012	Arun G.	An economic analysis of water users associations in canal irrigated area in Tamil Nadu	Dr. D.R. Singh	-
31.	2012	Praveen K.V.	Food prices and modern retails: The case of Kochi	Dr. Shiv Kumar	-
32.	2013	Vijith Krishnan K.	Group farming approaches for aggregation of small-holder production systems: A case study of kudumbashree in Kerala	Dr. Shiv Kumar	-



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
33.	2013	Anuja A.R.	Economics of natural rubber production and marketing in Kerala	Dr. Amit Kar	-
34.	2013	S.V. Bangara Raju Tatipudi	An economic appraisal of afforestation/ reforestation clean development mechanism programme in Haryana, India	Dr. Pramod Kumar	-
35.	2013	Rakesh Kumar	An economic analysis of migratory sheep production system in Rajasthan	Dr. Dharam Raj Singh	-
36.	2013	Joel N. Deshipanda Muzanima	Trade in livestock products in India: Trends, performance and competitiveness	Dr. B.R. Atteri	-
37.	2013	Sundaramoorthy C.	Analysis of price dynamics and market integration in cotton value chain under different trade regime	Dr. V.C. Mathur	-
38.	2013	Lijo Thomas	Oilseed economy of India: The role of policy trade and technology	Dr. Suresh Pal	-
39.	2013	T. Kingsly Immanuelraj	A study on factor demand, output supply and net income for major cash crops in Maharashtra	Dr. B.R. Atteri	-
40.	2013	Sendhil R.	Efficiency of futures trading in Indian agriculture – An exploratory study	Dr. Amit Kar	-
41.	2014	P. Venkatesh	Intellectual property rights and development of Indian seed industry	Dr. Suresh Pal	-
42.	2014	Siddharth Bhardwaj	The dynamics of food processing industries in India: An economic investigation	Dr. Shiv Kumar	-
43.	2014	Denny Franco	An economic analysis of precision farming in Palakkad district of Kerala	Dr. D.R. Singh	-
44.	2014	Prakash P.	Impact of Kisan Credit Card on farm economy: A case study of Krishnagiri district of Tamil Nadu	Dr. Pramod Kumar	-
45.	2014	Prabhat Kishore	An economic study of groundwater use in irrigated agriculture in Bihar	Dr. I. Sekar	-
46.	2014	Najibullah	Fertilizer consumption and marketing in India: An economic analysis	Dr. V.C. Mathur	-
47.	2014	Mahboob Rahman	Seed delivery and management practices for cereals in Haryana	Dr. Amit Kar	-
48.	2014	Said Idris	An economic analysis of horticultural production and trade in India	Dr. Alka Singh	-
49.	2015	Ankita Kandpal	An analysis of patenting activity in India: Implications for the agriculture sector	Dr. Suresh Pal	-
50.	2015	Vikram Yogi	Comparative economics of conservation versus conventional agricultural practices in Haryana	Dr. Amit Kar	-
51.	2015	Kiran Kumar T.M.	An economic analysis of organic farming in Nasik district of Maharashtra	Dr. D.R. Singh	-
52.	2015	S. Ujwala Rani	Microfinance, women empowerment and effectiveness of targeted rural initiative for poverty termination and infrastructure	Dr. Pramod Kumar	-



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
53.	2015	Utkarsh Tiwari	An economic study of vegetable production and its varietal impact in Haryana	Dr. I. Sekar	-
54.	2015	Birhanu Ayalew Teka	A study of economics of coarse cereals production in India	Dr. I. Sekar	-
55.	2015	Narayan Sharma Rimal	Impact of accelerated pulses production program on supply of pulses in India: An economic investigation	Dr. Shiv Kumar	-
56.	2015	Jayakumara Varadan	Efficacy of weather based crop insurance as an adaption strategy to climate change	Dr. Pramod Kumar	-
57.	2015	M.Vembu	Dynamics of production, consumption and market integration of major pulses in India	Dr. Amit Kar	-
58.	2016	Bhoopesh Punera	Institutional Imperatives for Development of Hi-tech Horticulture: A case of Protected Cultivation in the Hilly Region	Dr. Suresh Pal	-
59.	2016	Rishabh Kumar	An Economic study on Impact of Rainwater Harvesting Structures for Agriculture in Semi-arid Areas of Rajasthan	Dr. I. Sekar	-
60.	2016	Ankhila R. Handral	An Economic Analysis of Production and Productivity in Major Cereal Crops of India	Dr. Alka Singh	-
61.	2016	Rozina Gidey G.	An Economic study of Farm Investment by Rural Household in India	Dr. Alka Singh	-
62.	2016	Jyoti Prakash Sethy	An Economic study of System of Rice Intensification in Bihar	Dr. D.R. Singh	-
63.	2016	Abimanyu Jhahria	Seed Spices Economy of India: A study of Production, Marketing and Price Behaviour	Dr. Amit Kar	-
64.	2016	Kokila Jayaram	A Water Footprint Analysis for Agriculture in India	Dr. Amit Kar	-
65.	2016	Sathish Gowda C.S.	Impact of National Horticulture Mission (NHM) on Horticultural Economy of Karnataka	Dr. Amit Kar	-
66.	2016	Harish Kumar K.	Marketing and Price Behaviour of and Impact of Market reforms on Horticultural Commodities in Karnataka	Dr. Amit Kar	-
67.	2016	Lisa Mariam Varkey	Investment and Policy Imperatives for sustainable development of Kuttanad wetland ecosystem (KWE) of Kerala	Dr. Pramod Kumar	-

### Foreign Students Awarded Degree

S. No.	Year	Name of the Foreign Student	Thesis Title	Chairperson	Country
1.	2010	Diwas Raj Bista	Inclusive finance through Kisan Credit Card Scheme in Bihar: Performance & Prospects	Dr. Pramod Kumar	Nepal
2.	2012	Joel Ndeshipanda Muzanima	Trade in livestock products in India: Trends, performance and competitiveness	Dr. B.R. Atteri	Namibia





S. No.	Year	Name of the Foreign Student	Thesis Title	Chairperson	Country
3.	2013	Najibullah	Fertiliser consumption and marketing in India: An economic analysis	Dr. V.C. Mathur	Afghanistan
4.	2013	Mahboob Rahman	Seed delivery and management practices for cereals in Haryana	Dr. Amit Kar	Afghanistan
5.	2013	Said Idris	An economic analysis of horticultural production and trade in India	Dr. Alka Singh	Afghanistan
6.	2014	Birhanu Ayalew Teka	A study of economics of coarse cereals production in India	Dr. I. Sekar	Ethiopia
7.	2014	Narayan Sharma Rimal	Impact of accelerated pulses production program on supply of pulses in India: An economic investigation	Dr. Shiv Kumar	Nepal
8.	2015	Rozina Gidey Gebremariam	An economic study of farm investment by rural household in India	Dr. Alka Singh	Ethiopia
9.	2015	Emal	Economics of contract farming: A case study of Basmati rice in Western Uttar Pradesh	Dr. Amit Kar	Afghanistan

### Training Courses/Winter/Summer School/Workshop Organized

S. No.	Year	Title of Training Programme	Number of Trainees	Name (s) of the Course Director and Co-ordinators
1.	2008	Advances in Agricultural and food marketing	13	Dr. V.C. Mathur Dr. B.R. Atteri
2.	2009	Sustainable Agricultural development for food security	17	Dr. V.C. Mathur Dr. Alka Singh Dr. I. Sekar
3.	2010	Climate change, environmental sustainability and agricultural development	14	Dr. Suresh Pal Dr. Amit Kar Dr. I. Sekar Ms. Geeta Bisaria
4.	2011	Institutional change for inclusive agricultural growth	18	Dr. Suresh Pal Dr. V.P. Tyagi Dr. P. Anbukani
5.	2011	Agricultural growth, diversification and food security	13	Dr. Suresh Pal Dr. G.K. Jha Dr. Pramod Kumar
6.	2012	Agricultural research planning and impact assessment	25	Dr. Suresh Pal Dr. V.P. Tyagi Dr. I. Sekar
7.	2014	Markets, trade and institutions for agricultural development	22	Dr. D.R. Singh Dr. P. Venkatesh
8.	2014	Innovations and agri-business for inclusive agricultural growth	17	Dr. Alka Singh Dr. A.A. Reddy Dr. Suresh A.



S. No.	Year	Title of Training Programme	Number of Trainees	Name (s) of the Course Director and Co-ordinators
9.	2015	Quantitative techniques for policy analysis in Agricultural Economics	25	Dr. Amit Kar Dr. G.K. Jha Mrs. Nithyashree M.L. Mr. Praveen K.V.
10.	2016	Impact assessment of agricultural technology	25	Dr. Pramod Kumar Dr. D.R. Singh Dr. P. Venkatesh Dr. P. Anbukani

### Training Received by the Faculty Members

S. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
1.	2007	Dr. Puran Chand	National conference on Emerging platforms for agricultural marketing	20-21.9.2007	FICCI and Ministry Agriculture
2.	2007	Dr. B.R. Atteri	National conference on Emerging platforms for agricultural marketing	20-21.9.2007	FICCI and Ministry Agriculture
3.	2008	Dr. B.R. Atteri	International conference on commodities futures market: Riding the growth phase	22.1.2008	ASSOCHEM
4.	2008	Dr. V.P. Tyagi	International conference on commodities futures market: Riding the growth phase	22.1.2008	ASSOCHEM
5.	2008	Dr. N.P. Singh	National workshop on Impact assessment of new agricultural technologies	30-31.1.2008	NCAP, New Delhi
6.	2008	Dr. Alka Singh	National workshop on Impact assessment of new agricultural technologies	30-31.1.2008	NCAP, New Delhi
7.	2009	Dr. Suresh Pal	Food and Agri exporters conclave	Sept. 2009	ASSOCHEM
8.	2009	Dr. Alka Singh	Food and Agri exporters conclave	Sept. 2009	ASSOCHEM
9.	2009	Dr. V.C. Mathur	International conference on Horticulture 2009	Nov. 2009	Bangalore
10.	2010	Dr. Puran Chand	27 <sup>th</sup> Annual conference of Haryana Economic Association	19-20.3.2010	Ch. Devi Lal Uni., Sirsa, Haryana
11.	2011	Dr. Alka Singh	Economics policy research under NAIP project "Policy and institutional options for inclusive agricultural growth"	1.6.2011 to 30.6.2011	USA
12.	2011	Dr. Amit Kar	Farmers' participation in high value markets under NAIP project "Policy and institutional options for inclusive agricultural growth"	14.6.2011 to 14.7.2011	USA
13.	2012	Dr. Suresh Pal	Advisory committee of Agricultural Science and technology indicators programme of CGAIR	10.9.2012 to 15.9.2012	USA



S. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
14.	2013	Dr. Suresh Pal	Outscaling agricultural innovations	3-5.9.2013	ICAR/TAAS, New Delhi
15.	2013	Dr. Praveen K.V.	Quantitative methods for policy analysis using GAMS	18-22.11.2013	NCAP, New Delhi
16.	2013	Dr. Inbasekar	Project management system	27-28.9.2013	LBS Bldg., IARI
17.	2013	Dr. P. Venkatesh	ICT for capacity building in agricultural education	26-27.7.2013	CAFT, IASRI, New Delhi
18.	2013	Dr. D.R. Singh	Advances in methodological paradigm and tools in extension research	17.9.2013 to 7.10.2013	Extension Division, IARI, New Delhi
19.	2014	Dr. D.R. Singh	Innovation in Indian agriculture	4-5.12.2014	IEG, New Delhi
20.	2014	Dr. Suresh A.	Climate change and agricultural policy analysis	6.12.2013 to 5.3.2014	Cornell Uni., USA
20.	2014	Dr. P. Venkatesh	Leveraging institutional innovations for agricultural development	18-20.11.2014	University of Agricultural Sciences, Dharwad
21.	2014	Dr. Suresh A.	Training in the area of Policy analysis/ climate change (Social sciences)	7.12.2013 to 6.3.2014	USA
22.	2014	Dr. Amit Kar	Drought and index insurance to reduce house vulnerability to drought	9.12.2014	NCAP, New Delhi
23.	2015	Dr. Alka Singh	Conference on 75 <sup>th</sup> year platinum jubilee celebration of Indian Society of Agricultural Economics (ISAE)	19-21.11.2015	Pubjab Agricultural University
24.	2015	Dr. Suresh A.	Conference 23 <sup>rd</sup> annual conference of Agricultural Economics Research Association	2-4.12.2015	CIFE, Mumbai
25.	2016	Dr. Aditya K.S.	Conference Current issues in rural livelihood	5.3.2016	Centre for Social Inclusion and Bankura Chirstian College, West Bengal

### Awards Conferred on the Faculty Members

S. No.	Year	Name of the Faculty Member	Name of Award Received	Institution which gave the Award
1	2007-08	Dr. G.K. Jha	BOYSCAST Fellowship	DST, GOI, New Delhi
2.	2009-10	Dr. Pramod Kumar	Dr. D.K. Desai Award	Indian Society of Agricultural Economics, Mumbai
3.	2010-11	Dr. Alka Singh	Best Teacher Award	IARI, New Delhi
4.	2013-14	Dr. V.C. Mathur	Best Teacher Award	IARI, New Delhi
5.	2013-14	Dr. Amit Kar	Dr. R.T. Doshi Award	Agricultural Economics Research Association, New Delhi
6.	2014-15	Dr. V.C. Mathur	Emeritus Scientist Award	ICAR, New Delhi
7.	2014-15	Dr. P.S. Birthal	NAAS Recognition Award	NAAS, New Delhi



S. No.	Year	Name of the Faculty Member	Name of Award Received	Institution which gave the Award
8.	2014-15	Dr. P. Venkatesh	Dr. R.T. Doshi Foundation award	Agricultural Economics Research Association, New Delhi
9.	2014-15	Dr. G.K. Jha	Distinguished Scientist Award	Society for Scientist Development in Agriculture & Technology
10.	2015-16	Dr. Alka Singh	Dr. N.A. Majumdar Award	Indian Society of Agricultural Economics, Mumbai
11.	2015-16	Dr. A.A. Reddy	Bursary Award	International Initiative for Impact Evaluation, New Delhi
12.	2015-16	Dr. A.A. Reddy	Travel Grant Award	Indian Council of Social Science Research, New Delhi
13.	2015-16	Dr. G.K. Jha	Dr. N.A. Majumdar Award	Indian Society of Agricultural Economics, Mumbai
14.	2015-16	Dr. Suresh A.	Dr. D.K. Desai Award	Indian Society of Agricultural Economics, Mumbai

#### Faculty Participation in International Conference/Seminar/Assignments

S. No.	Year	Name of the Faculty Member	Name of International Conference/Seminar/Assignments	Duration	Place Visited
1.	2008-09	Dr. Suresh Pal	Workshop on Environmental Impact of CGIAR Research	20.6.2009 to 24.6.2009	Rome
2.	2008-09	Dr. Amit Kar	UGC's Sponsored Commonwealth Academic Staff Fellowship	1.10.2008 to 31.3.2009	U.K.
3.	2009-10	Dr. Suresh Pal	USDA Borlaug Fellowship programme	15.9.2009 to 15.10.2009	Washington
4.	2010-11	Dr. Suresh Pal	Workshop on measuring and analyzing agricultural R&D investments and capacity trends in South Asia	29.4.2010 to 30.4.2010	Bangkok
5.	2010-11	Dr. I. Sekar	Workshop on Impact assessment of agricultural research	31.5.2010 to 4.6.2010	Turkey
6.	2011-12	Dr. Suresh Pal	Conference on "Agriculture R&D – investing in Africa's future"	5.12.2011 to 9.12.2011	Ghana
7.	2013-14	Dr. Suresh Pal	International workshop	6.5.2013 to 7.5.2013	Cambodia
8.	2013-14	Dr. Suresh Pal	International conference on Agricultural transforming in Asia: Policy options for food & Nutrition security	25.9.2013 to 27.9.2013	Cambodia
9.	2015-16	Dr. Alka Singh	Workshop on Socio-economic methodology	20.4.2015 to 21.4.2015	Switzerland
10.	2015-16	Dr. A.A. Reddy	4 <sup>th</sup> Regulating for Decent work conference	8.7.2015 to 13.7.2015	Switzerland
11.	2015-16	Dr. P. Venkatesh	Joint annual meeting of AAEA & WAEA	27.7.2015 to 29.7.2015	USA



S. No.	Year	Name of the Faculty Member	Name of International Conference/Seminar/ Assignments	Duration	Place Visited
12.	2015-16	Dr. G.K. Jha	29 <sup>th</sup> Triennial international con.	9.8.2015 to 14.8.2015	Italy
13.	2015-16	Dr. Suresh A.	29 <sup>th</sup> Triennial international con.	9.8.2015 to 14.8.2015	Italy

### Faculty Awards and Recognition

S. No.	Year	Name of the Faculty Member	Name of the Organisation/Society Conferring Award	Nature/Description of Award
1.	2009-10	Dr. Suresh Pal	Indian Society of Agricultural Economics, Mumbai	Elected as member of the Research Programme Committee
2.	2010-11	Dr. V.C. Mathur	Agricultural Economics Research Association (India)	Nominated as Joint Secretary
3.	2011-12	Dr. Suresh Pal	Indian Society of Agricultural Economics, Mumbai	Re-elected as member of the Research Programme Committee
4.	2012-13	Dr. Suresh Pal	AERA, India	Elected as Secretary
5.	2012-13	Dr. V.C. Mathur	AERA, India	Elected as Treasurer
6.	2013-14	Dr. Suresh Pal	Agricultural Economics Research Association (India)	Elected as Secretary
7.	2013-14	Dr. Pramod Kumar	Annals of Agricultural Sciences	Served as Editor
8.	2013-14	Dr. A.A. Reddy	Journal of Food Legumes	Elected as Editorial Board member
9.	2014-15	Dr. Suresh Pal	Agricultural Economics Research Association (India)	Elected as Vice-President
10.	2014-15	Dr. Suresh Pal	NABARD, Mumbai	Elected as Member, Expert Committee for Research
11.	2015-16	Dr. G.K. Jha	Agricultural Economics Research Review, New Delhi	Member, Editorial Board
12.	2015-16	Dr. P. Venkatesh	China Agricultural Economic Review, New Delhi	Highly Commended paper in 2016 published in the journal

### List of Publications Faculty and Students

S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
1.	Sekar, I. and Randhir, T.O.	2007	Policies for Sustaining Groundwater Resources in India. International Water Resources Association	<i>Water International</i> 32(5): 686-698	6.83	-
2.	Sekar, I. and Randhir, T.O.	2007	Spatial assessment of conjunctive water harvesting potential in watershed systems	<i>Journal of Hydrology</i> 334(1-2): 39-52	9.05	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
3.	Bhakar, R., K.N.S. Banafar, N.P. Singh and A.K. Gauraha	2007	Income and employment pattern in rural areas of Chattisgarh: A micro view	<i>Agricultural Economics Research Review</i> (2): 395-406	5.68	-
4.	Kumar, Anjani, Steven J. Staal, N.P. Singh and Dhiraj K. Singh	2007	Livestock sector trade of India: Surging momentum in the new liberalised regime	<i>Indian Journal of Agricultural Economics</i> 62(2): 395-410	5.04	-
5.	Kumar, Shiv, Devender, Kavita Chakravarty, Puran Chand and J.P.S. Dabas	2007	Mode of operation and performance of contract farming of cottonseed in Haryana	<i>Agricultural Economics Research Review</i> 20(1): 9-116	5.68	-
6.	Kumari, Jyoti, R.N. Gadag and G.K. Jha	2007	Genetic analysis and correlation in sweet corn ( <i>Zea mays</i> ) for quality traits, field emergence and grain yield	<i>Indian Journal of Agricultural Science</i> 77(9): 613-615	6.14	-
7.	Singh, Alka, Ranjit Kumar, P.K. Jain and A.K. Mangal	2007	An economic evaluation of environmental risk of pesticides use: A case study of paddy, vegetables and cotton in irrigated ecosystem	<i>Indian Journal of Agricultural Economics</i> 62(3): 492-502	5.04	-
8.	Singh, N.P., Parmatma Singh and R.P. Singh	2007	Sugar industry in Uttar Pradesh: Efficiency still holds the key	<i>Agricultural Economics Research Review</i> 20(1): 157-170	5.68	-
9.	Singh, N.P., Parmatma Singh and Suresh Pal	2007	Estimation of economic efficiency of sugar industry in Uttar Pradesh: A frontier production approach	<i>Indian Journal of Agricultural Economics</i> 62(2): 232-243	5.04	-
10.	Kumar, Pramod, P.S. Mandal, N.P. Singh and R.P. Singh	2008	Tea industry in India: Problems and prospects	<i>Indian Journal of Agri. Economics</i> 63(1): 84-96	5.68	-
11.	Reddy, Vishwanatha and Pramod Kumar	2008	An economic appraisal of mango processing plants in Chittoor district of Andhra Pradesh	<i>Indian Journal of Agricultural Economics</i>	5.04	-
12.	Shinoj, P. and V.C. Mathur	2008	Comparative advantage of India in agricultural exports with respect to Asia: A post-reforms analysis	<i>Agricultural Economics Research Review</i> 21(1): 60-66	5.68	-
13.	Singh, Alka, A.K. Vasisht, Ranjit Kumar and D.K. Das	2008	Adoption of integrated pest management practices in paddy and cotton – A case study of Haryana and Punjab	<i>Agricultural Economics Research Review</i> 21(2): 221-226	5.68	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
14.	Singh, Mahendra and V.C. Mathur	2008	Structural changes in the horticultural sector in India: Retrospect and prospects for 11 <sup>th</sup> Five year plan	<i>Indian Journal of Agricultural Economics</i> 63(1): 332-348	5.04	-
15.	Suresh Pal and Harbir Singh	2009	Delivering seeds of potato and groundnut in India	<i>Outlook on Agriculture</i> 38(4): 375-382	6.48	-
16.	Singh, M. and Puran Chand	2009	Synergy and Trade-off between Urbanization and Agricultural Development in Delhi: A Policy Perspective	<i>Indian Journal of Agricultural Economics</i> 64(3): 473-74	5.04	-
17.	Pramod Kumar, P.S. Badal, N.P. Singh and R.P. Singh	2008	Tea Industry in India: Problems and Prospects	<i>Indian Journal of Agricultural Economics</i> 63(1): 84-96	5.04	-
18.	Sekar, I., McGarigal, K., Finn, J.T., Ryan, R. and Randhir, T.O.,	2009	Water Quality Response to Economic Development: Quantifying Environmental Kuznets Curve	<i>Indian Journal of Agricultural Economics</i> 64(1): 73-88	5.04	-
19.	R.P. Singh, C.K.Beura, A.S. Mahapatra, H.V.L. Bathla, G.K. Jha, P.K. Singh and D. Kumar	2009	Assessment of quantitative losses of eggs between farm and household consumer	<i>Indian Journal of Poultry Science</i> 44(2): 239-242	5.01	-
20.	Sekar, I.	2009	Conjunctive Water Productivity and Water Transaction in Tank Irrigation Rice Cropping System	<i>Agricultural Situation in India</i> (6): 429-436	2.76	-
21.	Mahantesh, N. and Alka Singh	2009	A study on farmers' knowledge, perception and intensity of pesticide use in vegetable cultivation in Western Uttar Pradesh	<i>Pusa AgriScience</i> 32: 63-69	2.20	-
22.	A. Thavaneswaran and Girish K. Jha	2009	A Black-Scholes model with fuzzy volatility	<i>Journal of Statistical Theory and Application</i> 8(4): 448-463	-	-
23.	Shinoj, P. and V.C. Mathur	2009	India's Potential for Agricultural Trade in Asia: A Gravity Model Approach	<i>The Asian Economic Review</i> 51(3): 475-486	-	-
24.	H. Tanveer, P.R. Choudhury, G.P. Dixit and G.K. Jha	2010	Detection of Molecular Divergence and Development of DNA Fingerprints in Fieldpea Cultivars using Polymorphic DNA Markers	<i>Indian Journal of Genetics and Plant Breeding</i> 70(2): 132-139	6.19	-
25.	Srivastava, S.K., N. Sivaramane and V.C. Mathur	2010	Diagnosis of Pulses Performance of India	<i>Agricultural Economics Research Review</i> 23(1): 137-148	5.68	-



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26.	Vishwanatha Reddy K. and Pramod Kumar	2010	An Economic Appraisal of Mango Processing Plants of Chittoor District in Andhra Pradesh	<i>Indian Journal of Agricultural Economics</i> 65(2): 277-297	5.04	-
27.	Sekar, I.	2009	Risk and Sources of Output Variability in Rice Crop in North-east India	<i>Agricultural Situation in India</i> (8): 491-495 Issue in 2010	2.76	-
28.	Singh, M. and Puran Chand	2011	Economic Efficiency of Rice ( <i>Oryza sativa</i> ) Cultivation in Northern Urban India	<i>Indian Journal of Agricultural Science</i> 81(7): 657-8	6.14	-
29.	N.P. Singh, R.P. Singh, Ranjit Kumar, R.N. Padaria, Alka Singh and Nisha Varghese	2011	Labour Migration in Indo-Gangetic Plains: Determinants and Impacts on Socio-economic Welfare	<i>Agricultural Economics Research Review</i> 24: 449-458	5.68	-
30.	A. Thavaneswaran and G. K. Jha	2011	Possibility Theory with an Application to Volatility Estimation	<i>Journal of the Indian Society of Agricultural Statistics</i>	5.50	-
31.	N.P. Singh, R.P. Singh, Ranjit Kumar, R.N. Padaria, Alka Singh and Nisha Varghese	2011	Farm Level Impacts and Determinants of Labour Outmigration in Indo-Gangetic Plains of India	<i>Indian Journal of Agricultural Economics</i> 66(1): 127-138	5.04	-
32.	Suresh Pal	2011	Impact of CGIAR Crop Improvement and Natural Resources Management Res.: A Review of Evidence	<i>Agricultural Economic Research Review</i> 24(2): 185-198	4.7	-
33.	Suresh Pal	2011	Repotier Report on Agricultural Development, Perspective and Strategic Planning for the Twelfth Five Year Plan	<i>Indian Journal of Agricultural Economics</i> 66(3): 543-553	4.6	-
34.	Alka Singh	2011	The changing landscape of public expenditure and investments in Indian agriculture: Implications on growth trajectory	<i>Indian Journal of Agricultural Economics</i> , Conference number 66(3): 301-313	4.6	-
35.	A. Thavaneswaran and G.K. Jha	2011	Possibility Theory with an Application to Volatility Estimation	<i>Journal of the Indian Society of Agricultural Statistics</i> 65(3): 267-274	4.1	-
36.	S.K. Wani, S.K. Jha, A. Singh, R. Shrivastava, G.K. Jha and J.P. Singh	2011	Effect of pre-milling treatment on green gram dhal recovery	<i>Journal of Agricultural Engineering</i> 48(4): 24-29	3.9	-





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37.	A. Mukherjee1, R. Bahal, R.R. Burman, S.K. Dubey and G.K. Jha	2011	Effectiveness of <i>Tata Kisan Sansar</i> in technology advisory and delivery services in Uttar Pradesh	<i>Indian Research Journal of Extension Education</i> 11(3): 8-13	3.5	-
38.	G.K. Jha, N. Sivaramne, R.N. Padaria, N.P. Singh and Ranjit Kumar	2011	Identifying the determinants of poverty in rural and urban India	<i>Indian Journal of Extension Education</i> 47(2): 75-79	3.4	-
39.	Singh, Mahendra and Mathur, V.C.	2011	Performance and Prospects of India's Marine Products Exports: A Post-reforms Analysis	<i>Journal of Agricultural Development and Policy</i> 21 (1): 21-30	3.27	-
40.	Singh, Mahendra and Mathur, V.C.	2011	Tradeoffs and Synergies between Food and Cash Cropping in Indian Agriculture: Food Security Perspective	<i>Journal of Agricultural Development and Policy</i> 21(2): 61-71	3.27	-
41.	Srivastava, S.K. and Mathur, V.C.	2011	Spatial and Temporal Consumption and Production Pattern of Pulses in India	<i>Pusa AgriScience</i> 34: 79-86	2.20	-
42.	Johnson, B., Vijayaragavan, Singh, Premlata, Mathur, V.C. Jaggi, Seema and Sharma, D.K.	2011	Innovation and Local Adaptations in Adoption of System of Rice Intensification	<i>Pusa AgriScience</i> 34: 87-95	2.20	-
43.	Sivaramane, N. and Mathur, V.C.	2011	Structural Changes in the Exports of Coffee and Tea from India	<i>Pusa AgriScience</i> 34: 108-102	2.20	-
44.	Teklehaimanot, Abadi, Bahal, Ram, Mathur, V.C., Vijayaragavan, K., Mahajan, V.K. and Padaria, R.N.	2011	Determinants of Agricultural Marketing Cooperative Societies in India	<i>Pusa AgriScience</i> 34: 113-120	2.20	-
45.	Geeta Bisaria, Gyan Prakash Singh, Ambukani P. and Shaloo	2011	Degree of Eminence and View of Landscape of Peri-urban Agriculture: A Case Study of Delhi	<i>The Journal of Rural and Agricultural Research</i> 2 (2): 1-5	1.71	-
46.	G.K. Jha and K. Sinha	2012	Time-delay neural networks for time series prediction: An application to the monthly wholesale price of oilseeds in India	<i>Neural Computing and Applications</i> DOI: 10.1007/s00521-012-1264	7.57	-
47.	Sangeetha, Ram Bahal, Premlata Singh and P. Venkatesh	2013	Impact of NGO-led self-help groups on the empowerment of rural women – experiences from South India	<i>Outlook on Agriculture</i> 42(1): 59-63	7.0	-



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48.	R.S. Tomar, Vinod, S.M.S. Tomar, S.V. Sai Prasad, K. Bhojaraja Naik, G.K. Jha, N.K. Singh and Suresh Chand	2012	Development of mapping populations and their characterization for drought tolerance in wheat	<i>Indian Journal of Genetics and Plant Breeding</i> 72(2): 195-207	6.9	-
49.	Singh, Alka and Sandeep Kumar	2012	Trends in Public and Private Investments in Agricultural R&D : Implications for Growth	<i>Asian Biotechnology and Development Review</i> 14(2): 93-103	6.66	-
50.	N.A. Shakil, J. Kumar, J.C. Padaria, M.K. Singh, L. Shukla and G.K. Jha	2012	Antibacterial activities of essential oils from aromatic and medicinal plants and their constituents against growth of phytopathogenic bacteria, <i>Xanthomonas</i> species	<i>Annals of Plant Protection Sciences</i> 20(1): 42-46	6.65	-
51.	Lenin Venu, Baldeo Singh, Pramod Kumar and K. Vijayaragavan	2013	Agricultural extension in India – the effectiveness of the Agricultural Technology Management Agency	<i>Outlook on Agriculture</i> 42(1): 60-73	6.48	-
52.	Jha G.K., Suresh Pal and A. Singh	2012	Changing energy use pattern and the demand projection for Indian agriculture	<i>Agricultural Economics Research Review</i> 25(1): 61-68	5.68	-
53.	Mondal, Biswajit, Alka Singh and Girish Kumar Jha	2012	Impact of Watershed Development Programmes on Farm Specific Technical Efficiency : A study of Bundelkhand Region of Madhya Pradesh	<i>Agricultural Economics Research Review</i> 25(2): 299-308	5.68	-
54.	Pal, Suresh	2012	Agricultural development perspective and strategy planning for the twelfth Plan	<i>Indian Journal of Agricultural Economics</i> 67(1): 97-103	5.04	-
55.	Anuja, A.R., Kar, Amit, Mathur, V.C. and Jha, Girish K.	2012	Input Delivery, Processing, and Marketing of Natural Rubber: The Role of Producers' Cooperatives in Kerala	<i>Agricultural Economics Research Review</i> 25: 379-386	4.7	-
56.	Diwas Raj Bista, Pramod Kumar and V.C. Mathur	2012	Progress and Performance of Kisan Credit Card Scheme in Bihar	<i>Agri. Economics Research Review</i> 25(1): 125-135	5.68	-
57.	R. Jayakumara Varadan and Pramod Kumar	2012	Impact of Crop Insurance on Rice Farming in Tamil Nadu	<i>Agricultural Economics Research Review</i> 25(2): 291-298	5.68	-
58.	G.K. Jha, Rupa K. Thulasiram and A. Thavaneswaran	2012	Applications of possibility theory in finance	<i>International Journal of Agricultural and Statistical Sciences</i> 8(1): 79-95	4.00	-



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59.	V. Sangeetha, Premlata Singh and P. Venkatesh	2012	Behavioral change of self help group members –An effort by Non- Governmental Organization	<i>Madras Agricultural Journal</i> 99(10-12): 862-886	3.98	-
60.	P. Venkatesh, V. Sangeetha, C. Sundaramoorthy, R. Sendhil, and Lijo Thomas	2012	A Study on Economics of Milk Products in Madurai District of Tamil Nadu	<i>Bioinfolet.</i> 9(3): 298	3.75	-
61.	V. Sangeetha, S.V. Prasad and P. Venkatesh	2012	A study on problems encountered by cotton growers	<i>Bioinfolet.</i> 9(2): 150-151	3.75	-
62.	Mukherjee1, R. Bahal, R.R. Burman, S.K. Dubey and G.K. Jha	2012	Conceptual convergence of pluralistic extension at Aligarh District of Uttar Pradesh	<i>Journal of Community Mobilization and Sustainable Development</i> 7(1): 85-94	3.46	-
63.	Sundaramoorthy, C., Jha, G.K., Kar, Amit and Mathur, V.C.	2012	The Extent and Pattern of Spatial Market Integration of Cotton in India	<i>International Conference on Statistics and Informatics, Abstracts</i> CP14.06: 127	-	-
64.	Sendhil, R., Kar, Amit, Mathur, V.C. and Jha, G.K.	2012	"Wheat Futures in India: Testing the Market Efficiency through Cointegration and Error Correction Models"	<i>International conference on Statistics and Informatics, Abstracts, CP14.08: 129</i>	-	-
65.	Pramod Kumar, T.S.V. Bangara Raju, R. Jayakumara Varadan and V.P. Tyagi	2012	Regional Disparity in Performance of Microfinance in India: Policy Imperatives	<i>International Journal of Agricultural Sciences</i>	-	-
66.	Das T.K., Ranjan Bhattacharya, S. Sudhishria, A.R. Sharma, S.P. Datta, A. Kar, Billu Singh, Parmender Singh, H. Pathak, A.K. Vyas and M.L. Jat	2013	"Conservation agriculture in an irrigated cotton–wheat system of the western Indo-Gangetic Plains: Crop and water productivity and economic profitability	<i>Field Crop Research</i> 158: 24-33	8.98	-
67.	Reddy, A.A.	2013	Strategies for reducing mismatch between demand and supply of grain legumes	<i>Indian Journal of Agricultural Sciences</i> 83(3): 243-59	6.18	-
68.	Anuja A.R., Amit Kar and Jha G.K.	2013	Price dynamics and market integration of natural rubber under major trade regimes of India and abroad	<i>Indian Journal of Agricultural Sciences</i> 83(5): 555-60	6.14	-
69.	Jalgaonkar K.R., S.K. Jha, R.K. Pal, G.K. Jha, and D.V.K. Samuel	2013	Effect of species and particle size on essential oil yield of citrus peel ( <i>Citrus</i> spp.)	<i>Indian Journal of Agricultural Sciences</i> 83(12): 1285-88	6.14	-



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70.	Suresh A., P. Ramasundaram, Josily Samuel and Shwetal Wankhade	2013	Impact of technology and policy on growth and instability of agricultural production: The case of cotton in India	<i>Indian Journal of Agricultural Sciences</i> 83(9): 939-48	-	-
71.	Kumar, Shiv, Rakesh Kumar, D.R. Singh, Anil Kumar, Prawin Arya and K.R. Chaudhary	2013	Equity, Efficiency and Profitability of migratory sheep production system in Rajasthan	<i>Indian Journal of Animal Sciences</i> 83(9): 976-982	6.13	-
72.	Mondal, Biswajit; Alka Singh; S.D. Singh; Mukesh Kumar Sinha and D. Suresh Kumar	2013	Decomposition of productivity growth in watersheds: A study in Bundelkhand region of Madhya Pradesh, India	<i>Scientific Research and Essays</i> (8)48: 2312-2317	6.1	-
73.	Venkatesh P.	2013	Recent Trends in Rural Employment and Wages in India: Has the Growth Benefitted the Agricultural Labours	<i>Agricultural Economics Research Review</i> 26: 13-20	5.68	-
74.	Sendhil R., A. Kar, V.C. Mathur and G.K. Jha	2013	Price discovery, transmission and volatility: Evidence from agricultural commodity futures	<i>Agricultural Economics Research Review</i> 26(1): 41-54	5.68	-
75.	Jha G.K.	2013	Energy growth linkage and strategy for meeting the energy demand in Indian agriculture	<i>Agricultural Economics Research Review</i> 26(Conf.): 119-127	5.68	-
76.	Thomas, L., G.K. Jha, and Suresh Pal	2013	External market linkages and instability in India edible economy: implications for self-sufficiency policy for edible oils	<i>Agricultural Economics Research Review</i> 26(2): 185-198	5.68	-
77.	Nithyashree, M.L. and Suresh Pal	2013	Regional Pattern of Agricultural Growth and Rural Employment in India: Have Small Farmers Benefitted?	<i>Agricultural Economics Research Review</i> 26: 1-1	5.68	-
78.	Jha G.K. and K. Sinha	2013	Agricultural price forecasting using neural network model: An innovative information delivery system	<i>Agricultural Economics Research Review</i> 26(2): 229-239	5.68	-
79.	Suresh A.	2013	Technical change and efficiency in rice production in India: A Malmquist Total Factor Productivity Approach	<i>Agricultural Economics Research Review</i> 26: 109-118	5.68	-



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80.	Reddy G.P., Usha Rani, Y.E. Prasad and A. Amarendra Reddy	2013	Competitiveness of major crops in post-WTO period in Andhra Pradesh	<i>Indian Journal of Agricultural Economics</i>	5.04	-
81.	Kumar, Shiv; Subhash Chandra, D.R. Singh, and K.R. Chaudhary	2013	Contractual Arrangements and Enforcement in India: A Case of Organic Basmati Paddy Farming	<i>Indian Journal of Agricultural Economics</i> 68(3): 449-456	5.04	-
82.	Mondal, Biswajit, Alka Singh and I. Sekar	2013	Dimensions and determinants of people's participation in watershed development programmes in Bundelkhand region of Madhya Pradesh: An econometric analysis	<i>Indian Journal of Soil Conservation</i> 41(2): 177-184	4.90	-
83.	Kishore Avinash, K.V. Praveen and Devesh Roy	2013	Direct Cash Transfer System for Fertilisers: Why It Might be Hard to Implement	<i>Economic and Political Weekly</i> 48(52): 54-63	4.66	-
84.	Kale S.J., S.K. Jha, G.K. Jha and D.V.K. Samuel	2013	Evaluation and modeling of water absorption characteristics of paddy	<i>Journal of Agricultural Engineering</i> 50(3): 29-38	4.27	-
85.	Venkatesh P. and Suresh Pal	2013	Determinants and Valuation of Plant Variety Protection in India	<i>Journal of Intellectual Property Rights</i> 18: 448-456	4.00	-
86.	Srivastava S.K., V.C. Mathur, R. Kumar, N. Sivaramane and G.K. Jha	2013	Household demand and supply of milk and milk products in India: regional trends and future projections	<i>International Journal of Agricultural and Statistical Sciences</i> 9(1): 353-363	4.00	-
87.	Sangeetha V., S.V. Prasad and P. Venkatesh	2013	Training Needs of Cotton Growers of Madurai District of Tamil Nadu	<i>Andhra Agricultural Journal</i> 60(2)	3.98	-
88.	Sekar, I.	2013	Yield response modelling and decomposing production in Rice in India	<i>Indian Journal of Agricultural Research</i> 48(2): 89-96	3.86	-
89.	Sekar, I.	2013	Irrigation water use and availability in India: changing growth trends and implications	<i>Journal of Soil and Water Conservation</i> 12(2): 108-116	3.76	-
90.	Roy Aniruddha, Amit Kar and Shiv Kumar	2013	Identification and prioritization of the Constraints of Vegetable Marketing and to suggest suitable policy options of improving vegetable marketing in West Bengal	<i>Bioinfolet</i> 13: 238-240	3.75	-



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91.	Jhahhria, Amit Kar, Suresh Pal, Shiv Kumar and G.K. Jha	2013	Price volatility in the Rajasthan Coriander Markets: An empirical analysis	<i>Bioinfolet</i> 10(2A): 547-549	3.75	-
92.	J. Bairwa, Kailash Chand and Alka Singh	2013	Impact of Bt cotton (Bollgard II) on crop productivity: A decomposition analysis	<i>Journal of Cotton Research and Development</i> 27(2): 50-54	3.41	-
93.	Sangeetha V., Premlata Singh, P. Venkatesh and K.C. Shinogi	2014	SWOT analysis of Non-Governmental Organization led Self Help Groups	<i>Pusa AgriScience</i> 36: 40-44	-	-
94.	Praveen, K.V., Shiv Kumar, D.R. Singh, Prawin Arya, K.R. Chaudhary and Anil Kumar	2012	A study on economic behaviour, perception and attitude of households towards traditional and modern food retailing formats in Kochi	<i>Indian Journal of Agricultural Marketing</i> 27(2): 142-151	-	2.89
95.	Praveen, K.V., Shiv Kumar, Dharam Raj Singh, Anil Kumar, Prawin Arya and Khyaliram Chaudhary	2013	An analysis of price levels of selected food commodities under modern and traditional retailing formats in Kochi	<i>Global Journal of Finance and Management</i> 5(10): 76-85	-	-
96.	Reddy, A.A. and Bantilan, M.C.S.	2013	Regional disparities in Andhra Pradesh, India	<i>Local Economy</i> 28(1): 123-135 (sage publications from London/UK)	-	-
97.	Reddy, A. A.	2013	Dynamics of rural labour markets: Evidence from longitudinal panel data in India	<i>Journal of Income and Wealth</i> 35(2): 54-71	-	-
98.	Venkatesh P., R. Sendhil and V. Sangeetha	2013	Implications of National Food Security Ordinance (NFSO)	<i>International Journal of Agriculture and Food Science Tech.</i> 4(6): 627-634	-	-
99.	Jayakumara R., Varadan and Pramod Kumar	2015	Mapping agricultural vulnerability of Tamil Nadu, India to climate change: A dynamic approach to take forward the vulnerability assessment methodology	<i>Climatic Change</i> 128: 1-2	10.62	-
100.	Jayakumara R., Varadan and Pramod Kumar	2014	Indigenous knowledge about climate change: Validating the perceptions of dryland farmers in Tamil Nadu	<i>Indian Journal of Traditional Knowledge</i> 13(2): 390-397	6.49	-



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101.	Mondal, B., A. Singh, D.R. Singh and I. Sekar	2014	Watershed Livestock Linkages: A Study in Bundelkhand Region of Madhya Pradesh	<i>Indian J. Animal. Research</i> 48(3): 262-269	6.03	-
102.	Suresh, A and S.S. Raju	2014	Rainfed Agriculture in India during 1980-2010: Performance and implications	<i>Indian Journal of Agricultural Sciences</i> 84(11): 1415-22	6.00	-
103.	Kumar, R., D.R. Singh, S. Kumar, V.P. Chahal, K.R. Chaudhary and Shaloo	2015	Migratory Sheep Production System and its Impact on Livelihood Security of Sheep Households in Ajmer District of Rajasthan	<i>Indian Journal of Animal Sciences</i> 85(2): 522-524	6.00	-
104.	Singh, Alka and Suresh Pal	2015	Emerging trends in the Public and Private investment in Agricultural research in India	<i>Agricultural Research</i> 4(2): 121-131	5.88	-
105.	Sendhil R, A. Kar, V.C. Mathur and G.K. Jha	2014	Price volatility in agricultural commodity futures: An application of GARCH model	<i>Journal of the Indian Society of Agricultural Statistics</i> 68(3): 365-375	5.8	-
106.	Sundaramoorthy C., V.C. Mathur and G.K. Jha	2014	Price transmission along the cotton value chain	<i>Agricultural Economics Research Review</i> 27(2): 177-186	5.68	-
107.	Venkatesh P. and Nithyashree, M.L.	2014	Institutional Changes in Delivery of Agricultural Inputs and Services to Farm Households in India	<i>Agricultural Economics Research Review</i> 27 (Conference number): 85-92 DOI: 10.5958/0974-0279.2014.00010.X	5.7	-
108.	Venkatesh, P. and Suresh Pal	2014	Impact of plant variety protection on Indian seed industry	<i>Agricultural Economics Research Review</i> 27(1): 91-102	5.68	-
109.	Sundaramoorthy, C., G.K. Jha, Suresh Pal and V.C. Mathur	2014	Market integration and volatility in edible oil sector in India	<i>Journal of the Indian Society of Agricultural Statistics</i> 68(1): 67-76	5.5	-
110.	Reddy, A.A., Radhika Rani and G.P. Reddy	2014	Labour Scarcity and Farm Mechanization: A Cross State Comparison	<i>Indian Journal of Agricultural Economics</i> , Conference issue July- September 2014	5.04	-
111.	Birthal, P.S., D.S. Negi, Shiv Kumar, S. Aggarwal, A. Suresh and M.T. Khan	2014	How sensitive is Indian agriculture to climate change?	<i>Indian Journal of Agricultural Economics</i> 69(4): 474-487	5.04	-



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112.	Mondal, Biswajit, Alka Singh and S.D. Singh	2014	Socio-economic impact of watershed development programmes in Bundelkhand region of Madhya Pradesh India	<i>International Journal of Agricultural and Statistical Sciences</i> 44(1): 33-43	5.00	-
113.	Reddy, A.A.	2014	Profitability and use in cropping systems	<i>Indian Journal of Dryland Agricultural Research and Development</i> 29(1): 97-106	4.70	-
114.	Bhardwaj, S.P., Ranjit Kumar Paul, D.R. Singh and K.N. Singh	2014	An Empirical Investigation of ARIMA and GARCH Models in Agricultural Price Forecasting	<i>Economic Affairs</i> 59(3): 415-428	4.69	-
115.	Suresh, A. and S.S. Raju	2014	Poverty and sustainability implications of groundwater based irrigation: Insights from Indian experience	<i>Economic Affairs</i> 59(2): 311-20	4.69	-
116.	Praveen, K.V.	2014	Evolution and emerging issues in fertilizer policies in India	<i>Economic Affairs</i> 59(2): 163-173	4.69	-
117.	Raju, S.S., A. Suresh, Ramesh Chand and Sonia Chauhan	2015	Pattern and trend in labour use in Indian agriculture: An analysis across major crops and states	<i>Economic Affairs</i> 60(1): 99-108	4.69	-
118.	Balaji, S.J. and Suresh Pal	2014	Agricultural Productivity Growth: Is there Regional Convergence?	<i>Economic and Political Weekly</i> 14: 74-80	4.68	-
119.	Inbasekar, K.	2014	"Pulses Production: Challenges and Strategies"	<i>Economic Affairs</i> 59(3): 403-414	4.68	-
120.	Reddy, A.A.	2015	Growth, Structural Change and Wage Rates in Rural India	<i>Economic &amp; Political Weekly</i> 50(2): 57-65	4.66	-
121.	Sujit Sarkar, R.N. Padaria, K. Vijayaraghavan, Himanshu Pathak, Arpan Bhowmik, Pramod Kumar and G.K. Jha	2014	Constructive a Knowledge Test to Measure the Knowledge Level of Farmers about Climate Change in Arid Ecosystem of India, International	<i>Journal of Bio-resource and Stress Management</i> 5(4): 530-535	4.46	-
122.	Chauhan, S.S., S.K. Jha, G.K. Jha and D.K. Sharma	2014	Water absorption kinetics of pearl millet grains	<i>Journal of Agricultural Engineering</i> 51(1): 16-22	4.27	-





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123.	Sendhil, R., C. Sundaramoorthy P. Venkatesh and Lijo Thomas	2014	Testing co-integration and convergence to the law of one price in Indian onions	<i>African Journal of Agricultural Research</i> 9(40): 2975-2984 DOI: 10.5897/ AJAR2013.8037	4.0	-
124.	Suresh, A., S. Wankhade and K.R. Chaudhary	2014	Instability in prices of selected non-vegetarian commodities In India: An analysis of post-liberalisation period	<i>Asian Journal of Dairy and Food Research</i> 33(2): 109-18	3.88	-
125.	Sundaramoorthy, C., V.C. Mathur and G.K. Jha	2014	Performance of India's cotton based textile trade: A constant market share analysis	<i>Journal of Cotton Research and Development</i> 28(2): 334-341	3.41	-
126.	Jha, G.K., C. Mazumder, J. Kumari and G. Singh	2014	Nonlinear principal component based fuzzy clustering: A case study of lentil genotypes	<i>Indian Journal of Genetics and Plant Breeding</i> 74(2): 189-196	3.38	-
127.	Sangeetha V., Premlata Singh, P. Venkatesh and K.C. Shinogi	2014	SWOT analysis of Non-Governmental Organization led Self Help Groups	<i>Pusa AgriScience</i> 36: 40-44	-	-
128.	Thulasiram, R.K., P. Thulasiraman, H. Prasain and G.K. Jha	2014	Nature-inspired soft computing for financial option pricing using high-performance analytics. Wiley Inter-science, Concurrency and Computation: Practice and Experience	DOI: 10.1002/ cpe.3360	-	-
129.	Reddy, D.N. Reddy A.A. and Bantilan MCS	2014	The Impact of Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA) on Rural Labor Markets and Agriculture	<i>India Review</i> 13(3): 251-273	-	-
130.	Reddy, A.A.	2014	Rural Labour Markets Insights from Indian Villages	<i>Asia-Pacific Development Journal</i> 21(1): 107-136	-	-
131.	Cherukuri, R.R. and A.A. Reddy	2014	Producer Organisations in Indian Agriculture. Their Role in Improving Services and Intermediation	<i>South Asia Research</i> 34(3): 209-224	-	-
132.	Suresh, A., P. Ramasundaram, J. Samuel and S. Wankhade	2014	Cotton cultivation in India since the green revolution: Technology, policy, and performance, Review of Agrarian Studies	4(2): 26-52	-	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
133.	Anbukkani P. and Vijayalakshmi	2015	Economic Analysis of Dairy Farming in Dry Farming Areas of Tamil Nadu Indian	<i>In. J. Dairy Sci.</i> 84(3)	-	-
134.	Sreekanth, G.B., Tincy Varghese, Mishal P., Sandeep K. and Praveen, K.V.	2015	Food Security in India: Is Aquaculture a Solution in the Offing?	<i>International Journal of Science and Research (IJSR)</i> 4(3): 553-560	-	-
135.	R.J. Varadan, P. Kumar, G.K. Jha, S. Pal and R. Singh	2015	An exploratory study on occurrence and impact of climate change on agriculture in Tamil Nadu, India	<i>Theoretical and Applied Climatology</i> DOI: 10.1007/s00704-015-1682-9	8.02	-
136.	Mondal Biswajit, Alka Singh, I. Sekar, M.K. Sinha and Suresh Kumar	2016	Institutional arrangements for watershed development programmes in Bundelkhand region of Madhya Pradesh, India, An exploratory study	<i>International Journal of Water Resource Development</i> 32(2): 219-231	7.09	-
137.	Venkatesh P, I. Sekar, G.K. Jha, Premlata Singh, V. Sangeetha and Suresh Pal	2016	How do the stakeholders perceive plant variety protection in Indian seed sector?	<i>Current Science</i> 110(12): 2239-2244	6.93	-
138.	S. Sarkar, R.N. Padaria, K. Vijayaragavan, H. Pathak, P. Kumar and G.K. Jha	2015	Assessing the potential of indigenous technological knowledge (ITK) for adaptation to climate change in the Himalayan and arid ecosystems	<i>Indian Journal of Traditional Knowledge</i> 14(2): 251-257	6.41	-
139.	Singh D. R., A.K. Vasisht and Shiv Kumar	2015	Profitability and Technical Efficiency of Aquaculture in Punjab	<i>India, Indian J. Fish.</i> 62(2): 49-55	6.22	-
140.	Suresh, A. and K.R. Chaudhary	2015	Intervention points for small ruminant development in India: Insight from a field level survey	<i>Indian Journal of Animal Sciences</i> 85(12): 1384-1389	6.16	-
141.	S.S. Chauhan, S.K. Jha, G.K. Jha, D.K. Sharma, T. Satyavathi and J. Kumari	2015	Germplasm screening of pearl millet ( <i>Pennisetum glaucum</i> ) for popping characteristics	<i>Indian Journal of Agricultural Sciences</i> 85(3): 344-48	6.14	-
142.	Venkatesh P, Nithyashree M.L., V. Sangeetha and Suresh Pal	2015	Trends in agriculture, non-farm sector and rural employment in India: An insight from state level analysis	<i>Indian Journal of Agricultural Sciences</i> 85(5): 671-677	6.14	-
143.	Singh, Alka and Suresh Pal	2015	Emerging trends in the Public and Private investment in Agricultural research in India	<i>Agricultural Research</i> 4(2): 121-131	5.88	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
144.	Said Idris, Alka Singh and K.V. Praveen	2015	Trade competitiveness and impact of food safety regulations on market access of India's horticultural trade	<i>Agricultural Economics Research Review</i> 28(2): 301-309	5.86	-
145.	Lama, G.K. Jha, R.K. Paul and B. Gurung	2015	Modelling and forecasting of price volatility: An application of GARCH and EGARCH models	<i>Agricultural Economics Research Review</i> 28(1): 73-82	5.68	-
146.	Suresh, G.K. Jha, S. Raghav, P. Supriya, A. Lama, B. Punera R. Kumar, A.R. Handral, J.P. Sethy, R.G. Gidey, J. Sebastian, P. Upreti, K.J. Raghavendra and Ravindra	2015	Food safety concerns of consumers: A case study of pesticide residues on vegetables in Delhi	<i>Agricultural Economics Research Review</i> 28: 229-236	5.68	-
147.	Rimal, N.R., S. Kumar, D.R. Singh, V.P. Chahal and Shaloo	2015	Sources of Growth in Pulses Production in India	<i>Agricultural Economics Research Review</i> 28(1): 91-102	5.68	-
148.	Praveen, K.V. and A. Suresh	2015	Performance and Sustainability of Kudumbashree Neighbourhood Groups in Kerala: An Empirical Analysis	<i>Indian Journal of Agricultural Economics</i> 70: 3	5.04	-
149.	Singh, S. Pal and G.K. Jha	2015	Transitioning India's public expenditure in agriculture towards higher growth and equity	<i>Indian Journal of Agricultural Economics</i> 70(3): 246-258	5.04	-
150.	Reddy, A.A.	2015	Regional Disparities in Profitability of Rice Production: Where Small Farmers Stand?	<i>Indian Journal of Agricultural Economics</i> 70(3): 259	5.04	-
151.	Suresh, A.	2015	Efficiency of Agricultural Production in India: An Analysis using non-Parametric approach	<i>Indian Journal of Agricultural Economics</i> 70(4): 471-486	5.04	-
152.	Lisa Mariam Varkey, Pramod Kumar, Nilimesh Mirdha, I. Sekar and Rabi Narayan Sahoo	2016	Ecosystems Services and Fishery Production Dynamics of Wetland Ecosystem: An Appraisal of Alapphuza District of Kerala, India	<i>Fishery Technology</i> 53(2): 162-169	4.87	-
153.	Kallega Harish, Amit Kar and Mathur V.C.	2015	Temporal and Spatial Performance of Horticultural Crops in India	<i>Economic Affairs</i> 236: 365-374	4.69	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
154.	Reddy, A. and Singh, V.	2015	Financial Inclusion and Actual Use of Financial Services by the Poor in India	<i>Economic Affairs</i> 60(4): 679	4.69	-
155.	Kumara, Kiran T.M., D.R. Singh and KV. Praveen	2015	Economic Benefits from Adoption of Organic Farming in India	<i>Economic Affairs</i> 60(3): 569-576	4.69	-
156.	S.J. Kale, S.K. Jha, G.K. Jha, J.P. Sinha and S.B. Lal	2015	Soaking induced changes in chemical composition, glycemic index and starch characteristics of basmati rice	<i>Rice Science</i> 22(5): 227-236	4.59	-
157.	Gowda C.S.S. and Amit Kar	2015	National Horticulture Mission (NHM)- a game changer for Horticultural Economy of Karnataka	<i>Bio-resource and Stress Management</i> 6(3): 303-311	4.46	-
158.	Anbukkani P.	2016	Economic analysis of dairy farming in dry farming areas of Tamil Nadu	<i>Indian J. Dairy Sci.</i> 69(1): 86-93	4.19	-
159.	Paul, R.K., S. P. Bhardwaj, D.R. Singh, Anil Kumar, Prawin Arya and K.N. Singh	2015	Price Volatility in Food Commodities in India –An Empirical Investigation	<i>Int. J. Agricultural Stat. Sci.</i> 11(2): 395-401	4.00	-
160.	Punit Kumar, V.C. Mathur, Amit Kar, Alka Singh and Girish Kumar Jha	2015	Impact of organized food retailing on farm producers with special reference to vegetables	<i>Bioinfolet</i> 12(4): 909-910	3.75	-
161.	Anbukkani P., M.L. Nithyashree and Pramod Kumar	2015	Productivity and sustainability of rice-wheat system in Indo - Gangetic plain, Karnataka	<i>J. Agric. Sci. Spl. Issue</i> 28(5): 837-841	3.50	-
162.	Ojha A., Sharma A., Sihag M. and Ojha S.	2015	Food Packaging – Material and Sustainability: A Review	<i>Agricultural Review</i> 36(3): 241-245	3.31	-
163.	Chand, R., Raju, S.S. and Reddy, A.A.	2015	Assessing performance of pulses and competing crops based on market prices and natural resource valuation	<i>Journal of Food Legumes</i> 28(4): 335-340	3.19	-
164.	Reddy A.A. and Malik	2015	Agricultural Production and Trade Policy and Future Directions	<i>Agricultural situation in India</i> , VOL. LXXII October, 2015, Pp. 11-16 (Journal ID: A 74)	2.76	-
165.	Praveen K.V. and K. Inbasekar	2015	Integration of Agricultural Commodity Markets in India	<i>International Journal of Social Sciences</i> 4(1): 51-56	2.59	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
166.	Babu S.C., Huang J., Venkatesh P. and Zhang Y.	2015	A comparative analysis of agricultural research and extension reforms in China and India	<i>China Agricultural Economic Review</i> 7(4): 541-572 DOI: 10.1108/CAER-05-2015-0054	0.898	-
167.	Mazumder. G.K. Jha, R. Parsad, A. Bharadwaj and J. Kumari	2015	Principal component based fuzzy c-means algorithm for clustering lentil germplasm	<i>Journal of the Indian Society of Agricultural Statistics</i> 69(3): 307-314	-	-
168.	Reddy, A.A., Rani, C.R., Cadman, T., Kumar, S. N. and Reddy, A.N.	2016	Towards sustainable indicators of food and nutritional outcomes in India	<i>World Journal of Sci., Technology and Sustainable Development</i> 13(2): 128-142	-	-
169.	Thimmappa, K., Singh, Y., Raju, R., Kumar, S., Tripathi, R.S., Pal, G. and Reddy, A.A.	2015	Reducing Farm Income Losses through Land Reclamation: A Case Study from Indo-Gangetic Plains	<i>Journal of Soil Salinity and Water Quality</i> 7(1): 68-76	-	-
170.	Suresh, A.	2016	Consumers' attitude towards meat consumption in India: insights from a survey in two metropolitan cities	<i>Livestock Research for Rural Development</i> 28(3)	-	-
171.	Sajesh, V.K. and A. Suresh	2016	Public Sector Agricultural Extension in India	<i>Review of Agrarian Studies</i> 6(1)	-	-
172.	Venkatesh P, V. Sangeetha and Suresh Pal	2015	India's Experience of Plant Variety Protection: Trends, Determinants and Impact	<i>AAEA &amp; WAEA Joint Annual Meeting</i> 26-28 California, USA	-	-
173.	G.B. Sreekanth, P.U. Zacharia, Praveen, K.V., N. ManjuLekshmi and N.P. Singh	2015	An Inquiry in to the Trends in Landings and Marketing Efficiency of Threadfin Breems, A Trawl By Catch Resource along Kerala Coast	<i>South-Asian Journal of Multidisciplinary Studies</i> 2(4): 24-36	-	-
174.	Aditya K.S, Tajuddin Khan and Avinash Kishore	2016	Crop insurance in India	<i>Drivers and Impact-IFPRI Discussion Paper</i>	-	-
175.	Lisa Mariam Varkey, Promod Kumar, Nilimesh Mirdha, I. Sekar and Rabi Narayan Sahoo	2016	Ecosystems services and fishery production dynamics of wetland ecosystem: An appraisal of Alapphuza district of Kerala	<i>India, Fishery Technology</i> 53(2): 162-169	4.87	-
176.	Renjini V.R. and Amit Kar	2016	Composition, intensity and competitiveness of agricultural trade between India and ASEAN	<i>Indian Journal of Economics and Development</i> 12(2): 249-254	4.01	-
177.	P. Prakash and Pramod Kumar	2016	Performance of Kisan Credit Card Scheme in Tamil Nadu	<i>Indian Journal of Agricultural Economics</i> 71(3): 191-211	5.04	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
178.	Reddy A. Amarender, Hemant Kumar, Anjani SnehaVajrala, Ch Radhika Rani and Omprakash Maurya	2016	Impact of adoption of new crops in to new areas through introduction of improved varieties: case of chickpea in South India	<i>International Journal of Agricultural and Statistical Sciences</i> 12(1): 205-214	4.0	-

## Faculty Profile

### (i) Professors

S. No.	Name	Period
1.	Dr. Puran Chand	2007-2009
2.	Dr. V.C. Mathur	2009-2013
3.	Dr. Alka Singh	2013 – Continued

### (ii) Heads

S. No.	Name	Period
1.	Dr. R.P. Singh	2000-2007
2.	Dr. V.C. Mathur	2007-2009
3.	Dr. Suresh Pal	2009-2014
4.	Dr. Alka Singh	2014
5.	Dr. Amit Kar	2015 – Continued

### (iii) Faculty Members

S. No.	Name of the Faculty	Qualification	Specialization	h-Index	i10-Index
1.	Dr. Suresh Pal	Ph.D.	Agricultural Development & Policy	-	-
2.	Dr. Amit Kar	Ph.D.	Agricultural Development & Policy Agricultural Marketing & Trade	-	-
3.	Dr. Alka Singh	Ph.D.	Agricultural Development & Trade Farm Management and Resource Economics	6	2
4.	Dr. Pramod Kumar	Ph.D.	Agricultural Finance and Project Analysis Agricultural Development & Policy	5	5
5.	Dr. D.R. Singh	Ph.D.	Agricultural Development & Policy Farm Management and Resource Economics	5	1
6.	Dr. P.S. Birthal	Ph.D.	Agricultural Development & Policy	25	55
7.	Dr. Shiv Kumar	Ph.D.	Agricultural Marketing & Trade Farm Management and Resource Economics	5	2



S. No.	Name of the Faculty	Qualification	Specialization	h-Index	i10-Index
8.	Dr. N.P. Singh	Ph.D.	Agricultural Development & Policy Agricultural Marketing & Trade	10	10
9.	Dr. Suresh A.	Ph.D.	Agricultural Development & Policy Farm Management and Resource Economics	6	3
10.	Dr. P. Venkatesh	Ph.D.	Agricultural Development & Policy Agricultural Marketing & Trade	4	1
11.	Dr. P. Anbukkani	Ph.D.	Agricultural Development and Natural Resources Economics	-	-
12.	Dr. Akriti Sharma	Ph.D.	Agricultural Business Management	-	-
13.	Dr. S.K. Srivastava	Ph.D.	Agricultural Marketing & Trade	4	4
14.	Dr. T. Kingsly Immanuelraj	Ph.D.	Agricultural Marketing & Trade	-	-
15.	Dr. Sathish Gowda C.S.	Ph.D.	Agricultural Marketing & Trade	-	-



# Agricultural Extension

R.N. Padaria

## Students Awarded Degree

S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
<b>Ph.D. Students</b>					
1.	2007	Letha Devi G.	Changing livelihood pattern of rural women: an analysis in context of urbanization	Dr. K. Vijayaragavan	-
2.	2008	Arun Kumar S.	Contract farming - A multi dimensional analysis	Dr. Premlata Singh	-
3.	2008	Shivanand K. Kammar	Risk and uncertainty of management in rainfed agriculture. Farmers' strategies	Dr. R. Bhagat	-
4.	2008	Seeralan S.	A study of theory building in Agribusiness management behaviour of farmers- An axiomatic approach	Dr. Baldeo Singh	-
5.	2011	Narayanan G.	Empowerment of rural women through swarnajayanti Gram Swarozgar Yojana in Tamilnadu	Dr. Premlata Singh	-
6.	2012	Dhiraj K. Singh	Effectiveness of strategic research and extension plan of Agricultural Technology Management Agency in Bihar	Dr. Premlata Singh	-
7.	2012	Praveen Gedam	A diagnostic study of extension support system in promoting orange production in Maharashtra	Dr. R.N. Padaria	-
8.	2012	Leela Ram Gurjar	Adoption and socio-economic assessment of conservation agricultural technology	Dr. R.N. Padaria	-
9.	2013	NikamVinayak Ramesh	Linking farmers to export market: A case of Mahagrapes in India	Dr. Premlata Singh	-
10.	2013	Manoj	Impact of Farmes' Field Schools on farmers' knowledge, productivity and environment	Dr. K. Vijayaragavan	-
11.	2013	B.L. Manjunatha	Accessibility to Quality seed: a Multi-Stakeholder Analysis of seed policy	Dr. D.U.M. Rao	IARI Merit Medal
12.	2014	Venu Prasad H.D.	Retail markets of vegetables and its implication in Peri-urban agricultural system	Dr. B.K. Singh	-





S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
13.	2014	Rakesh E.S.	Indigenous Technical Knowledge of tribal farmers of Arunachal Pradesh	Dr. B.K. Singh	-
14.	2014	V. Ravinder Naik	Effectiveness and impact analysis of Innovative Information and Communication based extension models	Dr. R.N. Padaria	-
15.	2014	Aravinda Dabadi	Prospects and Challenges of Secondary Agriculture Based Livelihood Systems	Dr. J.P. Sharma	-
16.	2014	Dipika Hozong	A study on agri-entrepreneurship behaviour of farmers	Dr. R.N. Padaria	-
17.	2014	Rakesh K.	Best practices of innovative farmers in enhancing profitability and sustainability: Cases from Karnataka	Dr. Premlata Singh	-
18.	2015	Sujit Sarkar	Assessment of climate change led vulnerability and simulating the adaptive behaviour of farmers in the Himalayan and Arid ecosystems	Dr. R.N. Padaria	IARI Merit Medal & Jawaharlal Nehru Award
19.	2015	Dr. Reshma Gills	Post harvest decision making pattern and marketing behaviour of peri urban farmer	Dr. J.P. Sharma	IARI Merit Medal
20.	2015	Renu Balakrishnan	Best practices and designing a module for teaching learning in higher education in Agriculture	Dr. Premlata Singh	-
21.	2015	Ashis S. Murai	Designing and validating an e-module on creativity for students in higher education in Agriculture	Dr. Premlata Singh	-
22.	2015	Rejula K.	A multidimensional analysis of rice farming and related agro-ecosystems in Kerala	Dr. Rashmi Singh	-
23.	2016	Jagriti Rohit	Mapping and forecasting of competencies for extensionists in changing agricultural scenario	Dr. Premlata Singh	-
24.	2016	Anshida Beevi C.N.	An analytical study on Job Performance of women extension personnel in Kerala	Dr. Monika wason	-
25.	2016	Bushe Lekang	An assessment of Experiential Learning programme of ICAR for Entrepreneurial Development	Dr. M.S. Nain	-
26.	2016	Hema Baliwada	Farmer - led Innovations and their Techno-economic Feasibility for scaling up	Dr. J.P. Sharma	-
27.	2016	Pankaj Kumar Sinha	Assessment of Capacity Building Programmes of RUDSETI for Self-Employment among Rural Youth	Dr. B.K. Singh	-



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
28.	2016	Shrishar S. Patil	Risk Perception, Adoption and Impact of Agro-biotech Crops	Dr. R.N. Padaria	-
29.	2016	Sajesh V.K.	Pluralism in Agricultural Extension and Convergence-An analysis	Dr. R.N. Padaria	-
<b>M.Sc. Students</b>					
1.	2007	Leela Ram Gurjar	Assessment of techno-economic performance and farmers' perception of Bt. Cotton in Rajasthan	Dr. R.N. Padaria	-
2.	2007	Dhiraj Kumar Singh	Commercial vegetable cultivation in Ghaziabad district U.P.	Dr. B.K. Singh	-
3.	2007	Pravin Charandasji Gedam	Problem and prospect of orange production in Vidharbha Region	Dr. Baldeo Singh	-
4.	2007	Dhadwad Manohar Baurao	Agrarian Distress Among The Cotton Growers of Central India	Dr. D.U.M. Rao	-
5.	2007	Shubadeep Rao	Flower cultivation and marketing in Nadia District U.P.	Dr. R. Bhagat	-
6.	2007	Chandru A.	Impact of web based information and procurement system- A case of soya choupal in Madhya Pradesh	Dr. K. Vijayaragavan	-
7.	2008	Venu Prasad H.D.	Impacts of contact farming of Gherkin in Karnataka State	Dr. Premlata Singh	-
8.	2008	Rakesh Kumar K.	Impact of community radio station ' <i>Namma Dhvani</i> ' on people's socio-eco and cultural development in Budikote, Karnatka	Dr. B.K. Singh	-
9.	2008	Surya S.	Transgenics and biosafety concerns: stakeholders perception and training needs	Dr. R.N. Padaria	-
10.	2008	Mahesh Malgatti	Non-pesticidal management in crops: community managed extension processes and impacts	Dr. D.U.M. Rao	-
11.	2009	Rakesh E.S.	An analytical study of commercial cultivation of cut flowers in Meerut division of U.P.	Dr. B.K. Singh	-
12.	2009	Sujit Sarkar	Farmer's risk perception, vulnerability and adaption strategy to climate change in coastal ecosystem of West Bangal	Dr. R.N. Padaria	-
13.	2009	Nikam Vinayak Ramesh	A multidimensional study of raising entrepreneurs in Nasik district of Maharashtra	Dr. Rekha Bhagat	-
14.	2009	B.L. Manjunatha	Socio-economic umpact of samaj shilpi dampati scheme of Integrated Agril. Rural development in Chitrakoot district of U.P.	Dr. D.U.M. Rao	IARI Merit Medal
15.	2009	Dipika Hajong	Tribal entrepreneurship develop-ment: A multidimensional study	Dr. J.P. Sharma	-



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
16.	2011	Arindam Nag	Changes in technology use in rice cultivation: a comparative study between districts with low and high rice productivity of West Bengal	Dr. Rashmi Singh	-
17.	2010	Amol Bhalerao	Prospects of value addition in banana in Maharashtra	Dr. J.P. Sharma	-
18.	2010	Tushar Ram Chandra Athare	Socio-economic assessment of participatory watershed development programme in Maharashtra	Dr. Baldeo Singh	-
19.	2010	Vishnu Gawda	Pomegranate cultivation in Karnataka technological gaps and constraints in marketing and export	Dr. J.P. Sharma	-
20.	2010	G. Vimal Raj	An analytical study of best practices and competencies of award winning agripreneurs of Tamilnadu	Dr. Rashmi Singh	-
21.	2010	Arindam Nag	Changes in technology use in rice cultivation : a comparative study between districts with low and high rice productivity of West Bengal	Dr. Rashmi Singh	-
22.	2011	Vishnu Gouda	Pomegranate cultivation in Karnataka: technological constraints in marketing and export	Dr. J.P. Sharma	-
23.	2011	Anirban Mukharjee	Privatized agriculture technology delivery system-An analytical study on Tata Kisan Sansar in U.P.	Dr. Ram Bahal	-
24.	2011	Gondker Sachin Sopan	A critical analysis of entrepreneurs in protected agriculture in Maharashtra	Dr. B.K Singh	-
25.	2011	Raju	Community participation in watershed programme of Tarun Bharat Sangh in Rajasthan: A critical analysis	Dr. J.P. Sharma	-
26.	2011	Pankaj Kumar Sinha	An entrepreneurial behaviour of farmers and socio-economic impact of baby corn cultivation	Dr. Rashmi Singh	-
27.	2012	Phurailatpam Romen Sharma	Analysis of microfinance in relation micro-enterprises development in Manipur	Dr. Rashmi Singh	-
28.	2012	Reshma Gills	An analytical study of organic cardamom growers in Idukki district of Kerala	Dr. Rashmi Singh	IARI Merit Medal
29.	2012	Renu Balakrishnan	Process and determinants of e-learning of Agricultural Technologies among farm women of Kerala	Dr. Monika Wason	-



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
30.	2012	Sukana Barua	Impact assessment of Tribal Sub-plan on livelihood security in West Bengal	Dr. Monika Wason	-
31.	2013	K. Ravi Kumar	Farmer's knowledge and communication network regarding climate and weather parameters in relation to crop management	Dr. Rashmi Singh	-
32.	2013	Rajesh Bishnoi	Vulnerabilities and adaptation strategies to climate change in Rajasthan: A gender perspective	Dr. Premlata Singh	IARI Merit Medal
33.	2013	Shafi Afroz	Effectiveness of participatory video in dissemination of farm technology: A case of digital green	Dr. Rashmi Singh	-
34.	2013	Anshida Beevi C.N.	An analytical study of changing livelihood systems in Coral Islands of Lakshyadweep	Dr. Monika Wason	-
35.	2014	Subhashree Sahu	Critical analysis of farmer organisations and socio economic impact	Dr. J.P. Sharma	-
36.	2014	Sushil Kumar	Analysis of marketing extension system in peri-urban agriculture.	Dr. Rashmi Singh	-
37.	2014	Litan Das	Innovativeness in marketing of fruits in Assam: A study of North Eastern Regional Agricultural Marketing Corporation Limited	Dr. Rashmi Singh	-
38.	2014	Jagyanseni Nayak	Impact Assessment of National Food Security Mission (NFSM) among small and marginal farmers of Uttar Pradesh	Dr. Monika Wason	-
39.	2014	Madan Singh	Critical analysis of mobile based agro-advisory services: A case of mKRISHI	Dr. R. Roy Burman	-
40.	2015	Sukanya Som	Designing e-Learning module: On Good Agricultural Practices (GAP) for grapes	Dr. R. Roy Burman	IARI Merit Medal
41.	2015	Jasna V.K.	Impact of climate resilient technologies: In Rainfed Agro-Ecosystem	Dr. R. Roy Burman	-
42.	2015	Abhinaya Bhagdas	Impact assessment of Bringing Green Revolution to Eastern India (BGREI) sub scheme of Rashtriya Krishi Vikas Yojana	Dr. Monika Wason	-
43.	2016	Channa Veeresh Motagi	Comprehensive Nutrition Mission Programs in India: A Multi-dimensional study	Dr. Premlata Singh	-
44.	2016	Alok Kr. Sahoo	Analysis of functional mechanism and impact assessment of IARI-Post office Linkage Extension Model	Dr. R. Roy Burman	-



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
45.	2016	Sunil Kumar	Critical analysis of knowledge management in agriculture: a case of Rice Knowledge Management Portal (RKMP)	Dr. V. Sangeetha	-
46.	2016	Rabeesh Verma	Impact assessment ICT Based Connect India programme on women Empowerment	Dr. Monika Wason	-
47.	2016	Krishna D. Karjigi	Empowerment of rural households through Community Radio Stations: An analytical study	Dr. N.V. Kumbhare	-

### Foreign Students Awarded Degree

S. No.	Year	Name of the Foreign Student	Thesis Title	Chairperson	Country
1.	2007	Daniel Temesgen Gelan	Entrepreneurial needs of Agril. Students	Dr. Baldeo Singh	Ethiopia
2.	2009	Helen Kassa Sharecho	Effectiveness of research-extension and farmers' linkage in agricultural universities	Dr. Premlata Singh	Ethiopia
3.	2016	Bushe Lekang	An assessment of Experiential Learning programme of ICAR for Entrepreneurial Development	Dr. M.S. Nain	Botswana

### Training Courses/Winter/Summer School/Workshop Organized

S. No.	Title	Duration	Name(s) of the Course Director and Co-ordinators	No. of Participants
1.	ICAR CAS Training Course on "Gender issues and empowerment in agriculture"	Aug. 28 to Sept. 17, 2008	Dr. Premlata Singh	25
2.	Model Training Course on Monitoring and evaluation techniques for extension programmes including e-monitoring tools and mechanism	Oct. 14-21, 2008	Dr. R.N. Padaria	24
3.	ICAR CAS Training Course on "Entrepreneurship development in agriculture"	Jan. 5-25, 2009	Dr. Rashmi Singh	23
4.	ICAR winter school on "Gender Empowerment in Agriculture"	February 18 to March 10, 2009	Dr. Premlata Singh	25
5.	ICAR Summer School on 'Tools and techniques for planning, monitoring, evaluation, and impact assessment of extension programmes'	July 21 to Aug. 10, 2009	Dr. R.N. Padaria	25
6.	Training Orientation Programme of SAARC scientists about New Dimensions of Agricultural Research & Extension	November 4-13, 2009	Dr. Baldev Singh, Dr. Ram Bahal	06
7.	Model Training Course on 'Management Skills of Extension Professionals'	Dec. 16-23, 2009	Dr. K. Vijayaragavan	19
8.	ICAR winter school on "Capacity building of extension professionals for effective training"	January 8-28, 2010	Dr. Monika Wason	25



S. No.	Title	Duration	Name(s) of the Course Director and Co-ordinators	No. of Participants
9.	CAFT course on “Methodological Advances in Extension Research”	February 5-25, 2010	Dr. R.N. Padaria	18
10.	Model Training Course on “Market led extension for entrepreneurship development”	Aug. 31 to Sept. 7, 2010	Dr. R.R. Burman	27
11.	CAFT course on “Innovative Extension Models for Sustainable Agriculture”	January 4-26, 2011	Dr. R.N. Padaria	25
12.	CAFT course on “Innovative communication Interventions in Sustainable Agricultural Development”	January 18 to Feb., 2012	Dr. R.R. Burman	25
13.	IARI Technical Officer’s training on “Enhancing Motivation for High Job Performance”	May 18-21, 2012	Dr. Premlata Singh	24
14.	IARI PG Student’s training On “Life Skills and Leadership Development”	July 19-23, 2012	Dr. Premlata Singh	20
15.	CAFT Course on “Experiential Learning Andragogical Methods for Developing Entrepreneurial Human Resource”	Sept. 11 to Oct. 1, 2012	Dr. M.S. Nain	23
16.	IARI Technical Officer’s training on “Enhancing Motivation for High Job Performance”	Oct. 4-6, 2012	Dr. Premlata Singh	25
17.	Model Training Course on “Information & Communication Technology Application”	Oct. 12-19, 2012	Dr. N.V. Kumbhare	24
18.	CAFT Course on “Emerging Paradigms of competencies in context of changing Agricultural Scenario”	January 3-23, 2013	Dr. M.S. Nain	24
19.	IARI Technical Officer’s training on “Enhancing Motivation for High Job Performance”	January 7-9, 2013	Dr. Premlata Singh	22
20.	IARI Technical Officer’s training on “Enhancing Motivation for High Job Performance”	January 14-16, 2013	Dr. Premlata Singh	20
21.	IARI PG Student’s training on “Life Skills and Leadership Development”	January 29 to Feb. 1, 2013	Dr. Premlata Singh	22
22.	“सब्जियों के बीज उत्पादन द्वारा कृषि उद्यमियों का विकास” विषय पर आवासी कृषि प्रशिक्षण कार्यक्रम	25-27, 2013	Dr. Rashmi Singh	28
23.	IARI PG Student’s training on “Life Skills and Leadership Development”	May 18-22, 2013	Dr. Premlata Singh	25
24.	CAFT Course on “Advances in Methodological Paradigm and Tools in Extension Research”	Sept. 17 to Oct. 7, 2013	Dr. R.N. Padaria	25
25.	“सब्जियों के बीज उत्पादन द्वारा कृषि उद्यमियों का विकास” विषय पर आवासी कृषि प्रशिक्षण कार्यक्रम	Sept. 26-28, 2013	Dr. Rashmi Singh	25
26.	Model Training Course on “Developing Competencies of Extension Professionals in the Changing Agricultural Scenario”	November 15-22, 2013	Dr. N.V. Kumbhare	24
27.	IARI Technical Officer’s training on “Enhancing Motivation for High Job Performance”	November 21-23, 2013	Dr. Premlata Singh	17
28.	IARI Technical Officer’s training on “Enhancing Motivation for High Job Performance”	November 26-28, 2013	Dr. Premlata Singh	17



S. No.	Title	Duration	Name(s) of the Course Director and Co-ordinators	No. of Participants
29.	IARI PG Student's training On "Life Skills and Leadership Development"	January 13-17, 2014	Dr. Premlata Singh	27
30.	CAFT Course on "Innovative Approaches for Agricultural Knowledge Management"	January 14 to Feb. 3, 2014	Dr. J.P. Sharma	25
31.	IARI PG Student's training On "Life Skills and Leadership Development"	September 16-20, 2014	Dr. Premlata Singh	24
32.	CAFT Course on "Futuristic agricultural extension approaches and tools"	September 3-23, 2014	Dr. J.P. Sharma	25
33.	IARI Technical Officer's training on "Enhancing Motivation for High Job Performance"	September 22-24, 2014	Dr. Premlata Singh	26
34.	IARI Technical Officer's training on "Enhancing Motivation for High Job Performance"	September 25-27, 2014	Dr. Premlata Singh	20
35.	Model Training Course on "Extension strategies for up-scaling of farmer-led innovations"	October 9-16, 2014	Dr. M.S. Nain	20
36.	CAFT Course on "Empowering Farmers for Agricultural Entrepreneurial Ventures : Building Trainers' Skills"	Nov. 25 to Dec. 15, 2014	Dr. Rashmi Singh	20
37.	CAFT Course on "Communication and Management Tools and Approaches for Agricultural Extension"	September 02-22, 2015	Dr. V. Lenin	25
38.	CAFT Course on "Gender Analysis and Mainstreaming in Agriculture"	January 2-22, 2016	Dr. Monika Wason	22
39.	ICAR short course on "Developing agribusiness skills among farmers for maximizing income"	July 11-20, 2016	Dr. J.R. Mishra	21
40.	CAFT Course on "Information Communication Technology Mediated Agricultural Extension"	August 2-22, 2016	Dr. Satyapriya	25
41.	CAFT Course on "Enhancing Training and Teaching-Learning Competencies through Innovative Educational Methodologies and Instructional Technologies"	Nov. 30 to Dec. 20, 2016	Dr. Premlata Singh	22
<b>Total</b>				<b>887</b>

### Training Received by the Faculty Members

S. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
<b>Within the Country</b>					
1.	2008	Dr. R.N. Padaria	Advances in Human Resource Management	Dec. 3-8, 2008	IIM, Ahmedabad
2.	2009	Dr. R. Roy Burman	Workshop on Communication Research Methods	September 7-12, 2009	Indian Institute of Mass Communication, New Delhi
3.	2009	Dr. Nishi Sharma	Gender Analysis: A Methodology for Sensitization and Action	10 days	Directorate of Research on Women in Agriculture Bhubaneswar, Orissa



S. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
4.	2010	Dr. R. Roy Burman	Data Analysis using SAS	November 22-27, 2010	ICAR-IASRI, New Delhi
5.	2010	Dr. V. Sangeetha	IT-based Decision Support System for Digital Content Development” during	October 5-15, 2010	National Academy of Agricultural Research Management, Hyderabad NAARM
6.	2011	Dr. Premlata Singh	Masters Training -Climate Change, Agriculture and Gender in South Asia	November 25-26, 2011	CGIAR - Climate Change, Agriculture and Food Security, CCAFS, New Delhi
7.	2011	Dr. Premlata Singh	FDP	10 days	NITTTR, Bhopal
8.	2012	Dr. Monika Wason	Harnessing Leadership among women	February 20-24, 2012	Indian Institute of Public Administration, sponsored by Department of Science and technology, Government of India
9.	2012	Dr. Monika Wason	Institutional Innovation for Agri-Extension for inclusive Growth	August 1-7, 2012	NAARM, Hyderabad
10.	2012	Dr. V. Sangeetha	Summer School on “Advances in Educational Methodology and Instructional Technology”	July 5-25, 2012	NAARM, Hyderabad
11.	2012	Dr. V. Sangeetha	CAFT course on “Experiential Learning Andragogical Methods for Developing Entrepreneurial Human Resource”	September 11-October 01, 2012	Division of Agril. Extension, IARI, New Delhi
12.	2013	Dr. Monika Wason	Trainers training programme on “Gender Mainstreaming in eco-friendly Pest Management with special reference to storage pests,	February 20-23, 2013	Directorate of Research on Women in Agriculture, Bhubaneswar
13.	2013	Dr. Monika Wason	Science and technologies for Rural Societies for women scientists and technologists	September 2-6, 2013	Indian Institute of Public Administration, sponsored by Department of Science and technology, Government of India
14.	2013	Dr. Premlata Singh	Emotional Intelligence at the Work Place	February 4-8, 2013	Centre for Organizational Development, Hyderabad
15.	2013	Dr. V. Sangeetha	“MIS training for scientific staff”	November 11-12, 2013	IARI, New Delhi





S. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
16.	2013	Dr. J.R. Mishra	Capacity building to mainstream climate change adaptation in development	5 days	IIPA, New Delhi.
17.	2014	Dr. V. Sangeetha	Training programme on video production	November 13-15, 2014	Digital Green, New Delhi
18.	2014	Dr. Premlata Singh	Pre RMP (Research Management Position) - Training on Leadership Development	July 15-26, 2014	NAARM, Hyderabad
19.	2014	Dr. R. Roy Burman	Faculty Development Programme on E-Learning	October 8-17, 2014	ICAR-NAARM, Hyderabad
20.	2014	Dr. J.R. Mishra	CAFT training “Futuristic agricultural extension approaches and tools”	21 days	Division of Agricultural Extension, IARI, New Delhi
21.	2014	Dr. Monika Wason	Advanced Analytical Tools for Social Sciences	September 17-26, 2014	NAARM Hyderabad
22.	2015	Dr. R. Roy Burman	Capacity Building Program on Methodologies in Agriculture Extension Research	September 21-24, 2015	International Food Policy Research Institute (IFPRI), New Delhi
23.	2015	Dr. Pratibha Joshi	CAFT on “Communication and Management Tools and Approaches for Agricultural Extension”	September 2-22, 2015	IARI
24.	2015	Dr. Monika Wason	Entrepreneurship Development and Management	February 2-6, 2015	EDI Ahmadabad
25.	2015	Dr. Nishi Sharma	Refresher course on Agricultural Research Management for newly recruited senior/principal scientists of non-ARS stream	July 13-25, 2015	NAARM, Hyderabad
<b>Outside the Country</b>					
1.	2012	Dr. R.N. Padaria	Climate change adaptation	November 2-29, 2012	Purdue University US
2.	2013	Dr. R. Roy Burman	Workshop on ‘Food Value Chain Analysis’	December 4-8, 2013	IRRI, Philippines
3.	2016	Dr. M.S. Nain	Workshop on ‘Agri. Insurance Systems’	5 days	Asian Productivity Organisation (Philippines)

### Awards Conferred on the Faculty Members

S. No.	Year	Name of the Faculty Member	Name of Award Received	Institution which gave the Award
1.	2012	Dr. R.N. Padaria	IARI Best Teacher Award	ICAR-IARI, New Delhi
2.	2013	Dr. Premlata Singh	IARI Best Teacher Award	ICAR-IARI, New Delhi
3.	2013	Dr. Reshma Gills	IARI Merit Medal (M.Sc.)	ICAR-IARI, New Delhi



4.	2015	Dr. Sujit Sarkar	IARI Merit Medal (Ph.D.)	ICAR-IARI, New Delhi
5.	2016	Dr. Reshma Gills	IARI Merit Medal (Ph.D.)	ICAR-IARI, New Delhi
6.	2016	Dr. Sujit Sarkar	Jawaharlal Nehru Award	ICAR-IARI, New Delhi

### Faculty Participation in International Conference/Seminar/Assignments

S. No.	Year	Name of the Faculty Member	Name of International Conference/Seminar/Assignments	Duration	Place Visited
1.	2008	Dr. Premlata Singh	International Seminar on Strategies for Improving the Livelihood Security for Rural Poor	September 24-27, 2008	International Society of Extension Education, Goa
2.	2009	Dr. R.N. Padaria	Adoption and Socio-economic impact of Bt, cotton in India. Paper presented in the 7 <sup>th</sup> RIM PACIFIC Conference on Bt organized at NASC Complex, New Delhi during Nov. 25-28, 2009	November 25-28, 2009	NASC Complex, New Delhi
3.	2010	Dr. Premlata Singh	International Workshop on Innovative Teaching for Improved Learning	July 17-19, 2010	USAIP, University of Cornell and Illinois, USA. Organised at New Delhi
4.	2011	Dr. R.N. Padaria	International Conference on Innovative approaches for agricultural knowledge management: Global Extension experiences	November 9-12	NAAS, New Delhi
5.	2011	V. Sangeetha	International Conference on Food Security and Hunger Management	July 28-30, 2011	Vishwa Yuvak Kendra, New Delhi
6.	2011	V. Sangeetha	International Conference on “Innovative Approaches for Agriculture Knowledge Management System-Global Extension Experiences”	November 9-December 12, 2011	NASC Complex, New Delhi
7.	2011	V. Sangeetha	6 <sup>th</sup> National Extension Education Congress-2011 (NEEC) on “Emerging Models of Technology Application for Agri-rural Development”	November 26-28, 2011	ICAR Research Complex for Goa, Goa
8.	2011	Dr. R. Roy Burman	Deputed to Myanmar to develop Detailed Project Report for establishing Indo Myanmar-Advanced Centre for Agricultural Research and Education (IM-ACARE)	September 12-16, 2011	Myanmar
9.	2011	Dr. Monika Wason	International Conference on “Innovative Approaches for Agricultural Knowledge Management: Global Extension Experiences” Organised by international Society of Extension Education	November 9-12	NAAS, New Delhi
10.	2011	Dr. Nishi Sharma	International Conference on Innovative approaches for agricultural knowledge management: Global Extension experiences	November 9-12	NAAS, New Delhi



S. No.	Year	Name of the Faculty Member	Name of International Conference/Seminar/Assignments	Duration	Place Visited
11.	2011	Dr. Monika Wason	Global conference on “Women in Agriculture” organized by ICAR, from	March 13-15	NAAS Complex, New Delhi
12.	2011	V. Sangeetha	iGovernment’s 1 <sup>st</sup> conference on ICT for Development	14-15 January, 2011	India Habitat Centre, New Delhi
13.	2012	V. Sangeetha	High value Agriculture: A Gateway to Farm Prosperity. NSFI Global Agriconnect 2012 Organized by National Skills Foundation of India	November 2-4, 2012	IARI, Pusa Campus, New Delhi
14.	2012	V. Sangeetha	IARI Alumni Association’s Global Alumni meet and Shaping Human Resource for Global Competitiveness	February 18, 2012	IARI, New Delhi
15.	2012	V. Sangeetha	Global Conference on “Women in Agriculture”	March 13-15, 2012	NASC Complex, New Delhi
16.	2013	V. Sangeetha	Experience Sharing Workshop: Role of ICT In Rural Empowerment.	September 17, 2013	The India Habitat Centre, ‘Magnolia’
17.	2013	V. Sangeetha	2 <sup>nd</sup> International Conference on “Agriculture, Food Technologies and Environment - New Approaches” (AFTENA - 2013) Organized by “KrishiSanskriti”	October 19-20, 2013	Jawaharlal Nehru University, New Delhi
18.	2013	V. Sangeetha	A conference on “Future of Food Governance: Role of Technology for Food Security” organized by Governance Now	November 11, 2013	India Habitat Centre, New Delhi.
19.	2013	Dr. R. Roy Burman	Workshop on ‘Food Value Chain Analysis’ organise by IRRI, Philippines	December 4-8, 2013	Bangkok, Thailand
20.	2014	Dr. R.N. Padaria	“Insights from experience with farmers in India”. Communication Workshop On Agricultural Biotechnology. Jointly organized by International Food Information Council (IFIC) Foundation, USA; Ministry of Environment, Forests & Climate Change, Government of India; Indian Institute of Mass Communication; and Biotech Consortium India Limited, New Delhi	November 19-20, 2014	Indira Paryavaran Bhavan, Jor Bagh Road, New Delhi
21.	2014	V. Sangeetha	National Workshop on Mobile based e-Extension services in Agriculture	March 20-21, 2014	NAARM Hyderabad
22.	2014	V. Sangeetha	World Water Day-2014 Water & Energy programme organized by WTC, IARI	March 22, 2014	Water Technology Centre, IARI, New Delhi



S. No.	Year	Name of the Faculty Member	Name of International Conference/ Seminar/ Assignments	Duration	Place Visited
23.	2014	V. Sangeetha	Innovations in Indian Agriculture: Ways Forward Organized by Institute of Economic Growth and IFPRI	December 4-5, 2014	New Delhi
24.	2014	V. Sangeetha	“Processed Foods for Nutrition Security” organized by ILSI-INDIA	April 25, 2014	New Delhi
25.	2014	V. Sangeetha	South Asia Conference on “Policies and Practices to Improve Nutrition Security” organized by Coalition Food and Nutrition Security	July 30-31, 2014	New Delhi
26.	2014	V. Sangeetha	“Maximizing Systems for Improving Food and Nutrition Security” organized by NPC, India	October 16, 2014	NAAS Complex, New Delhi
27.	2014	V. Sangeetha	“Open Access to Agricultural Knowledge for Inclusive Growth and Development” (Organized by NAARM in Partnership with GFAR- FAO)	October 29-30, 2014	National Institute of Agricultural Extension Management, Hyderabad
28.	2014	Pratibha Joshi	2 <sup>nd</sup> International Conference on Occupational and Environmental Health	September 26-28, 2014	OHS-MCS & Department of Community Medicine, MAMC Delhi
29	2014	Dr. J.R. Mishra	National seminar on “an integrated approach for enhancing the productivity of rice milling industry in India”	1 day	National Productivity Council, New Delhi
30.	2014.	Dr. J.R. Mishra	National conference on “Dynamics of urban and peri urban horticulture”	1 day	PHD house New Delhi
31.	2015	Dr. J.R. Mishra	7 <sup>th</sup> Agricultural summit organized by		Assochem New Delhi
32.	2015	Dr. J.R. Mishra	Global Science Conference on “Management of sustainable livelihood systems”	4 days	OUAT Bhubaneswar, Odisha
33.	2015	Dr. J.R. Mishra	National Dialogue on “Innovative Extension Systems for Farmers ‘Empowerment and Welfare”	3 days	NASC Complex, New Delhi
34.	2015	Dr. J.R. Mishra	National Seminar on <i>Contextual Relevance of ITKs in Plant Protection</i>	2 days	IARI, New Delhi
35.	2015	Dr. J.R. Mishra	International Conference on Extension-Research interference promoting exportable rice varieties and evolving a suitable development model	3 days	IARI, New Delhi
36.	2015	Dr. J.R. Mishra	National conference on National Agricultural Market Empowering farmers and mode food inflammation	1 day	ASSOCHAM, New Delhi
37.	2015	Dr. J.R. Mishra	National Summit on Indian Chemical Industry, Challenges and Opportunities	1 day	ASSOCHAM, Delhi



S. No.	Year	Name of the Faculty Member	Name of International Conference/ Seminar/ Assignments	Duration	Place Visited
38.	2015	V. Sangeetha	Conference on “Contextual Relevance of ITKs in Plant Protection” organized by NCIPM	October 28-29, 2015	ICAR-IARI, New Delhi
39.	2015	V. Sangeetha	India Food Fortification Summit organized by Global Alliance for Improved Nutrition (GAIN)	November 27, 2015	India Habitat Centre, New Delhi
40.	2015	V. Sangeetha	National Dialogue on “Innovative Extension Systems for Farmers’ Empowerment and Welfare” organized by TAAS	December 17-19, 2015	NAAS Complex, New Delhi
41.	2015	V. Sangeetha	National Youth Convention on Attracting and Retaining Youth in Agriculture (ARYA) organized by ICAR	January 27, 2016	AP Shinde Symposium Hall, NASC Complex, New Delhi
42.	2015	Dr. Reshma Gills	National Seminar on ‘Contextual Relevance of ITKs in Plant Protection	October 28-29, 2015	New Delhi
43.	2015	Dr. Reshma Gills	Work shop entitled ‘Satellite meeting on Harmonization of Seed Movement, Regulation and Procedures’	October 28-29, 2015	New Delhi
44.	2015	Dr. Reshma Gills	Global Agri CONNECT- 2015	November 2-3, 2015	New Delhi
45.	2015	Dr. Nishi Sharma	International Congress on ‘Role of Agri-Science, Forestry, Food Technology and Participatory Natural Resource Management for Mitigation of Climate Change” (AF-Nature 2015)	February 21-22, 2015	JNU, New Delhi
46.	2015	Dr. Nishi Sharma	'International Conference on Extension -Research Interface Promoting Exportable Rice Varieties and Evolving a Sustainable Development Model'	October 16-18, 2015	IARI
47.	2016	Dr. M.S. Nain	International Conference (IESIC) 2016 on "Natural Resource Management: Ecological Perspectives" held at Sher-e-Kashmir University of Agricultural Sciences and Technology of Jammu, Jammu India	February 18-20, 2016	Jammu
48.	2016	V. Sangeetha	Fourth National Symposium on “Transforming Indian Agriculture towards Food and Nutritional Security” Organized by The Society of Agricultural Professionals	February 20-21, 2016	ICAR-IGFRI, Jhansi



## Faculty Awards and Recognition

S. No.	Year	Name of the Faculty Member	Name of the Organisation/Society Conferring Award	Nature/Description of Award
1.	2006-till date	Dr. Nishi Sharma	Journal of Community Mobilization and Sustainable Development	Editor
2.	2007	Dr. R.N. Padaria	Indian Society of Extension Education, New Delhi	K.N. Singh Memorial Award
3.	2007	Dr. Nishi Sharma	College of Home Science, GBPUA&T and Society for Community Mobilization for Sustainable Development	Best Paper Award
4.	2008	Dr. Premlata Singh	Indian Society of Extension Education, New Delhi	ISEE Fellow Award
5.	2008	Dr. Premlata Singh	Healthy Universe Foundation	Rashtriya Ekta Puraskar
6.	2008	Dr. Monika Wason	Delhi Siksha Evam Khel Vikas Sangh and Healthy Universe Foundation, New Delhi	Dr. S. Radhakrishnan memorial Award
7.	2008	Dr. Premlata Singh	Indian Society of Extension Education, Div. of Agril. Extn. IARI, New Delhi	G.S. Vidyarthi Memorial Award
8.	2009	Dr. J.P. Sharma	Grand Jury of Manthan Award South Asia on the project expert system on wheat crop management (Category E-learning)	Manthan Award - South Asia 2009
9.	2009	Dr. J.P. Sharma	For outstanding contribution for technology transfer in the field of agriculture by IARI, New Delhi	Outstanding Contribution Award
10.	2009	Dr. J.P. Sharma	Indian Society of Extension Education, New Delhi on the occasion of National Seminar from December 29-30, 2010 organised at IVRI, Izatnagar.	Dr. G.S. Vidyarthi Award
11.	2009	Dr. J.P. Sharma	Society for Community Mobilization for Sustainable Development, New Delhi and CIRG, Farah, Makhdoom (UP)	Best Community Mobilizer Award
12.	2009	Dr. Monika Wason	Indian Society of Extension Education	Best Paper Presentation Award
13.	2009	Dr. Monika Wason	Indian Society of Extension Education	Appreciation Award
14.	2009	Dr. Nishi Sharma	for the paper entitled "Cellphone- An ICT tool for knowledge empowerment for rural development and profitable agriculture" during the National Seminar by Indian Society of Extension Education and IVRI, Izatnagar	Best Paper Award
15.	2009	Dr. Nishi Sharma	Indian Society of Extension Education (ISEE)	Executive Councilor (North Zone)
16.	2009	Dr. Nishi Sharma	For organisation of National Seminar on "Enhancing efficiency of Extension for sustainable agriculture and livestock production" organized by Indian Society of Extension Education and IVRI, Izzatnagar from 29-30 December, 2009	Appreciation Award
17.	2010	Dr. Premlata Singh	Indian Society of Extension Education (ISEE)	Chief Editor Indian Journal of Extension Education



S. No.	Year	Name of the Faculty Member	Name of the Organisation/Society Conferring Award	Nature/Description of Award
18.	2010	Dr. Nishi Sharma	Cash award for 'Hindi Vocabulary' competition during ' <i>Hindi Chetna mas</i> by IARI	
19.	2011	Dr. R. Roy Burman	Mobilization (Society of Community Mobilization for Sustainable Development), New Delhi	Young Professional Award
20.	2011	Dr. R. Roy Burman	Society of Extension Education, Agra	S.N. Bhela Extension Professional Award
21.	2011	Dr. J.P. Sharma	Society for Community Mobilization for Sustainable Development, New Delhi	Shanti Prasad Goel Memorial Award
22.	2011	Dr. J.P. Sharma	Young Farmers Association of Punjab, Patiala	Best Scientist Award
23.	2011	Dr. J.P. Sharma	SADHNA, Dr. Y.S. Parmar university of Horticulture & Forestry, Nauni, Solan, H.P.	Achiever Award
24.	2011	Dr. Monika Wason	International Society of Extension Education	Appreciation Award
25.	2011	Dr. Nishi Sharma	National Seminar on Multi Sectoral Innovations for Rural Prosperity held from 19-21 May, 2011 at National Dairy Research Institute (NDRI), Karnal, Haryana	Fellow Mobilization
26.	2011	Dr. Nishi Sharma	National Seminar on Multi Sectoral Innovations for Rural Prosperity held from 19-21 May, 2011 at National Dairy Research Institute (NDRI), Karnal, Haryana	National - Co-coordinator
27.	2012	Dr. Monika Wason	Global conference on "Women in Agriculture" organized by ICAR	Appreciation Award
28.	2012	Dr. R.N. Padaria	Global Conference on Women in Agriculture, APAARI	Appreciation Certificate
29.	2012	Dr. R.N. Padaria	Indian Society of Extension Education (ISEE)	Chief Editor
30.	2012	Dr. Nishi Sharma	National Seminar on "Emerging Challenges for Sustainable Agri-rural Development" held from 18-20 December, 2012 at Dr. Y. S. Parmar University of Horticulture and Forestry, Nauni, Solan, H.P.	Best Paper Award
31.	2013	Dr. J.P. Sharma	DG ICAR for Outstanding contribution in research on sustainable rural livelihood security under NAIP sub-project on "Livelihood & nutritional security of tribal dominated areas through integrated farming system and technology models	Appreciation Award
32.	2014	Dr. R. Roy Burman	7th National Extension Education Congress, organised by Society of Extension Education, Agra from November 8-11, 2014 at ICAR Research Complex for NEH Region, Umiam	Best Paper Award
33.	2014	Dr. Premlata Singh	DBT Task Force Member on Biotechnology based program for Women	DBT, GOI
34.	2015	Dr. R.N. Padaria	Indian Society of Extension Education, New Delhi	Prof. Y.P. Singh Memorial Award
35.	2015	Dr. Premlata Singh	Indian Society of Extension Education, New Delhi	Y. P. Singh Memorial Award
36.	2015	Dr. Reshma Gills	National Seminar on Contextual Relevance of ITKs in Plant Protection during 28-29 October, 2015 at IARI, New Delhi	Best Paper Presentation Award



S. No.	Year	Name of the Faculty Member	Name of the Organisation/Society Conferring Award	Nature/Description of Award
37.	2015	Dr. Monika Wason	Indian Society of Extension Education	ISEE Fellow Award
38.	2015	Pratibha Joshi	National seminar on Contextual Relevance of ITKs in Plant Protection	Appreciation Award
39.	2015	Dr. Satyapriya	Indian Society of Extension Education, New Delhi	Young Scientist Award
40.	2015	Dr. Premlata Singh	Member, Screening Committee-NT-ICAR, International Fellowship	ICAR
41.	2015	Dr. R. Roy Burman	Mobilization (Society of Community Mobilization for Sustainable Development), New Delhi	Fellow Mobilization
42.	2015	Dr. R. Roy Burman	7th National Seminar on "Sustainable Rural Livelihood: Technological and Institutional Perspective by Mobilization, New Delhi at SKUAST-J, from January 8-10, 2015	Best Paper Award
43.	2015	Dr. R. Roy Burman	7th National Seminar on "Sustainable Rural Livelihood: Technological and Institutional Perspective by Mobilization, New Delhi at SKUAST-J, from January 8-10, 2015	Best Paper Award
44.	2016	Dr. Premlata Singh	External standing -cum-screening committee	DBT, GOI
45.	2016	Dr. R. Roy Burman	Fourth National Symposium on Transforming Indian Agriculture towards Food and Nutritional Security organized by The Society of Agricultural Professionals, CSAUA&T, Kanpur, ICAR-IGFRI, Jhansi, and Range Management Society of India, Jhansi, at ICAR-IAFRS, Jhansi from February 20-21, 2016	Best Poster Award
46.	2016	Dr. R. Roy Burman	International Conference on "Climate Change Adaptation and Biodiversity: Ecological Sustainability and Resource Management for Livelihood Security organised by Andaman Science Association, Port Blair, A & N Islands from December 8 - 10, 2016	Best Paper Award
47.	2016	Dr. Premlata Singh	School Co-ordinator, Social Sciences	IARI
48.	2016	Dr. Premlata Singh	Panellist & resource person invited Speaker by International organization IFPRI, TARINA	IFPRI, TARINA, DBT, GOI
49.	2016	Dr. Rashmi Singh	Indian Society of Extension Education, New Delhi	Y. P. Singh Memorial Award
50.	2016	Dr. Reshma Gills	IARI, New Delhi	IARI Merit Gold Medal
51.	2016	Dr. Satyapriya	Team Award	ICAR- IGFRI, Jhansi
52.	2016	Dr. Satyapriya	Indian Society of Extension Education, New Delhi	Fellow Award, ISEE
53.	2015	Dr. Reshma Gills	National Seminar on Contextual Relevance of ITKs in Plant Protection during 28-29 October, 2015 at IARI, New Delhi	Best Paper Presentation Award
54.	2015	Dr. Reshma Gills	Inducted as Faculty member	IARI, New Delhi
55.	2015	Dr. Reshma Gills	Satellite meeting on Harmonization of Seed Movement, Regulation and Procedures on 27-28 November, 2015 organized by CABI South Asia	Rapporteur





S. No.	Year	Name of the Faculty Member	Name of the Organisation/Society Conferring Award	Nature/Description of Award
56.	2015	Dr. Reshma Gills	Compendium in National Seminar on Contextual Relevance of ITKs in Plant Protection during 28-29 October, 2015 at IARI, New Delhi	Editorial board member
57.	2015	Dr. Reshma Gills	Indian Journal of Extension Education Vol. 51 no 3 and 4. 2015	Editorial board member

### List of Publications Faculty and Students

S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
1.	Dana S.S., Padaria, R.N. Padaria and Chamak Majumdar	2007	Impact of Brakish Water Fish Farmers Development Agency in Promoting Crab Culture	<i>Indian Journal of Extension Education</i> 43(1&2)	5.32	-
2.	Joseph R. and Padaria R.N. Padaria	2007	Impact of KVK's Maize Production Training Programme on Farmers' Knowledge and Adoption Level	<i>Indian Journal of Extension Education</i> 43(1&2)	5.32	-
3.	Kalimuthu, K., Anita Jhamtani and R.N. Padaria	2007	Marketing behavior of Glory lily cultivators in Tamilnadu	<i>Indian Journal of Extension Education</i> 43(1&2)	5.32	-
4.	Kumar, G.A.K. and Wason, M.	2007	Improving Rice Productivity in Orissa: A case of Rice Development Scheme	<i>Indian Journal of Extension Education India</i> 43(1&2)	5.32	-
5.	Padaria, R.N. and V.K. Singh	2007	Participatory assessment of Managing alternate bearing in mango with application of paclobutrazol	<i>Indian Journal of Extension Education</i> 43(1&2)	5.32	-
6.	Singh, Baldeo, Suvedi Murari, Vijayragavan K., Padaria, R.N. and M. Wason	2007	Impact of evaluation capacity building programme of IARI	<i>Indian Journal of Extension Education</i> 43(1&2)	5.32.	-
7.	Singh, P. and Wason, M.	2007	Impact Assessment of Agricultural Technology Information Centre of IARI	<i>Indian Journal of Extension Education</i> 43(1&2): 41-45	5.32	-
8.	Singh, P., Jhamtani, A. and Sharma, N.	2007	Socio-Psychological and Work Profile of Beneficiaries of Selected Developmental Programmes for Rural Women	<i>Journal of Community Mobilization &amp; Sustainable Development</i> 1(1): 80-84	5.30	-
9.	Letha Devi, Vijayraghavan and Premlata Singh	2008	Change in Livelihood Security of Rural Women in Kerala	<i>Indian Journal of Extension of Extension Education</i> 44(3&4): 82-85	5.32	-
10.	Nath, D., Kumar, Manoj and Roy Burman, R.	2008	Problems and Prospects: A Case Study	<i>Journal of Interacademia</i> 12 India 3: 379-286	3.96	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
11.	Padaria, R.N., Singh, B., Padaria, J.C., Meena, M.S. and Pankaj	2008	Farmer participatory assessment of Bt. cotton and its socio-economic implications	<i>Indian Journal of Extension Education</i> 44(1&2)	5.32	-
12.	Roy Burman, R.	2008	ICT led Agricultural Extension in India: Issues and Opportunities	<i>Journal of Global Communication</i> 1: 68-75	4.50	-
13.	Roy Burman, R., Singh, S.K. and Singh, A.K.	2008	Sustainability of Pulse based Cropping Systems in Uttar Pradesh	<i>Journal of Food Legumes</i> 2: 140-142	4.97	-
14.	Roy Burman, R., Singh, S.K., Singh, Lakhan and Singh, A.K.	2008	Extension Strategies for Increasing Pulses Production for Evergreen Revolution	<i>Indian Research Journal of Extension Education</i> 8(1): 5-8	4.81	-
15.	Sharma, J.P., Premlata Singh, Nishi Sharma, Anil Gupta and C.B. Singh	2008	Farm advisory services of Agricultural Technology Information Centre (IARI)	<i>Journal of Community mobilization and sustainable development</i> vol 3 Issue II	5.3	-
16.	Sharma, N., Premlata Singh and Anita Jhamtani	2008	Employment Status of Agricultural Labourers	<i>Indian Research Journal of Extension Education</i> 44 (1&2)	5.32	-
17.	Shobha, Surya Rathore and Pratibha Joshi	2008	An assessment of television viewing behaviour of homemakers	<i>J. of Communication Studies</i> 26 (1)	2.89	-
18.	Singh, P., Ruchi, Rahul and Jogender Singh	2008	Perceived Attributes of Drudgery Reducing Implements In Animal Husbandry	<i>Indian Journal of Extension Education</i> 44(3&4): 86-92	5.32.	-
19.	Vijayaragavan, K., Singh, P. and Wason, M.	2008	Trainings needs of Extension Managers in managerial skills and practices	<i>Indian Journal of Extension Education</i> 44(1&2): 32-36	5.32	-
20.	Jagganathan, D., Ram Bahal and Padaria, R.N	2009	Prospects of organic farming in India: An appraisal	<i>Journal of Global Communication</i> 1(2): 181-193	4.50	-
21.	Kumar, A. and Premlata Singh	2009	Perceived Constraints of Contract Farmers And Apprehensions of Non-Contract Farmers In Tamil Nadu. Pusa Agriscience	<i>Indian Journal of Extension Education</i> 32: 75-78	3.2	-
22.	Manikanahiya, CY; Anita Jhamtani; Padaria, R.N., Lata Devi G; and V.K. Yadav	2009	Value-orientation of entrepreneurs: a critical analysis	<i>Indian Journal of Extension Education</i> 45(3&4): 8-73	5.32	-
23.	Padaria, R.N., Baldeo Singh, Jitendra Kumar, B.M. Sharma and M. Pathak	2009	Farmers' participatory validation of indigenous technology in agriculture	<i>Indian Journal of Extension Education</i> (1&2): 1-9	5.32	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
24.	Padaria, R.N., Baldeo Singh, N. Sivaramane, Yaswant K. Naik, Ravi Modi and S. Surya	2009	A logit analysis of Bt cotton adoption and assessment of farmers' training need	<i>Indian Journal of Extension Education</i> 9(2): 39-45	4.81	-
25.	Roy Burman, R. and Singh, S.K.	2009	Farmer participatory varietal Selection of Pulses in Bundelkhand	<i>Agricultural Extension Review</i> 21(4): 20-24	-	-
26.	Roy Burman, R., Srivastava, A.K. and Ramani, S.	2009	Adoption of Improved Potato Production Technologies in Meghalaya	<i>Agricultural Extension Review</i> 21(4): 10-13	-	-
27.	Sajesh. V.K and Premlata, Singh	2009	Adoption of Improved Potato Production Technologies in Meghalaya	<i>Agricultural Extension Review</i> 21(4): 10-13	-	-
28.	Sajesh, V.K and Premlata, Singh	2009	Perceived Constraints of Shg Members In Kerala	<i>Indian Journal of Extension Education</i> 45(3 &4): 11-15	5.32	-
29.	Singh, A.K., Jitendra Chauhan, Lakhan, Singh and R. Roy Burman		Future Extension Education Perspective in India	<i>Indian Journal of Extension Education</i> 9(3): 9-14	4.81	-
30.	Singh, P. and Nishi Sharma	2009	Development Programs For Rural Women: Differential Perception of Proper Functionaries and Beneficial	<i>Journal of Community Mobilisation and Sustainable Development</i>	5.30	-
31.	Sreeralan, S., Baldeo Singh, Vijayaragavan K. and Padaria, R.N.	2009	Analysis of direct and indirect effects of factors on agri-business management behaviour of farmers	<i>Indian Journal of Extension Education</i> (1&2): 59-61	5.32	-
32.	Surya, S., Padaria, R.N., Baldeo Singh, Leela Ram and Pankaj	2009	Perception of farmers, extension workers and scientists about Bt. Cotton and related bio-safety concerns	<i>Indian Journal of Extension Education</i> 45 (3&4)	5.32	-
33.	Vijayaragavan, K., Singh Premlata and Wason Monika	2009	Designing and Validation of Training Modules for Improving Management Skills of Extension Professionals in The Changing Context of Education	<i>Indian Journal of Extension Education</i> 45(1&2): 1-9	5.32	-
34.	Wason, M. and Seth M.	2009	Gender analysis of time utilisation pattern of farm families	<i>Journal of Community Mobilization and Sustainable Development</i> 4(1): 27-33	5.30	-
35.	Wason, Monika, Padaria R.N., Singh Baldeo and Kumar A.	2009	Farmers perception and propensity for adoption of integrated pest management practices in vegetable cultivation	<i>Indian Journal of Extension Education</i> 45(3&4): 1-9	5.32	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
36.	Bhalerao, A., J.P. Sharma, Dum Rao and Premlata Singh	2010	Assessment of extent of value addition in banana	<i>Journal of Community Mobilization and Sustainable Development</i> 5(1): 81-85	5.30	-
37.	Helan, S., Premlata Singh and K. Vijayaragavan	2010	Constraints of linkages among University research, extension and farmers in India and ethopia: a critical analysis	<i>Indian Journal of Extension Education</i> 46(3&4): 11-15	5.32	-
38.	Kumar, A.S. and Premlata Singh	2010	Exploratory study on the motivational factors of contract farming	<i>Indian Journal of Extension Education</i> 46(1&2): 26-30	5.32	-
39.	Pandey, S., Meena B.S., Sharma Purushottam, Satyapriya, Singh M. and Dwivedi R.N.	2010	Effectiveness of serrated sickle (Naveen sickle) for farm women in harvesting food, feed and fodder crops	<i>Range Mgmt. and Agroforestry</i> B: 157-158	6.39	-
40.	Roy Burman, R., Lakhn Singh and Singh, A.K.	2010	Analysis of linkage mechanism of Krishivigyan Kendra	<i>Journal of Community Mobilization and Sustainable Development</i> 5(1): 28-33	5.30	-
41.	Roy Burman, R., Singh, S.K. and Singh, A.K.	2010	Gap in adoption of improved pulse production technologies in Uttar Pradesh	<i>Indian Res. J. Ext. Education</i> 10(1): 99-104	4.81	-
42.	Sangeetha V. Ram Bahal, Premlata Singh, Promod Kumar and Venkatesh P.	2010	Facilitating And Hindering Factors For Success of Self Help Groups	<i>Journal of Community Mobilization and Sustainable Development</i> 5(2): 11-14	5.30	-
43.	Sarkar, S. and Padaria, R.N.	2010	Farmers' Awareness and Risk Perception about Climate Change in Coastal Ecosystem of West Bengal	<i>Indian Research Journal of Extension Education</i> 12(2)	5.30	-
44.	Sarkar, S., Padaria, R.N., N. Sivaramane and K. Vijayaragavan	2010	Assessment of farmers' vulnerability and adaptation to climate change in Sunderban Ecosystem	<i>Indian Journal of Extension Education</i> 46(3&4)	5.32	-
45.	Sharma, P., Pandey Sadhna, Satyapriya, Biradar N. and Radotra	2010	Livestock ownership and their performance in arid ecosystem	<i>Range Mgmt. and Agroforestry</i> (B): 246-247	6.39	-
46.	Singh, M., Satyapriya, Sharma Purushottam, Pandey Sadhna and Upadhyay J.P.	2010	Extent of knowledge, skill and adoption of forage crops by the farmers in the disadvantaged region of Bundelkhand	<i>Range Mgmt. &amp; Agroforestry</i> (B): 161-162	6.39	-
47.	Vimal Raj, G., Rashmi Singh and K. Vijayaragavan	2010	Extent of Adoption of Best Practices by Award Winning Agripreneurs of Tamil Nadu	<i>Journal of Community Mobilization for Sustainable Development</i> V(2)	5.30	-



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48.	Singh, V.K., Singh H.V., Satyapriya and Singh Permendra	2010	First report of root-knot nematode caused by Meloidogyne incognita infecting berseem in J&K, India	<i>Range Mgmt. &amp; Agroforestry</i>	6.39	-
49.	Biswas, A., Baldeo Singh and Premlata Singh	2011	Socio-Economic Impact of Contract Farming	<i>Indian Journal of Extension Education</i> 47(3&4): 20-25	5.32	-
50.	Jha, G.K., Burman, R. R., Dubey, S.K. and Singh, Gajab	2011	Yield Gap Analysis of Major Oilseeds in India	<i>Journal of Community Mobilization and Sustainable Development</i> 6(2): 209-216	5.30	-
51.	Joshi, P. and Sharma, P.	2011	Unlocking the gate: the internet generation	<i>Journal of communication studies</i> 29(2): 70-77	2.89	-
52.	Kumar, Mukesh, Srinivas K., Joshi Pratibha and Bisht K.K.S.	2011	Krishk Help Line Seva: An Effective ICT Tool for Dissemination the Agricultural	<i>Information Journal of Communication Studies</i> 29(1): 183-191	-	-
53.	Kumbhare, N.V., Padaria, R.N. and V.K. Chaturvedi	2011	Household Food Security under Changing Agricultural Scenario	<i>International Journal of Extension Education</i> 7: 61-65	-	-
54.	Mukherjee, Anirban, Ram Bahal, R. Roy Burman, S.K. Dubey and G.K. Jha		Effectiveness of Tata Kisan Sansar in Technology Advisory and Delivery Services in Uttar Pradesh	<i>Indian Res. J. Ext. Edu.</i> 11(3): 8-13	4.81	-
55.	Nag, A., Rashmi Singh, R. Roy Burman	2011	Changes in Technology Use of Rice Cultivation in Low and High Rice Productive Districts of West Bengal	<i>Journal of Community Mobilization for Sustainable Development</i> 6(1): 006-010	5.30	
56.	Naryanan, Premlata Singh, K.Vijayragavan, D.U.M., Rao, V.C. Mathur and Seema Jaggi	2011	Profile of self help Micro-Entrepreneurs under Swarna Jayanti Swarozgar Yojana in Tamil Nadu	<i>Pusa Agri. Science</i> 34: 100-107	-	-
57.	Sajesh, V.K., P., Ramasundaram and Premlata Singh	2011	Impact of self help groups on Empowerment of Rural Women: A Case of Kudumbasree Programme In Kerala	<i>Indian Journal of Extension Education</i> 47(3&4): 14-19	5.32	-
58.	Singh, N.P., R.P. Singh, Ranjit Kumar, Padaria, R.N., Alka Singh and Nisha Varghese	2011	Farm level impacts and determinats of labour outmigration in Indo-Gangetic Plains of India	<i>Indian Journal of Agricultural Economics</i> 66(1): 127-138	5.15	-
59.	Singh, N.P., R.P. Singh, Ranjit Kumar, Padaria, R.N., Alka Singh and Nisha Varghese	2011	Labour migration in Indo-Gangetic Plains: Determinnats and Impacts on Socio-economic welfare	<i>Agricultural Economics Research Review</i> 24: 449-458	5.90	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
60.	Singh, P., Joginder Singh and Rahul	2011	Drudgery Reduction of Farm Women: An Ergonomic Assessment of Improved Agricultural Tool and Implements	<i>Indian Journal of Extension Education</i> 47(1 &2): 34:38	5.32	-
61.	Venkatesh, P. and V. Sangeetha	2011	Milk Production and Resource use Efficiency in Madurai District of Tamil Nadu: An Economic Analysis	<i>Journal of Community Mobilization and Sustainable Development</i> 6(1): 25-30	5.30	-
62.	Vishnugauda, J.P. Sharma and Premlata Singh	2011	Technological Gap in Pomegranate Cultivation	<i>Indian Journal of Extension Education</i> 47(3&4): 26-32	-	-
63.	Chaudhary, R.P., R.R. Burman, R. Prasad, Rakesh Pandey, A.K. Chaturvedi and G.K. Choudhary	2012	Knowledge Level and Adoption of Production Technology of Wheat	<i>Journal of Community Mobilization and Sustainable Development.</i> 8(1), Jan.-Jun 2013: 161-164	5.30	-
64.	Dubey, S.K., R.R. Burman, K. Vijayaragavan, J.P. Sharma, Ishwari Singh, V. Sangeetha and H.S. Gupta	2012	Linking research institute with post offices for dissemination of agricultural technologies an action research	<i>Indian Journal of Agricultural Sciences</i> 82(12): 105967	6.17	-
65.	Gondkar, S., B.K. Singh and N.V. Kumbhare	2012	Entrepreneurial Characteristics of Protected Cultivation Entrepreneurs in Pune District (Maharashtra)	<i>Indian Journal of Extension Education</i> 48(1&2): 91-94	5.32	-
66.	Gurjar, L. and Padaria, R.N.	2012	Farmers' perception and constraints in adoption of BT cotton technology	<i>Journal of Community Mobilization and Sustainable Development</i> 7(1)	-	-
67.	Gurjar, L.R. and R.N. Padaria	2012	Extent of adoption and information source associated with adoption of Bt. Cotton	<i>Progressive Research</i> 7 (Special): 32-36	3.84	-
68.	Jaganathan, Ram Bahal, R. Roy Burman and V. Lenin	2012	Knowledge Level of Farmers on Organic Farming in Tamil Nadu	<i>Indian Res. J. Ext. Education</i> 12(3): 70-73	5.30	-
69.	Kumar, P. and M.S. Nain	2012	Technology use pattern and constraint analysis of farmers in Jammu district of Jammu and Kashmir state of India	<i>Journal of Community Mobilization and Sustainable Development</i> 7(2): 165-170	5.30	-
70.	Kumar, P. and M.S. Nain and Peshin R.	2012	Changing face of agricultural extension: from a P to 4Ps-A review	<i>Agricultural Reviews</i> 33(2): 170-174	4.37	-



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71.	Kumbhare, N.V., Anil Kumar, K. Singh and S. Chowdhury	2012	Micro Analysis of Yield Gap and Associated Constraints in adoption of Wheat Production Technologies in Bihar	<i>Indian Journal of Extension Education</i> 48(3&4): 22-25	5.32	-
72.	Kumbhare, N.V., B.S. Hansara L.B. Kalantri and J.P. Sharma	2012	Household Food Security under Changing Socio Economic Environment in Vidarbha Region	<i>Journal of Community Mobilization and Sustainable Development</i> 7(1): 127-130	5.30	-
73.	Lenin, V., Singh, B. and Vijayaragavan, K.	2012	Coordination among agencies delivering extension services under Agricultural Technology Management Agency	<i>Journal of Agricultural Extension Management</i> 13(2): 41-58	2.29	-
74.	Mukherjee, A., Ram Bahal, R. Roy Burman and S.K. Dubey	2012	Factors Contributing Farmers' Association in Tata Kisan Sansar: A Critical Analysis	<i>Indian Res. J. Ext. Education</i> 12(2): 81-86	4.81	-
75.	Nag, A., Rashmi Singh, R. Roy Burman and Bagish Kumar	2012	Use of Rice Cultivation Technology in High and Low Rice Productive Districts of West Bengal: Constraints Analysis	<i>Environment &amp; Ecology</i> 30(3B): 910-915	4.18	-
76.	Nain, M.S., Rashmi Singh, K. Vijayraghavan and A.K. Vyas	2012	Participatory linkage of farmers, technology and agricultural researchers for improved wheat production in national capital region of India	<i>African Journal of Agricultural Research</i> 7(37): 5198-5207	-	-
77.	Raju, J.P. Sharma, Premlata Singh and R.N. Padaria	2012	Socio Economic Impact of Watershed Development	<i>Journal of Community Mobilization and Sustainable Development</i>	5.30	-
78.	Rohit, J., B.K. Singh, N.V., Kumbhare and S.K. Dubey	2012	Production Dynamics and Factors Affecting Peri-Urban Agriculture	<i>Indian Journal of Extension Education</i> 48(1&2): 17-20	5.32	-
79.	Roy Burman, R., Dubey, S.K., Jha, Girish Kumar, Singh, Gajab and Sharma, Manoj Kum	2012	Analysis of production gap, marketing and processing status and associated constraints for major oil seeds in the state of Rajasthan and Gujarat	<i>Journal of Community Mobilization and Sustainable Development</i> 7(2): 198-209	5.30	-
80.	Sangeetha, V., Monika Wason, Premlata Singh, R.N. Padaria, Nishi Sharma and Vijay Babu	2012	Impact Assessment of Self Help Groups on Empowerment of Rural Women in Andhra Pradesh	<i>Journal of Community Mobilization and Sustainable Development</i> 7(1): 75-79	5.30	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
81.	Sangeetha, V., Premlata Singh and P. Venkatesh	2012	Behavioral Change of Self Help Group (SHG) members- An effort by Non-Governmental Organization (NGO)	<i>Madras Agricultural Journal</i> 99(10-12): 882-886	3.98	-
82.	Sangeetha, V. S.V. Prasad and P. Venkatesh	2012	A study on problems encountered by cotton growers	<i>Bioinfolet</i> 9(2): 150-151	3.75	-
83.	Sarkar, S., Padaria, R.N. and A. Chudhury	2012	Farmers' perception and attitude toward climate change in Coastal Ecosystem of West Bengal	<i>Indian Research Journal of Extension Education</i> 12(2)	4.81	-
84.	Slathia P.S., Paul N. Nain M.S., Nanda R. and Peshin R	2012	Credibility crisis among Agriculture Extension Functionaries in J&K	<i>Indian Journal of Extension Education</i> 48(1&2): 68-73	5.32	-
85.	Sharma, J.P., Nishi Sharma, Shantanu Kumar Dubey, R.R. Burman, Shashi Gupta and Ram Jiyawan	2012	Evaluating Capacity Building programme for Livelihood and micro-Enterprise Development	<i>Journal of Community Mobilization and Sustainable Development</i> 7(1): 7-1	5.0	-
86.	Venkatesh, P. Sangeetha, V. C. Sundaramoorthy, R. Sendhil and Lijo Thomas		A study on economics of milk products in Maduri district of Tamil Nadu	<i>Bioinfolet</i> 9(3): 298	3.75	-
87.	Bishnoi, R., Premlata Singh and V. Sangeetha	2013	Awareness Assessment of Men and Women Farmers about Climate Change in Arid Ecosystem	<i>Pusa AgrScience</i> 36: 54-57	-	-
88.	Gills, R. and J.P. Sharma	2013	Food Security Bill: A Tool for Right to Live/Liability	<i>International Journal of Agriculture and Food Science Technology</i> 4(7): 713-720	-	-
89.	Kumbhare, N.V., B.S. Hansra, L.B. Kalantri, P.K. Jain and R.N. Padaria	2013	Dimension of household food security in Vidarbha region of Maharashtra, India	<i>African Journal of Agricultural Research</i> 8(26): 3348-3355	-	-
90.	Lenin, V., Singh, B., Kumar, P. and Vijayaragavan, K.	2013	Agricultural extension in India – the effectiveness of the Agricultural Technology Management Agency	<i>Outlook on Agriculture</i> 42(1): 65-71	6.44	-
91.	Manjunatha, B.L., DUM Rao, MB Dastagiri, J.P. Sharma and R.R. Burman	2013	The Legal Protection of Public and Private Plant Varieties in India: A Comparative Analysis	<i>Bioremediation and Biodegradation</i> 4(7): 1-5	-	-





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92.	Nag, A., Rashmi Singh, R. Roy Burman and Bitan Mondal	2013	Factors responsible for rice cultivation technology use in Burdwan district of W.B.	<i>Indian J. Agric. Res.</i> 47(4): 329-334	4.86	-
93.	Patil, Sridhar, V. Ravinder Naik and R.N. Padaria	2013	Adoption of improved dairy farming practices in South-West Delhi district	<i>Journal of Community Mobilization and Sustainable Development</i> 8(1): 69-72	5.30	-
94.	Paul, S., Vijayaragavan, K. and Singh, P.	2013	Development of a scale to measure quality orientation of Agricultural Scientists	<i>Journal of Community Mobilization and Sustainable Development</i> 8(1): 73-77	5.30	-
95.	Paul, S., Vijayaragavan, K. and Singh, P.	2013	A scale to measure time use efficiency of Agricultural Scientists	<i>Indian Research Journal of Extension Education</i> 13(3): 43-46	4.81	-
96.	Roy Burman, R., S.K. Dubey, J.P. Sharma, K. Vijayaragavan, V. Sangeetha and Ishwari Singh	2013	Information dynamics for designing cyber extension model for agricultural development	<i>Journal of Community Mobilization and Sustainable Development</i> 8(2): 182-185	5.30	-
97.	Sangeetha, V., J.P. Sharma, R.R. Burman and V. Lenin	2013	Food Security Vs Nutritional Security– Need for Multi-sectoral Convergence	<i>International Journal of Agriculture and Food Science Technology</i> 4(6): 621-625	-	-
98.	Sangeetha, V., Ram Bahal, Premlata Singh and P. Venkatesh.	2013	Impact Assessment of Non-government Organization led self help groups on Empowerment of Rural Women in South India	<i>Outlook on Agriculture</i> 42(1): 59-63	6.44	-
99.	Sangeetha, V., S.V. Prasad and P. Venkatesh.	2013	Training needs of cotton growers of Madurai District of Tamil Nadu	<i>Andhra Agricultural Journal</i> 60(2): 461-465	4.14	-
100.	Venkatesh, P., R. Sendhil and V. Sangeetha	2013	Implications of National Food Security Ordinance (NFSO)	<i>International Journal of Agriculture and Food Science Technology</i> 4(6): 627-634	-	-
101.	Vishnugouda, J.P. Sharma and Premlata Singh		Constraints involved in Post-harvest management, marketing and export of pomegranates	<i>Asian Journal of Extension Education</i> 30: 43-46	3.70	-
102.	Afroz, S., Rashmi Singh, R.R. Burman, Sangeetha V. and Rajender Prasad	2014	An Innovative Participatory Video for Agricultural Information Dissemination: A case of Digital Green	<i>Journal of Community Mobilization and Sustainable Development</i> 9(1): 75-79	5.30	-
103.	Das, L., M.S. Nain, Rashmi Singh and R. Roy Burman	2014	Constraints in Marketing of Fruits as Perceived by the Fruit Growers and NERAMAC in Assam	<i>Journal of Community Mobilization and Sustainable Development</i>	5.30	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
104.	Gajbhiye, R., M.S. Nain, Premlata Singh, S.K. Dubey and J.P. Sharma	2014	Comparative Assessment of Seed Delivery System in Patiala District of Punjab	<i>Journal of Community Mobilization and Sustainable Development</i> 9(2): 129-133	5.30	-
105.	Kumbhare, N.V., B.S. Hansara, L.B. Kalantri and R.N. Padaria	2014	Household Food Security in Vidarbha Region of Maharashtra, India	<i>International Journal of Extension Education</i> 10: 168-175	4.15	-
106.	Kumbhare, N.V., S.K. Dubey, M.S. Nain and Ram Bahal	2014	Micro Analysis of Yield Gap and Profitability in Pulses and Cereals	<i>Legume Research</i> 37(5): 532-536	6.15	-
107.	M.S. Nain, S.K. Dubey, N.V. Kumbhare and Ram Bahal	2014	Adoption gap as the determinant of Instability in Indian legume production	<i>Journal of Food Legumes</i> 27(2): 146-150	4.97	-
108.	Naik, V. Ravinder and R.N. Padaria	2014	Attitude of farmers towards ICT based extension services	<i>Joinfolet Quarterly Magazine</i> 11(2): 667-669		-
109.	Nain, M.S., N.V. Kumbhare, V.P.C. and J.P. Sharma	2014	Status, Adoption Gap and way forward of Pulse Production in India	<i>Research on Crops Journal</i> 15(1): March	5.00	-
110.	S.K. Dubey, R.R. Burman, J.P. Sharma, K. Vijayaragavan, V. Sangeetha, Ishwari Singh and H.S. Gupta	2014	Can post offices of rural India be the driver for agricultural technology dissemination? Experiences of action research	<i>Current Science</i> 107(2): 25	6.97	-
111.	Sahu, S., J.P. Sharma, R.R. Burman, Premlata Singh, N.V. Kumbhare and Eldho Verghese	2014	Factors Contributing to Success and Sustainability of Farms Produce Promotion Society (FAPRO)	<i>Journal of Community Mobilization and Sustainable Development</i> 9(2): 210-213	5.30	-
112.	Sangeeta Upadhyay, J.P. Sharma and Tulsi Bhardwaj	2014	Knowledge Level of Farmers about Integrated Pest Management Practices	<i>Journal of Community Mobilization and Sustainable Development</i> 9(1): 01-05	5.30	-
113.	Sharma, N., Monika Wason, Premlata Singh, R.N. Padaria, V., Sangeetha and Narender Kumar	2014	Assessing Effectiveness of SHGs in Improving Livelihood Security and Gender Empowerment	<i>Economic Affairs: Special Issue</i> 59(4): 47-56	4.82	-
114.	Singh, M., R. Roy Burman, J.P. Sharma, V. Sangeetha and M.A. Iquebal	2014	Structural and Functional Mechanism of Mobile Based Agro-advisory Services and Socio-Economic Profile of the Member Farmers	<i>Journal of Community Mobilization and Sustainable Development</i> 9(2): 192-199	5.30	-
115.	Singh, R., Nain M.S., Sharma J.P., Mishra J.R., Burman R.R. and Anjani Kumar	2014	Institutional Convergence of Synergistic Strength for Developing Women Agripreneurs	<i>Indian Journal of Extension Education</i> 50(3&4)	5.32	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
116.	Slathia, P.S., M.S. Nain, J.P. Sharma, Liaqat Ali, V.P. Chahal and Rakesh Kumar	2014	NGO in Socioeconomic Development of Rural Women: A Case Study	<i>Journal of Community Mobilization and Sustainable Development</i> 9(1): 101-106	5.30	-
117.	Afroz, S., Rashmi Singh, R.R. Burman Sangeetha V. and Rajender Prasad	2015	Impact Assessment of Video-based Information Dissemination in Agriculture: A Case of Digital Green Initiative	<i>Indian Journal of Extension Education</i> 51(3&4): 25-28	5.32	-
118.	Barua, S. Singh B.K. and Singh Premlata	2015	Knowledge level assessment and influencing factors of vegetable growers in western Uttar Pradesh	<i>Indian Journal of Horticulture</i> 72(1): 149-152	6.13	-
119.	Beevi, A. and Monika Wason	2015	Characterisation of Livelihood Systems in Coral Ecosystem	<i>Indian Journal of Extension Education</i> 51(1&2): 92-94	5.32	-
120.	Beevi, A., Monika Wason, R.N. Padaria N.V. Kumbhare and Eldho Verghese	2015	Socio-psychological Drivers of Livelihood Diversification in Lakshadweep	<i>Indian Journal of Extension Education</i> 51(3&4): 34-39	5.32	-
121.	Das, L., M.S. Nain Rashmi Singh, R. Roy Burman and Anil Kumar	2015	Effectiveness of Backward and Forward Linkages in Fruit Cultivation: A study of NERAMAC (North Eastern Regional Agricultural Marketing Corporation Limited)	<i>Indian Journal of Extension Education</i> 51(1&2): 70-74	5.32	-
122.	Gajbhiye, R., Nain M.S. Singh Premlata and Chahal V.P.	2015	Developing linkages for agricultural technology transfer: A case study of research institution and voluntary organization partnership	<i>Indian Journal of Agricultural Science</i> 85(6): 838-844	6.17	-
123.	Ghanghas B.S. Shehrawat P.S. and Nain M.S.	2015	Knowledge of extension professionals regarding impact of climate change in agriculture	<i>Indian Journal of Extension Education</i> 51(3&4): 125-129	5.32	-
124.	Gills, R., J.P. Sharma and Tulsi Bhardwaj	2015	Achieving Zero Hunger through Zero Wastage: An Overview of Present Scenario and Future Reflections	<i>Indian Journal of Extension Education</i> 85(9): 1127-33, September	6.17	-
125.	Kumar, Rakesh, Slathia P.S., Peshin Rajinder and Nain M.S.	2015	Development of Scale to Measure Attitude of Farmers towards Rapeseed Mustard Crop	<i>Journal of Community Mobilization and Sustainable Development</i> 10(2): 221-224	5.30	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
126.	Kumbhare, N.V. R.N. Padaria, Premlata Singh, Anjani Kumar and Sujit Sarkar	2015	Community Radio: Preferences, Opinion and Listening Behaviour of farmers	<i>Indian Journal of Extension Education</i> 51(3&4): 20-24	5.32	-
127.	Mahra, G.S., Om Prakash Mishra, Linda Majani, Aleksandra Janjic and Tiwonge Kanyenda	2015	Achieving self-sufficient model villages for inclusive growth: a case of Ramchandrapur	<i>Journal of Rural Development</i> 34(3): 371-389	-	-
128.	Mahra, G.S., Pardeep Kumar, Chandan Solanki, D.S. Tomar, S.K. Kaushik, Rekha Tewari and V.K.J. Rao	2015	Identifying Grass Root Problems and Generating Sustainable Solutions through Participatory Rural Appraisal	<i>Indian Research Journal of Extension Education</i> 15(4): 198-208	4.81	-
129.	Mahra, G.S., V.P. Sharma, V. Lenin, Satyapriya and Sujit Sarkar	2015	Perception of Agricultural Students and Agro-professionals towards Agricultural Education and Skill Development in India	<i>Indian Journal of Extension Education</i> 51(3&4): 44-48	5.32	-
130.	Mahra, G.S., V.P. Sharma and S.M. Raut	2015	Perception of Farmers and Kisan Call Centre professionals towards Kisan Call Centre services in Agriculture: A Case of Guntur District, Andhra Pradesh, India	<i>Indian Journal of Extension Education</i> 51(1&2): 39-44	5.32	-
131.	Manjunatha, B.L., D.U.M. Rao, M.B. Dastagiri, J.P. Sharma and R. Roy Burman	2015	Need for Government Intervention in Regulating Seed Sale price and Trait Fee: A Case of Bt. Cotton	<i>Journal of Intellectual Property Rights</i> 20: 375-387	5.0	-
132.	Manjunatha, B.L., D.U.M. Rao, J.P. Sharma, R. Roy Burman, Dipika Hajong, M.B. Dastagiri and V. Sumanth Kumar	2015	Factors Affecting Accessibility, Use and Performance of Quality Seeds in Andhra Pradesh and Bihar: Farmers' Experiences	<i>Journal of Community Mobilization and Sustainable Development</i> 10(1): 130-145	5.30	-
133.	Nain M.S., Kumbhare N.V., Sharma J.P., Chahal V.P. and Bahal R	2015	Status, adoption gap and way forward of pulse production in India	<i>Indian Journal of Agricultural Science</i> 85(8): 1017-1025	6.17	-
134.	Nain M.S., Rashmi Singh, J.P. Sharma, R.R. Burman and V.P. Chahal	2015	Participatory identification and prioritization of agri enterprises in national capital region of India	<i>Indian Journal of Agricultural Science</i> 85(6): 787-791	6.17	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
135.	Nain, M.S., Singh Rashmi, Mishra J.R. and Sharma J.P.	2015	Utilization and Linkage with Agricultural Information Sources: A Study of Palwal District of Haryana State	<i>Journal of Community Mobilization and Sustainable Development</i> 10(2): 152-156	5.30	-
136.	Pandey, N.K., Indu, S. Paul, R.R. Burman and D.S. Dhakre	2015	Training Needs of Farmers in Vegetable Production: A Study in North-Eastern Himalayas	<i>Journal of Community Mobilization and Sustainable Development</i> 10(2): 171-176	5.30	-
137.	Pandey, N.K., S.R.K. Singh and R.R. Burman	2015	Assessing the Level of Participation and Acceptance of Watershed Practices in Panchkula District	<i>Journal of Community Mobilization and Sustainable Development</i> 10(1): 125-129	5.30	-
138.	Parthiban. S.R, Nain M.S., Singh Rashmi, Kumar Shiv and Chahal V.P.	2015	Farmers' producer organisation in reducing transactional costs: a study of Tamil Nadu mango growers' federation	<i>Indian Journal of Agricultural Science</i> 85(10): 1303-1307	6.17	-
139.	Paul, N., Slathia P.S., Kumar Rakesh and Nain M.S.	2015	Training Needs and Constraints of Extension Officers in Transfer of Agriculture Technology	<i>Journal of Community Mobilization and Sustainable Development</i> 10(1): 24-28	5.30	-
140.	Paul, S. and Tripathi, A.K. and Jat, P.C.	2015	Technology application for sustainable environment management in disadvantageous terrains: shifting thrust of public agricultural extension system in north eastern region of India	<i>International Journal of Agriculture, Environment and Biotechnology</i> 8(4): 1009-15	4.69	-
141.	Paul, S., K Vijayaragavan, Premlata Singh and R.R. Burman	2015	Research productivity of agricultural scientists: Evidences from high performing and low performing institutes	<i>Indian Journal of Agricultural Sciences</i> 85(4): 487-92	6.17	-
142.	Paul, S., Vijayaragavan, K., Singh, P. and Burman, R.R	2015	Development of a Work style Compass and Predicting Research Productivity of Agricultural Scientists	<i>International Journal of Bio-resource and Stress Mgmt.</i> 6(1): 102-107	4.65	-
143.	Ravi Kumar K, Nain M.S., Singh Rashmi, Chahal, V.P. and Bana R.S.	2015	Analysis of farmers' communication network and factors of Knowledge regarding agro metrological parameters	<i>Indian Journal of Agricultural Sciences</i> 85(12): 1592-96	6.17	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
144.	Rejula K. and Rashmi Singh	2015	An analysis of changing land use pattern and cropping pattern in a scenario of increasing food insecurity in Kerala state	<i>Economic Affairs</i> 60(1): 123-129	4.82	-
145.	Roy Burman, R., Sujit Sarkar, V. Sangeetha, S.K. Dubey, J.P. Sharma, Ishwari Singh, K. Vijayaragavan and H.S. Gupta	2015	Critical Analysis of IARI-Post Office Linkage Extension Model: An Innovative Extension Approach to Reach the Unreached	<i>Indian Res. J. Ext. Education</i> 15(1): 12-19 Jan.	4.81	-
146.	Roy, A. and Paul, S.	2015	Factors of Vegetable Marketing in West Bengal: Evidences and Policy Options	<i>Indian Research Journal of Extension Education</i> 15(2): 62-67	4.81	-
147.	Sangeetha, V., R. Roy Burman, S.K. Dubey, J.P. Sharma and Ishwari Singh	2015	Attitude of Agricultural Stakeholders on Use of Short Message Service (SMS) in Transfer of Technology	<i>Indian Journal of Extension Education</i> 51(1&2): 60-65	5.32	-
148.	Sarkar, S., R.N. Padaria, K. Vijayaragavan, Pramod Kumar, G.K. Jha, Himanshu Pathak and Arpan Bhowmik	2015	Constructing a Knowledge Test to Measure the Knowledge Level of Farmers about Climate Change in Arid Ecosystem of India	<i>International Journal of Bio-resource and Stress Management</i> 54(4): 530-535	4.65	-
149.	Sarkar, S., R.N. Padaria, K. Vijayaragavan, Himanshu Pathak, Pramod Kumar and J.K. Jha	2015	Assessing the potential of indigenous technological knowledge (ITK) for adaptation to climate change in the Himalayan and arid ecosystems	<i>Indian Journal of Traditional Knowledge</i> 14(2): 251-257	6.37	-
150.	Sarkar, S., R.N. Padaria, K. Vijayaragavan, R.R. Burman, H. Pathak, P. Kumar and G.K. Jha	2015	Assessing the Impacts of Climate Change in Arid Ecosystem of India	<i>Range Management and Agroforestry</i> 35(2): 249-255	6.39	-
151.	Satyapriya, Chauhan Jitendra, Sharma P., Kumar Vikash and Kumar Ashok	2015	Development and Standardization of A Scale for Live-stock Based Farming	<i>J. Ext. Education</i> 15(2): 110-113	4.81	-
152.	Satyapriya, Premlata Singh, V. Sangeetha, Sujit Sarkar and G.S. Mahra	2015	Rural Women's Empowerment through ICT for Improving Nutrition Knowledge and Practices	<i>International Journal of Advance Research In Science and Engineering</i> Special Issue 4(01): 217-226	-	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
153.	Singh, M., R. Roy Burman, J.P. Sharma V. Sangeetha and M.A. Iquebal	2015	Effectiveness of mobile based agro-advisory services in addressing information need of the stakeholders: A case of mKRISHI®	<i>Indian Journal of Extension Education</i> 51(1&2): 32-38	5.32	-
154.	Singh, M., R. Roy Burman, J.P. Sharma, V. Sangeetha and M.A. Iquebal	2015	Constraints Faced in Mobile Based Agro-Advisory Services and Strategy for Enhancing the Effectiveness of mKRISHI	<i>Indian Research Journal of Extension Education</i> 15(2): 119-122	4.81	-
155.	Slathia, P.S., N. Pal and Nain M.S.	2015	Socio economic empowerment of rural women through rural tourism projects in Jammu region of J&K state	<i>Indian Research Journal of Extension Education</i> 51(3&4): 40-43	5.32	-
156.	Som, S., R. Roy Burman, J.P. Sharma, V. Sangeetha, V. Lenin and M.A. Iquebal	2015	Assessing Information Need of the Stakeholders on Good Agricultural Practices (GAP) for Grapes	<i>Indian Journal of Extension Education</i> 51(3&4): 8-12	5.32	-
157.	Som, S., R. Roy Burman, J.P. Sharma, V. Sangeetha, V. Lenin and M.A. Iquebal	2015	Designing and validating e-learning Module on Good Agricultural Practices (GAP) for Grapes	<i>Indian Journal of Horticulture</i> 72(4): 489-93	6.13	-
158.	Varadan, R.J., Pramod Kumar, Girish Kumar Jha, Suresh Pal and Rashmi Singh	2015	An exploratory study on occurrence and impact of climate change on agriculture in Tamil Nadu	<i>India Theoretical and Applied Climatology</i> 122(3-4): 1682-89	8.43	-
159.	Venkatesh, P., Nithyashree M.L., V. Sangeetha and Suresh Pal	2015	Trends in agriculture, non-farm sector and rural employment in India: An insight from state level analysis	<i>Indian Journal of Agricultural Sciences</i> 85(5): 671-7	6.17	-
160.	Vinayak, N. R., Premlata Singh and V.P. Chahal	2015	Attitude of farmers towards grape cultivation and export	<i>Indian Journal of Agricultural Sciences</i> 85(4): 592-5	6.17	-
161.	Balakrishnan, R., Premlata Singh, Satyapriya and A.S. Murai	2016	Analysis of Organisational climates of leading Indian Agricultural Universities	<i>International journal in Physical and Applied Sciences</i> 03(03): 26-32	2.871	-
162.	Gills, R., J.P. Sharma, R.R. Burman, R.R. Sharma and Amit Kar	2016	Marketing channels, their effectiveness and perceived constraints in milk processing in NCR	<i>Indian Journal of Animal Science</i> 86(1): 82-88	6.17	-
163.	Gills, R., J.P. Sharma, R.R. Burman, R.R. Sharma and Amit Kar	2016	Comparative analysis of vegetable production, value addition and marketing in National Capital Region	<i>Indian Journal of Horticulture</i> 73(1): 87-93	6.13	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
164.	Gills, R., J.P. Sharma, R.R. Burman, R.R. Sharma and Amit Kar	2016	Analysis of major factors inhibiting fish growers from undertaking decisions regarding value addition in national capital region of India	<i>International Journal of Fisheries and Aquatic Studies</i> 4(1): 348-353	0.352	-
165.	Lekang, B., Nain M.S., Singh Rashmi and Sharma J.P.	2016	Explanatory variables for perceived utility of Experiential Learning Programme of Indian Council of Agricultural Research	<i>Journal of Community Mobilization and Sustainable Development</i> 11(1): 1-6	5.30	-
166.	Manjunatha, B.L., D.U.M. Rao, M.B. Dastagiri, J.P. Sharma and R. Roy Burman	2016	New Indian Seeds Bill: Stakeholders' Policy Advocacies to Enact. Policy Advocacies to Enact	<i>Journal of Intellectual Property Rights</i> 21: 73-88	-	-
167.	Murai, A.S., K. Vijayaraghavan, Premlata Singh and Renu Balakrishnan	2016	April. Designing and Validating an e-learning module for Agricultural Researchers	<i>International Journal of Research in Social Sciences</i> 6(4): 124-140	-	-
168.	Rakesh K, Premlata Singh, Vinayak Nigam and J.P. Sharma	2016	Farmer led innovations: Best practices and lessons learnt in livestock rearing	<i>Indian Journal of Animal Sciences</i> 86(7): 816-82	6.17	-
169.	Rudra, Shalini Gaur. J.P.S. Dabas, Nishi Sharma, Nafees Ahmad, Pratibha Joshi and Himani Budhiraja	2016	Micro-Enterprise Development with Innovative Pearl Millet and Jaggery Cookies	<i>Indian Res. J. Genet. and Biotech.</i> 8(2): 172-175	4.95	-
170.	Singh V, Sharma J.P. and Nain M.S.	2016	Innovation Management in Indian Research and Development Organizations: An Intellectual Property Right Perspective	<i>Journal of Community Mobilization and Sustainable Development</i> 11(1): 127-135	5.30	-
171.	Singh, R., M.S. Nain, J.P. Sharma and J.R. Mishra	2016	Developing Agripreneurship for Sustainable Farm Income: Action Research Study on Women Farmers of Hapur District, Uttar Pradesh	<i>Journal of Community Mobilization and Sustainable Development</i> 11(1): 127-135	5.30	-
172.	Sinha, P.K., B.K. Singh, P. Singh, R.R. Burman and Satyapriya	2016	Factors for Selection of Entrepreneurial Carrier by Youth Trainees of Entrepreneurship Development Programme	<i>Indian Res. J. Ext. Education</i> 16(2): 31-36	4.81	-





## Faculty Profile

### (i) Professors

Sl. No.	Name	Period
1.	Dr. Rekha Bhagat	2007
2.	Dr. K. Vijayaragavan	2007-2009
3.	Dr. Ram Bahal	2009-2010
4.	Dr. J.P. Sharma	2010-2011
5.	Dr. Premlata Singh	2011-2015
6.	Dr. R.N. Padaria	2015 to till Date

### (ii) Heads

Sl. No.	Name	Period
1.	Dr. Rekha Bhagat	2007-2009
2.	Dr. K. Vijayaragavan	2009-2010
3.	Dr. Ram Bahal	2010-2011
4.	Dr. J.P. Sharma	2011-2014
5.	Dr. Premlata Singh (Acting)	2014 to till Date

### (iii) Faculty Members

Sl. No.	Name of the Faculty	Qualification	Specialization	h-Index	i10-Index
1.	Dr. J.P. Sharma	Ph.D.	Communication and Entrepreneurship Development	3	1
2.	Dr. Premlata Singh	Ph.D.	Agri-Nutrition and Gender Empowerment	4	-
3.	Dr. R.N. Padaria	Ph.D.	Extension System and Climate Change Adaptation	4	1
4.	Dr. D.U.M. Rao	Ph.D.	Entrepreneurship Development	-	-
5.	Dr. B.K. Singh	Ph.D.	Agricultural Extension	-	-
6.	Dr. Rashmi Singh	Ph.D.	Entrepreneurship Development	3	1
7.	Dr. Manjit Singh	Ph.D.	Agricultural Extension	3	-
8.	Dr. Satyapriya	Ph.D.	Agricultural Extension	2	-
9.	Dr. R.R. Burman	Ph.D.	Extension System, ICT and Communication	3	1
10.	Dr. Monika Wason	Ph.D.	Community Resource Management and Extension	3	-
11.	Dr. V. Lenin	Ph.D.	ICT, Agri-Nutrition	-	-
12.	Dr. J.R. Mishra	Ph.D.	Transfer of Technologies and Agribusiness	-	-



Sl. No.	Name of the Faculty	Qualification	Specialization	h-Index	i10-Index
13.	Dr. Nishi Sharma	Ph.D.	Agricultural Extension	1	-
14.	Dr. V. Sangeetha	Ph.D.	Agri-Nutrition, ICT, Gender Empowerment	2	-
15.	Dr. N.V. Kumbhare	Ph.D.	Agricultural Extension	-	-
16.	Dr. Nafees Ahmed	Ph.D.	Agricultural Extension	-	-
18.	Dr. Sudipta Paul	Ph.D.	Agri-Nutrition, Climate Change	-	-
19.	Dr. Partibha Joshi	Ph.D.	Home Science and Family Resource Management	1	-
20.	Dr. Reshma Gills	Ph.D.	Agricultural Extension	1	-
21.	Dr. Sukanya Barua	Ph.D.	Agri-Nutrition	-	-
22.	Dr. L. Muralikrishnan	Ph.D.	Agri-Nutrition, Climate Change	-	-
23.	Dr. Sita Ram	Ph.D.	Agricultural Extension	-	-



# Agricultural Statistics

Seema Jaggi

## Students Awarded Degree

S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
<b>Ph.D. Students</b>					
1.	2007	S.K. Satpati	Computer aided search of efficient designs for dependent observations	Dr. V.K. Gupta	-
2.	2007	Sandipan Bhattacharya	Some investigations on repeated measurements designs	Dr. V.K. Sharma	-
3.	2007	Ananta Sarker	A study on design and analysis of microarray experiments	Dr. Rajender Parsad	-
4.	2007	Nilesh Kumar Gupta	On spatial prediction modelling	Dr. Anil Rai	-
5.	2008	Pardeep Kumar Nandi	Design and analysis for multi-response experiments	Dr. Rajender Parsad	-
6.	2008	Ajay Krishanrao Kankure	On some aspects of spatial ranked set sampling	Dr. Anil Rai	-
7.	2008	Jitender Singh Tomar	Design and analysis of agricultural experiments under interference and dependent observations	Dr. Seema Jaggi	-
8.	2008	Rama Krishna Singh	Study of fuzzy and artificial neural network methodologies in agriculture	Dr. Prajneshu	-
9.	2008	Mir Asif Iquebal	A study of some nonlinear time-series models in agriculture	Dr. Prajneshu	-
10.	2008	Ms. Sarika	Some investigations on response surface design	Dr. Seema Jaggi	-
11.	2008	Baidya Nath Mandal	Combinatorics and its applications with special reference to sample surveys	Dr. Rajender Parsad	-
12.	2009	Susheel Kumar Sarkar	Computer aided search of linear trend free multi-factor designs	Dr. Krishan Lal	-
13.	2009	Nishanti Rupika Abeynayake	A study on neighbour balanced designs	Dr. Seema Jaggi	-
14.	2009	Ranjit Kumar Paul	A study on some parametric and nonparametric approaches for non-linear time series models	Dr. Prajneshu	-
15.	2010	Dharm Nath Jha	A study on spatial regression models under measurement errors framework	Dr. Anil Rai	-
16.	2010	Dwijesh Chandra Mishra	On some aspects of estimation of genetic parameters under selection pressures and model inadequacies	Dr. V.K. Bhatia	-



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
17.	2010	Nurnabi Meherul Alam	Some contributions to design and analysis of mixture experiments	Dr. P.K. Batra	-
18.	2012	Yogita Gharde	Small area estimation of spatially correlated data using Bayesian approach	Dr. Anil Rai	-
19.	2012	Eldho Varghese	Some investigations on experimental designs incorporating neighbour effects	Dr. Seema Jaggi	IARI Merit Medal
20.	2012	Nitiprasad N. Jambhulkar	Some Investigations on minimum aberration for fractional factorials	Dr. Kishan Lal	-
21.	2013	Bishal Gurung	A Study of some parametric nonlinear time-series models in agriculture	Dr. Prajneshu	-
22.	2013	Sukanta Dash	Statistical designs for microarray experiments	Dr. Rajender Parsad	-
23.	2013	Kaustav Aditya	Some contributions to finite population mean estimation in the presence of Non-response	Dr. U.C. Sud	-
24.	2014	Arpan Bhowmik	Experimental designs involving treatments exhibiting interference effects	Dr. Seema Jaggi	IARI Merit Medal
25.	2014	Mohan Kumar T.L.	Development of statistical models using nonlinear support vector machines	Dr. Prajneshu	-
26.	2015	Shashi Shekhar	A study on multiple biological assays	Dr. L.M. Bhar	-
27.	2015	Ankur Biswas	A study of spatial bootstrap techniques for variance estimation in finite population	Dr. Anil Rai	-
28.	2015	Prabina Kumar Meher	Development of statistical procedures for genome sequence analysis	Dr. A.R. Rao	-
29.	2015	Rohan Kumar Raman	Some contributions to calibration estimation in survey sampling in the presence of non-response	Dr. U.C. Sud	-
30.	2015	Rupam Kumar Sarkar	Statistical evaluation of complex traits based on genomics information	Dr. A.R. Rao	-
31.	2016	Sankalpa Ohja	Outliers in designed experiments with correlated errors	Dr. L.M. Bhar	-
32.	2016	Anindita Datta	Generalized row-column designs for single and multi-factor experiments	Dr. Seema Jaggi	-
33.	2016	Ram Kumar Choudhary	Multi-locations trials and genomic data analysis in perennial crops exhibiting bienniality	Dr. A.R. Rao	-
<b>M.Sc. Students</b>					
1.	2007	Priya Kohli	A study on supersaturated designs	Dr. R. Srivastava	-
2.	2007	Nurnabi Meherul Alam	Some analytical techniques for long term fertilizer experiments	Dr. P.K. Batra	-
3.	2007	Ranjit Kumar Paul	Robust analysis of designed experiments	Dr. L.M. Bhar	Nehru Memorial Gold Medal



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
4.	2007	Prasenjit Pal	Model based estimation of finite population mean square using double sampling	Dr. U.C. Sud	-
5.	2007	Nitiparsad Namdevrao Jambhulkar	Statistical investigations on QTL detection in Maize	Dr. V.K. Bhatia	-
6.	2008	Vinayanand Kandala	A study of forecast models using resampling methods	Dr. Ranjana Agarwal	-
7.	2008	Sonawane Maheshkumar Namdevrao	A study on experimental designs for bioequivalence trials	Dr. Cini Varghese	-
8.	2008	Lokesh Dwivedi	Some investigations on change over designs	Dr. Cini Varghese	-
9.	2008	Subrat Keshori Behra	Study of heritability of threshold character	Dr. A.K. Paul	-
10.	2008	Yogita Gharde	A study on cross-over design in the presence of first order residual effects	Dr. V.K. Sharma	Nehru Memorial Gold Medal
11.	2009	Sanjay Kumar Prasad 4492	A study on bayesian analytical techniques for experimental data	Dr. LM Bhar	Nehru Memorial Gold Medal
12.	2009	Kaustav Aditya	Forecasting of crop yield using discriminant function technique	Dr. Ranjana Agarwal	-
13.	2009	Bishal Gurung	Construction of supersaturated designs	Dr. L.M. Bhar	-
14.	2009	Sukanta Dash	Some investigations on classificatory techniques in agriculture	Sh. S.D. Wahi	-
15.	2009	Manoj Kumar	A study on development indices and their sensitivity analysis	Dr. Tauqueer Ahmad	-
16.	2010	Sankalpa Ojha	A study on outlier in multi-response experiment	Dr. L.M. Bhar	-
17.	2010	Prabina Kumar Meher	A study on multivariate outlier detection & its application in breeding data	Dr. A.R. Rao	Nehru Memorial Gold Medal, VVR Murthy Award
18.	2010	Ankur Biswas	Variance estimation using jackknife method in ranked set sampling under finite population framework	Dr. Tauqueer Ahmad	-
19.	2010	Arpan Bhowmik	A study on logistic regression modeling for classification in agriculture	Dr. Rama subramanian V.	-
20.	2010	N. Mohandas Singh	Some empirical investigations on statistical properties of growth curves	Dr. A.K. Paul	-



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
21.	2011	Sandip Kumar Sadhu	A study on tree-based modeling for classification in agriculture	Dr. Rama subramanian V.	-
22.	2011	Sandipan Samanta	A study of SETARMA non-liner time series models	Dr. Prajneshu	-
23.	2011	Rupam Kumar Sarkar	An empirical study on mixture of qualitative and quantitative traits	Dr. A.R. Rao	-
24.	2011	Sudhir Srivastava	Some investigations on augmented partial diallel cross designs	Dr. Cini Varghese	-
25.	2011	Hiranmoy Das	Study on additivity of effects and independence of errors in experimental data	Dr. P.K. Batra	Nehru Memorial Gold Medal, VVR Murthy Award
26.	2011	Rohan Kumar Raman	A study on performance of linear discriminant function under multivariate non-normal situations	Dr. A.K. Paul	-
27.	2012	Nirupam Ghosh	Some investigation on the presence of non-response in the context of repeat surveys	Dr. U.C. Sud	-
28.	2012	Kallol Sarkar	A study on row-column designs	Dr. Cini Varghese	-
29.	2012	Mrinmoy Ray	A study on time series intervention modeling in agriculture	Dr. Rama subramanian V.	-
30.	2012	Samarendra Das	Some investigations on different classification techniques in agriculture	Dr. A.K. Paul	Nehru Memorial Gold Medal
31.	2012	Kader Ali Sarkar	A study of non-linear ARMA model with time-varying coefficients	Dr. Himadri Ghosh	-
32.	2012	Upendra Kumar Pradhan	Designs for mixture experiments with process variable	Dr. Krishan Lal	-
33.	2012	Kanchan Sinha	A study on combining ARIMA and artificial neural networks for time-series forecasting	Dr. G.K. Jha	-
34.	2013	Sumit Choudhury	A study of fuzzy time-series models in agriculture	Dr. Himadri Ghosh	-
35.	2013	Pratyush Dasgupta	Robustness of Block Designs in Multi-response Experiments against Missing Data	Dr. L.M. Bhar	Nehru Memorial Gold Medal
36.	2013	Chiranjit Mazumder	Application of fuzzy C-means clustering algorithm in agriculture	Dr. G.K. Jha	-
37.	2013	Anindita Datta	Row-column designs with multiple units per cell	Dr. Seema Jaggi	Nehru Memorial Gold Medal



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
38.	2013	Prakash Kumar	Block designs with nested rows and columns for factorial experiments	Dr. Krishan Lal	-
39.	2013	Manju Mary Paul	Functional classification of cereal proteins using support vector machine	Dr. Anil Rai	-
40.	2013	Vandita Kumari	Crop yield forecast model using ordinal logistic regression	Dr. Ranjana Agrawal	-
41.	2013	Ranganath, H.K.	A study of linear regression models for interval-valued data	Dr. Prajneshu	-
42.	2013	Raju Kumar	An application of calibration approach for estimation of population ratio	Shri SD Wahi	-
43.	2014	Pradip Basak	Prediction of population total for skewed variable under a log transform model	Dr. Hukum Chandra	IARI Best Student, Nehru Memorial Gold Medal
44.	2014	Arvind Kumar	Experimental designs under three-way blocking structure	Dr. Cini Varghese	-
45.	2014	Achal Lama	A study on agriculture commodity price volatility using dynamic neural networks	Dr. G.K. Jha	-
46.	2014	Himadri Shekhar Roy	A study on outliers in factorial experiments	Dr. L.M. Bhar	-
47.	2014	Shwetank Lall	A study of tweedie family of distribution for rainfall modelling	Dr. Himadri Ghosh	-
48.	2014	Sunil Kumar Yadav	Robust $2^k$ factorial designs with logistic error distribution	Dr. Krishan Lal	-
49.	2014	Satish Kumar Yadav	Calibration estimator in presence of quadratic relationship between study and auxiliary variable	Sh. S.D. Wahi	-
50.	2014	Soumya Ranjan Bardhan	Identification of diverse core set of germplasm for abiotic stress tolerance in rice	Dr. A.R. Rao	-
51.	2015	Pramod Kumar Moury	A study on estimation of average yield of cotton	Dr. Tauqueer Ahmad	-
52.	2015	Md. Harun	Statistical designs involving three-way crosses	Dr. Cini Varghese	Nehru Memorial Gold Medal
53.	2015	Saurav Guha	Some investigation on outlier robust survey inference	Dr. Hukum Chandra	-
54.	2015	Prateesh P. Gopinath	Two dimensional sampling plan excluding adjacent units	Dr. Rajender Prasad	-
55.	2015	Rajeev Ranjan Kumar	Co-integration approach for energy use in Agriculture	Dr. G.K. Jha	-
56.	2015	Sadikul Islam	An application of Calibration Approach for Estimation of Finite Population Ratio Under two-phase Sampling Design	Dr. U.C. Sud	-



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
57.	2016	Sushil Kumar	Some investigation of small area estimation of proportions using unit level survey data	Dr. Hukum Chandra	-
58.	2016	Sumeet Saurav	Statistical designs for multi-session sensory trials in food and nutrition	Dr. Cini Varghese	-
59.	2016	Shyamsundar Parui	Construction of Latin hypercube designs	Dr. Rajender Parsad	Nehru Memorial Gold Medal, Best M.Sc. Thesis from (SASAA)
60.	2016	Rahul Banerjee	Pre-harvest forecasting of crop yield using detrended yield: a new approach	Dr. K.N. Singh	-
61.	2016	Nitin Varshney	Discrimination of coding and non-coding regions in cattle based on epigenetic mechanism	Sh. S.D. Wahi	-
62.	2016	Rajeev Kumar	Polygonal designs for sampling from naturally ordered populations	Dr. Rajender Parsad	-
63.	2016	Pankaj Das	Estimation of growth parameters using non-linear mixed model and comparison with fixed effect model in animals	Dr. Amrit Kumar Paul	-
64.	2016	Moagisi Innocent Ithuteng	Time series regression of aphid count data	Dr. L.M. Bhar	-

### Foreign Students Awarded Degree

S. No.	Year	Name of the Foreign Student	Thesis Title	Chairperson	Country
<b>(i) Ph.D. Students</b>					
1.	2009	Nishanti Rupika Abhiynaka	A study on neighbour balanced designs	Dr. Seema Jaggi	Sri Lanka
<b>(ii) M.Sc. Students</b>					
1.	2016	Moagisi Innocent Ithuteng	Time series regression of aphid count data	Dr. Lal Mohan Bhar	Rwanda

### Training Courses/Winter/Summer School/Workshop Organized

S. No.	Year	Title of Training Programme	Number of Trainees	Name(s) of the Course Director and Co-ordinators
1.	2008	Senior Certificate Course in Agricultural Statistics and Computing	10	Dr. V.K. Sharma
2.	2008	International Training Programme on Biometrics in Agricultural Research	01	Dr. Prajneshu and Sh. Pal Singh
3.	2008	Spatial and Non-Spatial Information Management and Mining in Agriculture under CAS	08	Dr. Anil Rai





S. No.	Year	Title of Training Programme	Number of Trainees	Name(s) of the Course Director and Co-ordinators
4.	2008	Advances in Quantitative Techniques for Policy Analysis in Agricultural Economics under CAS	12	Dr. Ashok Kumar Dr. Prawin Arya and Dr. D.R. Singh
5.	2008	Advances in Biometrical Techniques under CAS	19	Dr. A.K. Paul and Sh. S.D. Wahi
6.	2008	Research Methodology for officials of ICFRE, Dehradun	19	Dr. Seema Jaggi
7.	2008	Winter School on Sample Survey Techniques in Agricultural Research	21	Dr. K.K. Tyagi
8.	2009	Senior Certificate Course in Agricultural Statistics and Computing	6	Dr. V.K. Bhatia
9.	2009	Advanced Quantitative Techniques In Agricultural Research under CAS	18	Dr. Aloke Lahiri
10.	2009	Recent Advances in Sample Survey and Analysis of Sample Survey Data under CAS	15	Dr. U.C. Sud and Dr. Hukum Chandra
11.	2009	Winter School on Advances in Design and Analysis of Agricultural Experiments	25	Dr. Rajender Parsad
12.	2009	Data Analysis with Statistical Tools		Dr. V.K. Bhatia
13.	2009	Statistical Techniques for Research Methodology for officials of ICFRE, Dehradun	18	Dr. Seema Jaggi
14.	2010	Data Analysis with Statistical Tools	23	Dr. Rajender Parsad and Dr. Krishan Lal
15.	2010	International training programme on Experimental Designs and Data Analysis	8	Dr. Rajender Parsad
16.	2010	International training Programme on Advances in Design and Analysis of Experiments	15	Dr. Rajender Parsad
17.	2010	Application of Remote Sensing and GIS in Agricultural Surveys	08	Dr. Anil Rai
18.	2010	Bioinformatics and Statistical Genomics	25	Dr. A.R. Rao
19.	2010	Small Area Estimation	25	Dr. U.C. Sud
20.	2010	Research Methodology for Official Statistics		Dr. U.C. Sud and Dr. Tauqueer Ahmad
21.	2010	Agricultural Statistics System in India	14	Dr. K.K. Tyagi and Dr. A.K. Gupta
22.	2011	Statistical Modeling in Agriculture	24	Dr. Himadri Ghosh and Sh. Amrender Kumar
23.	2011	Agricultural Statistics System in India	20	Dr. U.C. Sud and Dr. K.K. Tyagi
24.	2011	Early Warning System for Food Security	05	Dr. Ranjana Agrawal, Dr. Chandrahas and Sh. S.C. Mehta



S. No.	Year	Title of Training Programme	Number of Trainees	Name(s) of the Course Director and Co-ordinators
25.	2011	Application of Remote Sensing and GIS in Agricultural Surveys	05	Dr. Anil Rai and Dr. Prachi Misra Sahoo
26.	2011	Data Analysis with Statistical Packages	07	Dr. Rajender Parsad, Dr. Krishan Lal and Dr. Cini Varghese
27.	2011	Small Area Estimation	15	Dr. U.C. Sud and Dr. Tauqueer Ahmad
28.	2011	SAS Platform Administration Training for SAS RBI Server	12	Dr. Rajender Parsad
29.	2011	SAS Installation Training	35	Dr. Rajender Parsad and Sh. N. Sivaramane
30.	2011	SAS A Comprehensive Overview (Part I and II)	52	Dr. Rajender Parsad and Sh. N. Sivaramane
31.	2011	SAS Genetics – JMP Genomics	29	Dr. Rajender Parsad
32.	2011	Data Analysis using SAS under NAIP (7 trainings)	143	Dr. Rajender Parsad, Dr. A.K. Paul and Dr. N. Sivaramane
33.	2011	Data Analysis for Agroforestry Experiments using SAS	23	Dr. Rajender Parsad
34.	2011	Statistical and Computational Genomics Data Analysis	26	Dr. A.R. Rao
35.	2011	Technological Forecasting Methodologies	17	Dr. Ramasubramanian V.
36.	2012	Data Analysis using SAS under NAIP (2 trainings)	54	Dr. Rajender Parsad and Dr. Seema Jaggi
37.	2012	Statistical Techniques for Data collection and Analysis	28	Dr. Seema Jaggi and Dr. Tauqueer Ahmad
38.	2012	Data Analysis and Interpretation : Use of Statistical Softwares	37	Dr. Rajender Parsad, Dr. Krishan Lal and Dr. B.N. Mandal
39.	2012	Data Analysis of Natural Resource Management Research using SAS	21	Dr. Rajender Parsad and Dr. L.M. Bhar
40.	2012	Forecast Modeling in Crops	22	Dr. Ranjana Agarwal and Amrender Kumar
41.	2012	Applications of Remote Sensing and GIS in Agricultural Surveys	07	Dr. Prachi Misra Sahoo and Dr. Tauqueer Ahmad
42.	2012	Genetics/Genomics Data Analysis Using SAS	24	Dr. Rajender Parsad and Dr. A.K. Paul
43.	2012	Agricultural Statistics	20	Dr. U.C. Sud, Dr. K.K. Tyagi and Dr. Tauqueer Ahmad
44.	2012	Data Analysis in Social Sciences Research using SAS	20	Dr. Rajender Parsad and Dr. Sivaramane N.
45.	2012	Forecast Techniques in Agriculture	07	Dr. K.N. Singh and Sh. Amrender Kumar
46.	2012	Data Analysis and Interpretation in FIM	18	Dr. Rajender Parsad
47.	2012	Recent Advances in Designing and Analysis of Agricultural Experiments (Winter School)	25	Dr. Krishan Lal



S. No.	Year	Title of Training Programme	Number of Trainees	Name(s) of the Course Director and Co-ordinators
48.	2012	Applications of Remote Sensing and GIS in Agricultural Surveys	07	Dr. Prachi Misra Sahoo Dr. K.N. Singh and Dr. Tauqueer Ahmad
49.	2012	Data Mining Using SAS	18	Dr. Rajender Parsad, Md. Samir Farooqi and Ms. Anshu Bhardwaj
50.	2013	Techniques of Estimation and Forecasting of Crop Production in India	07	Dr. U.C. Sud and Dr. Hukum Chandra
51.	2013	Application of Remote Sensing and GIS in Agricultural Survey	06	Dr. Prachi Misra Sahoo and Dr. Taqueer Ahmad
52.	2013	Statistical Models for Forecasting in Agriculture under CAFT	25	Dr. Ramasubramanian V. and Mir Asif Iquebal
53.	2013	Recent Advances in Sample Survey and Analysis of Survey Data using Statistical Software under CAFT	18	Dr. Hukum Chandra and Dr. Kaustav Aditya
54.	2013	Recent Advances in Designing and Analysis of Agricultural Experiments under CAFT	22	Dr. Krishan Lal and Dr. Anil Kumar
55.	2013	Summer School on Forecast Modeling in Crops	25	Dr. K.N. Singh Sh. N. Okendro Singh and Dr. D.R. Singh
56.	2013	Winter School on Recent Advances on Quantitative Genetics and Statistical Genomics	25	Dr. A.R. Rao
58.	2013	Forecast Modeling in Crops using Weather and Geo- informatics under NAIP	15	Dr. K.N. Singh, Dr. Anshu Bhardwaj and Sh. Amrender Kumar
59.	2013	Statistical Approaches for Genomics Data Analysis	19	Dr. Seema Jaggi and Dr. Sarika
60.	2013	Data Analysis using SAS under NAIP	21	Dr. Rajender Parsad and Dr. Seema Jaggi
61.	2013	Data Analysis using SAS under NAIP	23	Dr. Ramasubramanian V. and Md. Samir Farooqi
62.	2013	Data Analysis and Interpretation: Use of Statistical Software	38	Dr. Rajender Parsad, Dr. Krishan Lal and Dr. Susheel Kumar Sarkar
63.	2013	Agricultural Statistics	15	Dr. K.K. Tyagi and Dr. Tauqueer Ahmad
64.	2013	Small Area Estimation	11	Dr. U.C. Sud and Dr. Hukum Chandra
65.	2013	Study Tour on Agricultural Statistics System and Food Security Policy in India for DPR Korea	06	Dr. U.C. Sud and Dr. Tauqueer Ahmad
66.	2013	Elementary Data Analysis for Technical Personal of ICAR	20	Dr. Cini Varghese and Dr. Susheel Sarkar
68.	2014	Recent Advances in Statistical Modeling Techniques under CAFT	25	Dr. Ranjit Kumar Paul, Dr. Bishal Gurung and Dr. A.K. Paul



S. No.	Year	Title of Training Programme	Number of Trainees	Name(s) of the Course Director and Co-ordinators
69.	2014	Data Analysis and Interpretation of ISS Probationers of XXXIV Batch	31	Dr. Rajender Parsad, Dr. Cini Varghese and Dr. B.N. Mandal
70.	2014	Data Analysis using SAS under NAIP (2 trainings)	44	Dr. Rajender Parsad
71.	2014	Data Analysis using SAS under NAIP	31	Dr. Rajender Parsad and Dr. L.M. Bhar
72.	2014	Advances in Statistical Genetics under CAFT	25	Md. Wasi Alam, Dr. Ranjit Kumar Paul and Dr. A.K. Paul
73.	2014	Summer School on Forecast Modeling in Crops	19	Dr. K.N. Singh, Dr. Wasi Alam, Dr. Praveen Arya and Dr. Sanjeev Panwar
74.	2014	Advances in Statistical Methods for Animal Experiments under CAFT	25	Dr. Susheel Kumar Sarkar, Dr. Anil Kumar and Dr. Krishan Lal
75.	2014	Integrated Sample Survey Methodology (2 Refresher Courses)	24+24	Dr. Hukum Chandra and Dr. Kaustav Aditya
76.	2014	Advances in Experimental Design for Development of Technologies in Agriculture under CAFT	25	Dr. Eldho Varghese, Dr. Sukanta Dash and Dr. Arpan Bhowmik
77.	2014	Statistics Module of the Subject Matter Training for Scientists from Islamic Republic of Afghanistan	04	Dr. Seema Jaggi
78.	2014	Training Workshop on computer Assisted Text Analysis under Mapping the Cultural Authority of Science across Europe and India	18	Dr. K.N. Singh
79.	2014	Modular Course on Statistical Methods for Agricultural Research for the participants of an International M.Sc. Programme for Afghan National on Teaching of Post-Graduate Courses in Agronomy	23	Dr. Rajender Parsad Dr. Eldho Varghese and Dr. Sukhanta Dash
80.	2014	Data analysis using SPSS (in Hindi)	20	Dr. Cini Varghese and Dr. Arpan Bhowmik
81.	2014	Advanced Analytical Techniques in Bioinformatics under Bioprospecting of genes and allele mining for abiotic stress tolerance under NAIP	18	Dr. A.R. Rao, Sh. S.D. Wahi, Dr. Sudeep and Sh. P.K. Mehar
82.	2015	Data Analysis and Interpretation	21	Dr. Rajender Parsad and Dr. Eldho Varghese
83.	2015	Forecasting Modeling Analytics in Crops under CAFT	23	Dr. Prawin Arya and Dr. Sanjeev Panwar
84.	2015	Senior Certificate Course in Agricultural Statistics and Computing	M1-02 M2-02	Sh. S.D. Wahi



S. No.	Year	Title of Training Programme	Number of Trainees	Name(s) of the Course Director and Co-ordinators
85.	2015	Statistical Techniques	20	Dr. Hukum Chandra and Dr. A.K. Gupta
86.	2015	Recent Advances in Survey Design and Analysis of Survey Data using Statistical Software under CAFT	20	Dr. Hukum Chandra and Dr. Kaustav Aditya
87.	2015	Importance of Statistical and Experimental Designs, Data Analysis and Biometrical Techniques in Agriculture Research (Ministry of Agriculture Afghanistan)	16	Dr. Rajender Parsad, Dr. Eldho Varghese and Dr. Sukanta Dash
88.	2015	Advanced Statistical Techniques in Horticulture Science Research under CAFT	15	Dr. Sukant Dash and Dr. Susheel Kumar Sarkar
89.	2015	Recent Advances in Statistical Genetics under CAFT	26	Dr. Amrit Kumar Paul and Dr. R.K. Paul
90.	2015	International Training Application of Remote Sensing and GIS in Agricultural Sampling	10	Dr. Prachi Mishra Sahoo and Dr. Tauqueer Ahmad
91.	2016	Design and Analysis of Experiments	16	Dr. Susheel Kumar Sarkar and Dr. Sukanta Dash
92.	2016	Integrated Sample Survey Methodology	22	Dr. Hukum Chandra and Dr. Kaustav Aditya
93.	2016	Senior Certificate Course in Agricultural Statistics and Computing	Mod-03 Mod-01	Sh. S.D. Wahi
94.	2016	Refresher Training Programme	18	Dr. Tauqueer Ahmad and Dr. Ankur Biswas
95.	2016	Data Analysis and Interpretation	40	Dr. Rajender Parsad and Dr. Arpan Bhowmik
96.	2016	Small Area Estimation	19	Dr. Hukum Chandra and Dr. Kaustav Aditya
97.	2016	Field Data Collection under the FAO sponsored Study on Improving Method for Estimating Crop Area Yield and Production under Mixed Repeated and continuous Cropping	05	Dr. Tauqueer Ahmad
98.	2016	Crop Cutting Experiments Techniques	15	Dr. Tauqueer Ahmad Smt. Vandita Kumari
99.	2016	Use of Models in Crop Yield Estimation (NSSTA), CSO for SAARC Countries	08	Dr. Hukum Chandra and Sh. Raju Kumar
100.	2016	Small Area Estimation Techniques and Application	18	Dr. Hukum Chandra and Dr. Kaustav Aditya
101.	2016	Experimental Data Analysis for Ph.D. Students of PG School, IARI	20	Dr. Seema Jaggi and Dr. Eldho Varghese
102.	2016	Advances for Technological Enhancement in Agricultural Research under CAFT	25	Dr. Arpan Bhowmik and Dr. Cini Varghese
103.	2016	Recent Advances in Statistical Genetics and Genomics under CAFT	23	Dr. P.K. Mehar



## Training Received by the Faculty Members

S. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
<b>(i) Within the Country</b>					
1.	2007	Dr. Anil Rai	Spatial analyst of ARC-GIS organized by ESRI, India	5-7 March, 2007	NIIT, New Delhi
2.	2010	Dr. Seema Jaggi Dr. Rajender Parsad Dr. L.M. Bhar Dr. A.K. Paul	Statistical Analysis Software (SAS): A Comprehensive Overview (Part I)	23 June to 9 July, 2010	SAS Institute India Pvt. Ltd. under the project Strengthening Statistical Computing for NARS funded by NAIP at IASRI
3.	2010	Dr. Seema Jaggi Dr. Rajender Parsad Dr. L.M. Bhar Dr. A.K. Paul	Statistical Analysis Software (SAS): A Comprehensive Overview (Part II)	13 September to 1 October, 2010	SAS Institute India Pvt. Ltd. under the project Strengthening Statistical Computing for NARS funded by NAIP at IASRI
4.	2010	Dr. Seema Jaggi Dr. Rajender Parsad Dr. L.M. Bhar Dr. A.K. Paul	SAS Genetics and JMP Genomics	4-8 October, 2010	SAS Institute India Pvt. Ltd. under the project Strengthening Statistical Computing for NARS funded by NAIP at IASRI
5.	2011	Dr. Anil Rai Dr. Seema Jaggi Dr. A.R. Rao Dr. Eldho Varghese	High Performance Computing (HPC)	7-10 February, 2011	Centre for Development of Advanced Computing (C-DAC), Pune
6.	2011	Dr. Anil Rai Dr. Seema Jaggi Dr. A.R. Rao	Computational Genome Analysis using ANVAYA	22-24 June, 2011	Centre for Agricultural Bioinformatics, IASRI organized by C-DAC, Pune
7.	2011	Dr. Prachi Misra Sahoo	Hyperspectral Remote Sensing in Agriculture: HYPERAGRI	2-11 August, 2011	Division of Agricultural Physics, IARI, New Delhi
8.	2011	Dr. A.K. Paul	Project Formulation, Risk Assessment, Scientific Report Writing and Presentation (NAIP funded)	26-30 September, 2011	Division of Agricultural Engineering, IARI, New Delhi
9.	2012	Dr. U.C. Sud	Management Development Programme in Agricultural Research	2-7 July, 2012	NAARM, Hyderabad
10.	2012	Dr. Eldho Varghese	Statistical Model for Forecasting in Agriculture	11 September to 1 October, 2012	IASRI under CAFT
11.	2012	Dr. K.N. Singh Dr. Rajender Parsad	Management Development Programme on Leadership Development (a Pre-RMP Programme)	8-19 October, 2012	NAARM, Hyderabad



S. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
12.	2012	Dr. M.A. Iquebal	Short term course on Soft Computing Techniques Applications	5-9 November, 2012	GB Pant University of Agriculture and Technology by National Institute of Technical Teachers' Training and Research (NITTTR), Chandigarh
13.	2012	Dr. Susheel Kumar Sarkar	Field Trial & QTL Analysis using R & R/QTL	3-6 December, 2012	ICRISAT Hyderabad
14.	2012	Dr. Rama subramanian V.	Project formulation, risk assessment, scientific report writing and presentations (NAIP funded)	11-15 December, 2012	Division of Agricultural Engineering, IARI
15.	2013	Dr. Prachi Misra Sahoo	Hyperspectral Remote Sensing and Applications in Water Resources	18-23 March, 2013	Agricultural and Food Engineering Department, Indian Institute of Technology, Kharagpur
16.	2013	Dr. R.K. Paul	Market intelligence	17-18 October, 2013	NCAP, New Delhi
17.	2013	Dr. R.K. Paul	Quantitative methods for policy analysis Using GAMS	18-22 November, 2013	NCAP, New Delhi
18.	2014	Dr. Susheel Kumar Sarkar	Agricultural Web Application Development using Content Management Tools	24 September to 14 October, 2014	IASRI under CAFT
19.	2015	Dr. Prawin Arya	Geospatial analysis for natural resources management using statistical tools	2-11 September, 2015	NAARM, Hyderabad
<b>(ii) Outside the Country</b>					
21.	2010	Sh. Amrender Kumar	Technology Forecasting under NAIP project Visioning, Policy Analysis and Gender (V-PAGe) - Component II: Technology Forecasting	22 April to 14 June, 2010	Pennsylvania State University, USA
22.	2011	Dr. Rama subramanian V.	Science Policy and Technology Forecasting under NAIP-HRD-L&CD, Social Sciences Division	18 August to 17 November, 2011	University of Houston, USA
23.	2010	Dr. H. Ghosh	Multimarket Modelling for Policy Analysis under NAIP	15 May to 15 August, 2010	Southern Illinois University, Carbondale, USA
24.	2011	Dr. A.R. Rao	Bioinformatics in the Genomics Coordinating Centre (GCC)	24 February to 3 May 2011	University of Washington, Seattle, USA
25.	2012	Dr. A.K. Paul	Crop Bioinformatics (Comparative genomics in soybean's pathogens) in Agronomy Division of Iowa State University	08 Marc -07 June 2012	Iowa State University, USA



S. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
26.	2012	Dr. Prawin Arya	Policy Analysis: Sub area: Modeling for Land Use Planning (Social Sciences) under NAIP at Division of Agricultural and Biosystems Engineering	15 June to 12 Sept., 2012	Iowa State University of Science and Technology, Davidson Hall, Ames, USA
27.	2013	Dr. M.A. Iquebal	Bioinformatics	15 September to 15 Dec., 2013	Iowa State University, Ames, Iowa, USA
28.	2013	Dr. Susheel Kumar Sarkar	Integrated Breeding Multi-Year Course (IB-MYC) Year 2 under Generation Challenge Programme-Integrated Breeding Platform (GCP-IBP)	1-12 July, 2013	Mediterranean Agronomic Institute of Zaragoza (IAMZ) in Zaragoza, Spain
29.	2014	Dr. Hukum Chandra	Small Area Estimation under Generalised Linear Mixed Model	9 June to 1 August, 2014	Department of Economics and Management, University of Pisa, Italy
30.	2014	Dr. Hukum Chandra	Assessing Training Needs of the Statistical Workforce in Agricultural Statistics	15-18 December, 2014	United Nations Statistical Institute for Asia and the Pacific, Chiba, Japan
31.	2014	Dr. Susheel Kumar Sarkar	Integrated Breeding Multi-Year Course (IB-MYC) Year 3 under Generation Challenge Programme - Integrated Breeding Platform (GCP-IBP)	9-30 May, 2014	Mediterranean Agronomic Institute of Zaragoza (IAMZ) in Zaragoza, Spain

### Awards Conferred on the Faculty Members

S. No.	Year	Name of the Faculty Member	Name of Award Received	Institution which gave the Award
1.	2008	Dr. Cini Varghese	Lal Bahadur Shastri Young Scientist Award	ICAR
2.	2009	Dr. Hukum Chandra	Cochran-Hansen Prize	International Association of Survey Statisticians
3.	2009	Dr. Himadri Ghosh	Best Poster Presentation Award	Indian Science Congress
4.	2010	Mrs. Bhargavi and Professor C.R. Rao	Award for Best Poster Presentation	CR Rao Advanced Institute of Mathematics, Statistics and Computer Science Hyderabad
5.	2011	Dr. V.K. Gupta	Sankhyiki Bhushan	Indian Society of Agricultural Statistics (ISAS)
6.	2011	Dr. Rajender Parsad	Professor Sukhatme Gold Medal	ISAS
7.	2012	Dr. Prajneshu	Sankhyiki Bhushan	ISAS
8.	2012	Dr. Seema Jaggi	P.V. Sukhatme Gold Medal	ISAS
9.	2012	Dr. Hukum Chandra	D.N. Lal Memorial Lecture Award	ISAS
10.	2012	Dr. Ranjit Kumar Paul	G.R. Seth Memorial Young Scientist Award	ISAS





S. No.	Year	Name of the Faculty Member	Name of Award Received	Institution which gave the Award
11.	2013	Dr. VK Bhatia	Bharat Ratna Dr. C. Subramaniam Award for Outstanding Teachers	ICAR
12.	2013	Dr. Himadri Ghosh	Bose-Nandi Award	Calcutta Statistical Association
13.	2013	Dr. Anil Kumar	Smt. Kadambini Devi Award	Indian Society of Animal Production and Management
14.	2014	Dr. Hukum Chandra	Lal Bahadur Shastri Outstanding Young Scientist Award	ICAR
15.	2014	Dr. Anil Rai	Team Award	Indian Society of Agricultural Engineering
16.	2015	Dr. Seema Jaggi	Bharat Ratna Dr. C. Subramaniam Award	ICAR
17.	2015	Dr. Arpan Bhowmik	Dr. GR Seth Memorial Young Scientist Appreciation Certificate	ISAS
18.	2016	Dr. Seema Jaggi	INSA Teacher Award	Indian National Science Academy
19.	2016	Dr. Hukum Chandra	National Award in Statistics	Ministry of Statistics and Programme Implementation
20.	2016	Dr. A.R. Rao	Elected as Fellow, National Academy of Agricultural Sciences, New Delhi under Social Sciences section with effect from January 1, 2016	National Academy of Agricultural Sciences, New Delhi
21.	2016	Dr. A.R. Rao	Awarded as Fellow, Indian Society of Genetics and Plant Breeding, New Delhi	Indian Society of Genetics and Plant Breeding, New Delhi
22.	2016	Dr. Ranjit Kumar Paul	Young Scientist Award	Society of Application and Statistics in Agriculture and Allied Sciences
23.		Dr. A.R. Rao	PV Sukhatme Gold Medal	ISAS

### Faculty Participation in International Conference/Seminar/Assignments

S. No.	Year	Name of the Faculty Member	Name of International Conference/Seminar/Assignments	Duration	Place Visited
1.	2007	Dr. U.C. Sud	III International Conference on Establishment of Surveys organised by ASA	19-21 June, 2007	Canada
2.	2007	Dr. Prajneshu	International Conference on Advances in Interdisciplinary Statistics	12-14 October, 2007	Greensboro, U.S.A.
3.	2007	Dr. V.K. Bhatia	Fourth International Conference on Agricultural Statistics	22 October, 2007	Beijing, China
4.	2007	Dr. Rajender Parsad	14th Regional Technical, Coordination Committee Meeting of the Rice Wheat Consortium	13-16 February, 2007	Kathmandu, Nepal



S. No.	Year	Name of the Faculty Member	Name of International Conference/ Seminar/ Assignments	Duration	Place Visited
5.	2008	Dr. Rajender Parsad	Final Review Meeting of the ADB Project on Enhancing, Farmers Income and Livelihoods through and Integrated Crop and Resource Management in the Rice-Wheat System in South Asia	25-26 November, 2008	Kathmandu, Nepal
6.	2009	Dr. V.K. Bhatia	ISO/TC 69 technical committee meeting as an Indian Delegate of Technical Committee MSD-3 of Bureau of Indian Standards	13-19 June, 2009	Kuala Lumpur, Malaysia
7.	2009	Dr. Rajender Parsad	As Consultant with the Computer and Biometrics Services Unit, ICARDA, Syria to conduct a training programme on Experimental design and data analysis for CAC Staff	01-05 June, 2009	Tashkent
8.	2009	Dr. Rajender Parsad	Conducted an International training Programme on Advances in Design and Analysis of Experiments at ICARDA	08-19 November, 2009	Aleppo Syria
9.	2009	Dr. A.K. Vasisht	Study visit under the project V-Page of NAIP University of Arizona, Tucson, USA	25 March to 24 May, 2009	Tucson, USA
10.	2009	Dr. A.K. Vasisht	USDA-ERS workshop	09-10 June, 2009	Washington DC, USA
11.	2009	Dr. Hukum Chandra	Small Area Estimation (SAE 2009) Conference on "Small Area Estimation"	29 June to 01 July, 2009	Elche, Spain
12.	2009	Dr. Hukum Chandra	57th Session of International Statistical Institute (ISI 2009) Conference in association with the Department of Economics and Statistics	16-22 August, 2009	Durban, South Africa
13.	2010	Dr. V.K. Bhatia	Conference on Implementing the Strategy for Improving Agricultural Statistics in Africa	01-05 February, 2010	Tunis, Tunisia
14.	2010	Dr. V.K. Bhatia	ISO/TC/69 Technical Committee/ Sub-Committees and Working Groups	14-18 June, 2010	Paris, France
15.	2010	Dr. Prajneshu	To deliver invited talks on Non-linear time-series models and their applications and Fuzzy regression analysis and its applications at Department of Mathematics and Statistics	03-10 June, 2010	University of North Carolina, Greensboro, USA
16.	2011	Dr. V.K. Bhatia	To attend ISO/TC/69 Technical Committee/Sub Committee and Working Groups	18-22 July, 2011	Berlin, Germany
17.	2011	Dr. Hukum Chandra	International Statistical Institute World Statistics Congress 2011 (ISI 2011)	21-26 August, 2011	Dublin, Ireland



S. No.	Year	Name of the Faculty Member	Name of International Conference/Seminar/Assignments	Duration	Place Visited
18.	2011	Dr. Anil Rai	FAO, Srilanka to provide Consultancy Services on the topic Feasibility Study on the Use of GIS/Remote Sensing for the Census of Agriculture by Food and Agriculture Organisation	27 September to 11 October, 2011	Srilanka
19.	2011	Dr. V.K. Bhatia	To attend the First meeting of the Steering Group for Agricultural Statistics	21-23 November, 2011	Manila, Philippines
20.	2012	Dr. A.K. Paul	International Conference on New Statistical Methods for Next Generation Sequencing Data Analysis	11 May, 2012	Iowa State University, USA
21.	2012	Dr. U.C. Sud	To attend Regional Workshop on Sampling for Agricultural Censuses and Surveys	13-18 May, 2012	Bangkok, Thailand
22.	2012	Dr. A.K. Paul	Ion Torrent™ International Workshop hosted by the Genomic Technologies Facility	22 May, 2012	Iowa State University, USA
23.	2012	Dr. V.K. Bhatia	To attend meetings of the Steering Group of Agricultural Statistics	24-25 May, 2012	Bangkok
24.	2012	Dr. V.K. Bhatia and Dr. Anil Rai	For studying the infrastructural facilities, exploring the possibility of collaboration and capacity building as a member of the team of five scientists constituted by ICAR	17-22 June, 2012	EBI, London and SIB Switzerland
25.	2012	Dr. Rajender Parsad	To attend Session on Design of Experiments of 2nd Institute of Mathematical Statistics Asia Pacific RIM Meeting and present an invited talk on Efficient Row-Column Designs for 2-colour single factor microarray experiments	02-04 July, 2012	Tsukuba, Japan
26.	2012	Dr. Hukum Chandra	22nd Colombian Symposium in Statistics	17-21 July, 2012	Bucaramanga, Colombia
27.	2012	Dr. V.K. Bhatia	To attend meetings of the Steering Group of Agricultural Statistics	18-20 July, 2012	Thailand
28.	2012	Dr. Prajneshu	13th International Pure Mathematics Conference 2012 and deliver an invited talk entitled Some Parametric Nonlinear Time-Series Models and their Applications in Agriculture	02-03 September, 2012	Islamabad, Pakistan
29.	2012	Dr. Prajneshu	International Conference on Advances in Interdisciplinary Statistics and Combinatorics at UNCG	05-07 October, 2012	USA
30.	2012	Dr. U.C. Sud	To provide Consultancy on Harmonization and Dissemination of Unified Agricultural Production Statistics	16-23 October to 18-20 December, 2012	Bangladesh



S. No.	Year	Name of the Faculty Member	Name of International Conference/ Seminar/ Assignments	Duration	Place Visited
31.	2012	Dr. V.K. Gupta	Meeting of the CRP 1.1 Dryland Systems - Integrated Agricultural Production Systems for the Poor and Vulnerable Dry Areas of the CGIAR at University of Reading, UK	26-28 November, 2012	UK
32.	2013	Dr. U.C. Sud	Third mission on Dissemination Workshop	20-30 April, 2013	Bangladesh
33.	2013	Dr. Hukum Chandra	FAO Consultant	27 July to 17 August, 2013	Ethiopia
34.	2013	Dr. Hukum Chandra	The First Asian International Statistical Institute Satellite Conference on Small Area Estimation, 2013	01-04 Sept., 2013	Bangkok, Thailand
35.	2013	Dr. Prachi Misra Sahoo	Consultancy to Ministry of Agriculture and Fisheries, Sultanate of Oman	15 Sept. to 10 October 2013	Sultanate of Oman
36.	2013	Dr. U.C. Sud	Project Harmonization and dissemination of unified agricultural production statistics in Bangladesh	17-26 September, 2013	Bangladesh
37.	2013	Dr. U.C. Sud	Sixth International Conference on Agricultural Statistics (ICAS-VI)	23-25 October, 2013	Rio-de-Janeiro, Brazil
38.	2013	Dr. Sanjeev Panwar	As a resource person for taking sessions on Genotype x Environment Analysis in the training on Application of Biometrics and Bioinformatics Tools in Crop Improvement Research	06-09 November, 2013	Nairobi, Kenya
39.	2014	Dr. U.C. Sud	Providing Consultancy on Sampling and Research Methodologies	03-15 March, 2014	Paro, Bhutan
40.	2014	Dr. Hukum Chandra	As Invited Speaker Department of Economics and Management, University of Pisa	23 July, 2014	Pisa, Italy
41.	2014	Dr. Hukum Chandra	As Invited Speaker Department of Statistics, Computer Applications, University of Florence	24 July, 2014	Florence, Italy
42.	2014	Dr. Hukum Chandra	Sixth Workshop on Forging Partnerships in Statistical Training in Asia and the Pacific: Networking for Agricultural and Rural Statistics and Experts Meeting on Skills Framework and Training Needs Assessment Tools for Agricultural and Rural Statistics at Tsukuba	02-05 September, 2014	Ibaraki, Japan
43.	2014	Dr. Sanjeev Panwar	As a resource person in the training course on Advanced Experimental Designs, Data Analysis and Management for Breeding Trials	03-08 November, 2014	Ababa, Ethiopia



S. No.	Year	Name of the Faculty Member	Name of International Conference/ Seminar/ Assignments	Duration	Place Visited
44.	2015	Dr. U.C. Sud and Dr. Tauqueer Ahmad	To attend Expert meeting on Improving methods for estimating area, yield and production under mixed and continuous cropping and Improving methods on estimating post harvest losses	15-18 April, 23 June to 01 July, 2015	FAO, Rome, Italy
45.	2015	Dr. Hukum Chandra	Consultant for short term FAO consultancy under Global Strategy to Improve Agricultural and Rural Statistics in SriLanka	16-26 June, 2015	Sri Lanka
46.	2015	Dr. Hukum Chandra	To attend the Regional Workshop on Statistical Literacy	13-17 July, 2015	Daejeon, Republic of Korea
47.	2015	Dr. Hukum Chandra	60 <sup>th</sup> International Statistics Institute World Statistics Congress 2015	26-31 July, 2015	Rio De Janeiro, Brazil
48.	2015	Dr. U.C. Sud and Dr. Tauqueer Ahmad	Resource Person for imparting training to Enumerators and Supervisors for primary data collection and to supervise live data collection	18-23 December, 2015	Jakarta, Indonesia
49.	2016	Dr. U.C. Sud and Dr. Tauqueer Ahmad	Resource Person for imparting training to Enumerators and Supervisors for primary data collection and supervise live data collection	03-09 January, 2016	Kigali, Rwanda
50.	2016	Dr. U.C. Sud and Dr. Tauqueer Ahmad	Resource Person for imparting training to Enumerators and Supervisors for primary data collection and supervise live data collection	27 January to 04 February, 2016	Kingston, Jamaica
51.	2016	Dr. Hukum Chandra	Regional Workshop on Training of Trainers for Official Statistics and Second Expert Group Meeting of the Network for the Coordination of Statistical Training in Asia and the Pacific	29 February to 04 March, 2016	Japan
52.	2016	Dr. Hukum Chandra	For supervise of data collection work under the Food and Agriculture	13-19 March, 2016	Jakarta, Indonesia
53.	2016	Dr. Ankur Biswas	To impart training on CAPI software	25-30 April, 2016	National Institute of Statistics, Kigali, Rwanda
54.	2016	Dr. Ankur Biswas	For supervisor data collection work	13-17 June, 2016	Kingston, Jamaica
55.	2016	Dr. Hukum Chandra	As International Consultant for FAO of United Nations under Global Strategy to Improve Agricultural and Rural Statistics in SriLanka	25 April to 06 May, 2016	Sri Lanka



## Research Publications of Faculty Members

S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
1.	Ahmad, T., Singh, R., Rai, Anil and Kant, A.	2007	Model for prediction of area under Yamunanagar district of Haryana	<i>Ind. J. Agril. Sci.</i> 77(1): 43-45	6.14	-
2.	Agrawal, Ranjana and Mehta, S.C.	2007	Weather based forecasting of crop yields, pests and diseases - IASRI models	<i>J. Ind. Soc. Agril. Statist</i> 61(2): 255-263	5.50	-
3.	Bhattacharya, B.K., Dutta, S., Dadhwal, V.K., Parihar, J.S., Chattopadhyay, C., Agrawal, R., Kumar, V., Khan, S.A., Roy, S. and Shekhar, C.	2007	Predicting aphid ( <i>Lipaphis erysimi</i> ) growth in oilseed Brassica using near surface meteorological data from NOAA TOVS - A case study	<i>Int. J. Rem. Sens.</i> 28(17): 3759-3773	7.65	-
4.	Chakravorti, Kalyan, Paul, Amrit and Alam, Wasi	2007	Application of clustering technique in mango and litchi germoplasm of West Bengal	<i>J. Interacademia</i> 11(1): 34-39	2.34	-
5.	Chandra, H., Salvati, N. and Chambers, R.	2007	Small area estimation for spatially correlated populations - A comparison of direct and indirect model based methods	<i>Stat. Trans.</i> 8: 887-906	-	-
6.	Das, M.N., Lahiri, Alope and Shukla, Mukti Kant	2007	A convenient algorithm for extraction of any root of any number	<i>J. Stat. Appl.</i> 5(1-2): 99-100	-	-
7.	Dhar, Vishwa, Singh, S.K., Kumar, M., Agrawal, R. and Kumar, Amrender	2007	Prediction of pod borer ( <i>Helicoverpa armigera</i> ) infestation in short duration pigeonpea ( <i>Cajanus cajan</i> ) in central Uttar Pradesh	<i>Ind. J. Agril. Sci.</i> 77(10): 701-704	6.14	-
8.	Ganguly, S., Anupama, Parmar, B.S. and Kumar, A.	2007	Effect of a new hydrogel formulation on shelf life characteristics of <i>Steinernema thermophilum</i>	<i>Nematology Mediterrania</i> 742: 43-50	-	-
9.	Gupta, A.K., Narang, M.S., Jain, V.K., Sud, U.C. and Tyagi, K.K.	2007	Estimation of area, production and productivity of flowers in Delhi	<i>Int. J. Agril. Statist. Sci.</i> 3(1): 7-15	4.00	-
10.	Jaggi, Seema, Varghese, Cini and Gupta, V.K.	2007	Optimal circular block designs for neighbouring competition effects	<i>J. Appl. Statist.</i> 34(5): 577-584	6.42	-
11.	Jeeva, J.C., Khasim, D.I., Srinath, K., Unnithan, G.R., Murthy, K.L.N., Rao, M.T., Bathla, H.V.L. and Ahmad, T.	2007	Post harvest losses at various marketing channels in inland fisheries sector	<i>Fishery Tech.</i> 44(2): 213-220	4.87	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
12.	Joshi, A.K., Ortiz-Ferrara, G., Crossa, J., Singh, G., Sharma, R.C., Chand, R. and Parsad, R.	2007	Combining superior agronomic performance and terminal heat tolerance with resistance to spot blotch ( <i>Bipolaris sorokiniana</i> ) of wheat in the warm humid Gangetic Plains of South Asia	<i>Field Crops Research</i> 103: 53-61	8.98	-
13.	Kaur, Charanjit, George, Binoy, Deepa, N., Jaggi, Seema and Kapoor, H.C.	2007	Viscosity and quality of tomato pulp as affected by processing methods	<i>J. Food Qual.</i> 30(6): 864-877	6.84	-
14.	Kaur, Rajinder, Kumar, Pramod, Sharma, V.K. and Tomar, R.S.	2007	Enhancing net return through intensification and diversification of rice varieties based crop sequences	<i>Asia Pacific J. Environ. Dev.</i> 14(1): 65-79	-	-
15.	Kumar, Jitendra, Nisar, K., Kumar, Arun, M.B., Walia, Suresh, Shakil, N.A., Parsad, R. and Parmar, B.S.	2007	Development of polymeric seed coats for seed quality enhancement of soybean ( <i>Glycine max</i> )	<i>Ind. J. Agril. Sci.</i> 77(11): 738-743	6.14	-
16.	Lahiri, Alope and Das, M.N.	2007	Finding eigen-values related to precision of GCA effects using diallel crossing plans	<i>J. Stat. Appl.</i> 5(1-2): 101-104	-	-
17.	Lal, Krishan, Parsad, Rajender and Gupta, V.K.	2007	Trend-free nested balanced incomplete block designs and designs for diallel cross experiments	<i>Cal. Stat. Assoc. Bull.</i> 59(237-238): 203-221	-	-
18.	Laxmi, R.R., Kaushik, Bhagrith and Lal, Krishan	2007	Rate of spread of human deficiency: case studies of Haryana, Manipur and Jammu & Kashmir	<i>Ind. J. Appl. Statist.</i> 11: 14-18	-	-
19.	Pal, Satya, Ramasubramanian, V. and Mehta, S.C.	2007	Statistical models for forecasting milk production in India	<i>J. Ind. Soc. Agril. Statist.</i> 61(2): 80-83	5.50	-
20.	Parsad, Rajender, Kageyama, Sanpei and Gupta, V.K.	2007	Use of complementary property of block designs in PBIB designs	<i>ARS Combinatoria</i> 85: 173-182	6.26	-
21.	Rai, Anil, Malhotra, P.K., Sharma, S.D. and Chaturvedi, K.K.	2007	Data warehousing for agricultural research - An integrated approach for decision making	<i>J. Ind. Soc. Agril. Statist.</i> 61(2): 264-273	5.50	-
22.	Rai, Anil, Dubey, Vipin, Chaturvedi, K.K. and Malhotra, P.K.	2007	Issues of design and development of agricultural data warehouse in India	<i>CSI Communications</i> 31(1): 43-51	-	-
23.	Rai, Anil, Gupta, N.K. and Singh, Randhir	2007	Small area estimation of crop production using spatial models	<i>J. Model Assisted Statist. Appl.</i> 2(2): 89-98	-	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
24.	Ramasubramania, V., Rai, Anil and Singh, Randhir	2007	Jackknife variance estimation under two phase sampling	<i>J. Model Assisted Statist. Appl.</i> 2(1): 27-35	-	-
25.	Rao, A.R. and Varghese, Cini	2007	Estimation of variance of treatment contrasts under different model setups in repeated measurements designs	<i>Ind. J. Appl. Statist.</i> 11: 19-26	-	-
26.	Rao, A.R. and Prabhakaran, V.T.	2007	Simultaneously selection of cultivars for yield and stability in crop improvement trials	<i>Ind. J. Genet.</i> 67(2): 161-165	4.00	-
27.	Roca, X., Olson, A.J., Rao, A.R., Enerly, E.R., Kristensen, V.N., Dale, A.B., Anderson, B.S., Krainer, A.R. and Schidanandam, R.	2007	Features of 5' splice site efficiency derived from disease causing mutations and comparative genomics	<i>Genome Research</i> 18(1): 77-87	20	-
28.	Sandhya Kiran, P., Bhatia, V.K. and Paul, A.K.	2007	Bayesian estimation of heritability in different situations	<i>J. Anim. Sci.</i> 77(11): 1188-1191	8.11	-
29.	Sandhya Kiran, P., Bhatia, V.K. and Paul, A.K.	2007	Estimation of heritability by modified ANOVA method in different situations	<i>J. Anim. Sci.</i> 77(11): 1184-1187	8.11	-
30.	Sandhya Kiran, P., Bhatia, V.K. and Paul, A.K.	2007	Estimation of heritability of robust method in case of half sib	<i>J. Anim. Sci.</i> 77(12): 1301-1306	8.11	-
31.	Sarika and Iquebal, M.A.	2007	Modelling and forecasting of pigeonpea ( <i>Cajanus cajan</i> ) in Orissa using ARIMA methodology	<i>Ind. J. Appl. Statist.</i> 11: 27-29	-	-
32.	Sharma, A., Varghese, C., Rao, A.R., Gupta, V.K. and Pal, S.	2007	SPRMD – A statistical package for cataloguing and generation of repeated measurement designs	<i>J. Ind. Soc. Agril. Statist.</i> 61(1): 84-90	5.50	-
33.	Singh, N.O., Paul, Amrit Kumar and Alam, Wasi	2007	Non-linear models to describe growth pattern of <i>Tor putitora</i> (Hamilton) under monoculture and polyculture systems	<i>Ind. J. Anim. Sci.</i> 77(12): 1346-1348	6.16	-
34.	Srinath, K., Unnithan, G.R., Gopal, N., Nair, R.V., Bathla, H.V.L. and Ahmad, T.	2007	Harvest losses in marine fisheries	<i>Fish. Tech.</i> 44(1): 117-120	4.87	-
35.	Srivastava, A.K., Sud, U.C. and Chandra, H.	2007	Small area estimation - An application to NSSO data	<i>J. Ind. Soc. Agril. Statist.</i> 61(2): 249-254	5.50	-





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36.	Srivastava, R., Parsad, Rajender, Dey, Amitava and Gupta, V.K.	2007	A-efficient block designs for symmetric parallel line assays	<i>Utilitas Mathematica</i> 73: 239-253	6.35	-
37.	Vishwakarma, R.K., Wanjari, O.D., Rai, Anil, Bathla, H.V.L. and Gupta, R.K.	2007	New methodology to study harvest and post-harvest losses in groundnut	<i>Agril. Situation India</i> 625-630	2.76	-
38.	Wimmer, K., Roca, X., Beiglbock, H., Etzler, J., Rao, A.R., Krainer, A.R., Fonatsch, C. and Massiaen, L.	2007	Extensive in silico analysis of NF1 splicing defects uncovers determinants for splicing outcome upon 5' splice site disruption	<i>Human Mutation</i> 28(6): 599-612	11.14	-
39.	Ahuja, Sangeeta, Malhotra, P.K., Bhatia, V.K. and Parsad, Rajender	2008	Statistical package for agricultural research (SPAR 2.0)	<i>J. Ind. Soc. Agril. Statist.</i> 62(1): 65-74	5.50	-
40.	Chaturvedi, K.K., Rai, Anil, Dubey, Vipin and Malhotra, P.K.	2008	Online analytical processing in agriculture using multidimensional cubes	<i>J. Ind. Soc. Agril. Statist.</i> 62(1): 56-64	5.50	-
41.	Ganguly, S., Anupama, Kumar, A. and Parmar, B.S.	2008	Nemagel - A formulation of the entomopathogenic nematode, <i>Steinernema thermophilum</i> mitigating the shelf life constraint of the tropics	<i>Nematologia Mediterranea</i> 36: 125-130		-
42.	Gupta, V.K.	2008	Orthogonal arrays and their applications	<i>J. Ind. Soc. Agril. Statist.</i> 62(1): 1-18	5.50	-
43.	Gupta, V.K., Parsad, Rajender, Bhar, L.M. and Kole, Basudev	2008	Supersaturated designs for asymmetrical factorial experiments	<i>J. Statist. Theo. Prac.</i> 2(1): 95-108	4.72	-
44.	Gupta, V.K., Parsad, Rajender, Kole, Basudev and Bhar, Lal Mohan	2008	Computer-generated construction of efficient two level supersaturated designs	<i>J. Ind. Soc. Agril. Statist.</i> 62(2): 183-194	5.50	-
45.	Jha, Iti, Deb, Dibyendu, Malhotra, P.K., Parsad, Rajender, Bhatia, V.K. and Ahuja, Sangeeta	2008	AMMI, SREG and FREG models for stability analysis in SPAR 2.0	<i>J. Ind. Soc. Agril. Statist.</i> 62(3): 283-288	5.50	-
46.	Kumar, Bhupender, Rakshit, Sujay, Singh, R.D., Gadag, R.N., Nath, Ravindra, Paul, A.K. and Alam, Wasi	2008	Genetics diversity of early maturing Indian maize ( <i>Zea mays</i> L.) inbred lines revealed by SSR markers	<i>J. Plant Biochem. Biotech.</i> 17: 364-368	7.09	-
47.	Kumar, Suman, Hooda, B.K., Jaggi, Seema and Singh, Rajendra	2008	Use of dummy variables for investigating structural stability in fertilizer yield response models	<i>Ind. J. Agril. Sci.</i> 78(2): 183-186	6.14	-



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48.	Mondal, K., Sugha, S.K. and Bhar, L.M.	2008	Antibacterial potential of panchagavya-based microbes against bacterial wilt of tomato	<i>Ind. Phytopatho.</i> 61: 354-355	4.59	-
49.	Nilakanta, Sree, Scheibes, Kevin and Rai, Anil	2008	Dimensional issues in agricultural data warehouse design	<i>Comp. Elect. Agric.</i> 60(2): 263-278	7.76	-
50.	Parsad, Rajender, Gupta, V.K., Kumar, Jitendra and Shakil, N.A.	2008	Significance of statistical tools for agrochemical research	<i>Pest. Res. J.</i> 20(2A): 8-17	4.16	-
51.	Patil, J.P., Sarangi, A., Singh, O.P., Singh, A.K. and Ahmad, T.	2008	Development of a GIS interface for estimation of runoff from watersheds	<i>Water Resour. Manage.</i> 22(9): 1221-1239	-	-
52.	Prabhakaran, V.T. and Rao, A.R.	2008	A new approach to the estimation of variance of sample heritability from full-sib analysis	<i>J. Ind. Soc. Agril. Statist.</i> 62: 208-213	5.50	-
53.	Prajneshu	2008	Fitting of Cobb-Douglas production functions: Revisited	<i>Agril. Eco. Res. Rev.</i> 21: 289-292	5.68	-
54.	Rai, Anil, Dubey, Vipin, Chaturvedi, K.K. and Malhotra, P.K.	2008	Design and development of data mart for animal resources	<i>Comp. Electron. Agric.</i> 21(2): 173-182	7.76	-
55.	Rai, Anil, Sharma, S.D., Sahoo, Prachi Misra and Malhotra, P.K.	2008	Development of livelihood index for different agro-climatic zones of India	<i>Agril. Eco. Res. Rev.</i> 21(2): 173-182	5.68	-
56.	Ramasubramania, V.	2008	Role of statistics and information technology in bioinformatics	<i>Current Biotica</i> 2(1): 114-116	5.68	-
57.	Sethi, S., Samuel, D.V.K. and Lal, Krishan	2008	Inter-relationship between cooking time and some physico-chemical characteristics in pigeon pea ( <i>Cajanus Cajan</i> ) genotypes	<i>J. Agric. Engg.</i> 45(2): 62-65	4.27	-
58.	Singh, Gyan, Kaur, Rajinder and Kumar, Anil	2008	Sustainable production management for rice-wheat cropping system	<i>J. Farm. Sys. Res. Dev.</i> 14(1): 56-59	3.41	-
59.	Singh, O.N., Wahi, S.D. and Paul, A.K.	2008	Optimum sample size for estimating the precision of heritability by parent-offspring regression	<i>J. Genet. Evol.</i> 1(1): 28-35	-	-
60.	Singh, Surindra, Bhar, L.M. and Paul, A.K.	2008	Growth pattern of crossbred cattle under homoscedastic and heteroscedastic error variance conditions	<i>Ind. J. Anim. Sci.</i> 78(5): 560-564	6.16	-
61.	Singh, Surindra, Paul, A.K. and Bhar, L.M.	2008	Growth pattern in double and triple crosses cattle at Dehradun farm	<i>Ind. J. Anim. Sci.</i> 78(6): 661-662	6.16	-



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62.	Singh, S., Singh, O.P., Adlakha, S.K., Sikarwar, H. and Ahmad, T.	2008	Reclamation and management of alkali soils – A decision support system	<i>J. Soil Water Conser.</i> 7(1): 25-32	7.60	-
63.	Sivaramane, N., Kumar, Anil, Singh, D.R. and Arya, Prawin	2008	An economic analysis of traditional and hi-tech rose ( <i>Rosa</i> spp.) cultivation	<i>J. Ornaml. Hort.</i> 11(1): 21-26	-	-
64.	Srinath, K., Nair, R.V., Unnithan, G.R., Gopal, N., Bathla, H.V.L. and Ahmad, T.	2008	Post harvest losses in marine fisheries	<i>Fish. Technol.</i> 45(1): 109-112	4.87	-
65.	Yadav, D.K. and Bhar, L.M.	2008	Robust model fitting in muzaffarnagri sheep growth data under field conditions	<i>Ind. J. Anim. Sci.</i> 78(11): 1285-1287	6.16	-
66.	Arnab, R. and Sud, U.C.	2009	A note on variance estimation of ratio estimate in two phase sampling	<i>Model Asst. Statist. Appl.</i> 5(1): 51-60	-	-
67.	Bhardwaj, S.P. and Vasisht, A.K.	2009	Price volatility and integration in spot and future markets	<i>Ind. J. Agril. Mktg.</i> 23(1): 46-57	2.89	-
68.	Bhardwaj, S.P. and Vasisht, A.K.	2009	Strategic measures to meet market challenges in the changing scenario of liberalization	<i>Ind. J. Agril. Mktg.</i> 23(3): 42-54	2.89	-
69.	Chandra, H.	2009	Estimation of small area proportions under unit level spatial models	<i>J. Ind. Soc. Agril. Statist.</i> 63(3): 267-276	5.50	-
70.	Chandra, H. and Chambers, R.	2009	Multipurpose weighting for small area estimation	<i>J. Official Statist.</i> 25(3): 379-385	6.69	-
71.	Chhikara, Raj S. and Sud, U.C.	2009	Estimation of population and domain totals under two-phase sampling in the presence of non-response	<i>J. Ind. Soc. Agril. Statist.</i> 63(3): 297-304	5.50	-
72.	Gandhi, R.S., Kumar, Amit, Singh, Avtar and Paul, A.K.	2009	Genetic analysis of stayability in dairy cattle: A review	<i>Ind. J. Dairy Sci.</i> 62: 79-89	4.19	-
73.	Gupta, A.K., Bathla, H.V.L., Sud, U.C. and Tyagi, K.K.	2009	Methodology for estimation of production of flowers on the basis of market arrivals	<i>J. Ind. Soc. Agril. Statist.</i> 63(3): 259-266	5.50	-
74.	Gupta, V.K., Bhar, L.M., Parsad, Rajender and Kole, Basudev	2009	Efficient unbalanced multi-level supersaturated designs	<i>J. Statist. Appl.</i> , 4(2&3): 443-445	-	-
75.	Gupta, V.K., Singh, Poonam, Kole, Basudev and Parsad, Rajender	2009	Construction of efficient unbalanced mixed-level supersaturated designs	<i>Statist. Probab. Lett.</i> 79(5): 2359-2366	6.60	-
76.	Gupta, V.K., Singh, Poonam, Kole, Basudev and Parsad, Rajender	2009	Construction of optimal mixed-level supersaturated designs	<i>J. Ind. Soc. Agril. Statist.</i> 63(3): 311-319	5.50	-



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77.	Jaggi, Seema, Gill, A.S., Varghese, Cini, Sharma, V.K. and Singh, N.P.	2009	Impact assessment of agroforestry system on yield of associated barley ( <i>Hordeum vulgare</i> ) and gram ( <i>Cicer arietinum</i> ) crops	<i>Current Adv. Agril. Sci.</i> 1(2): 101-105	3.96	-
78.	Jain, R., Minz, S. and Ramasubramanian V.	2009	Machine learning for forewarning crop diseases	<i>J. Ind. Soc. Agril. Statist.</i> 63(1): 97-107	5.50	-
79.	Kumar, Amit, Gandhi, R.S. and Paul, A.K.	2009	Genetic evaluation of lifetime traits in sahiwal cattle	<i>Ind. J. Dairy Sci.</i> 62(1): 31-34	4.19	-
80.	Nisar, K., Kumar, Jitendra, Kumar, M.B. Arun, Walia, Suresh, Shakil, Najam A., Parsad, R. and Parmar, B.S.	2009	Pesticidal seed coats based on azadirachtin-A: Release kinetics, storage life and performance	<i>Pest Manage. Sci.</i> 65(2): 175-182	8.69	-
81.	Narain, P., Sharma, S.D., Rai, S.C. and Bhatia, V.K.	2009	Inter district variation of socio-economic development in Andhra Pradesh	<i>J. Ind. Soc. Agril. Statist.</i> 63(1): 35-42	5.50	-
82.	Narain, Prem, Bhatia, V.K. and Rai, S.C.	2009	Evaluation of variation in socio-economic development in the states of eastern region	<i>J. Ind. Soc. Agril. Statist.</i> 63(3): 227-235	5.50	-
83.	Panwar, Sanjeev, Sharma, S.C., Kumar, Anil and Kaul, Sushila	2009	State-wise analysis of onion production in India using non-linear approach	<i>Agril. Situation India</i> 65(1): 689-698	2.76	-
84.	Paul, A.K., Kundu, M.G., Singh, S. and Singh, Pal	2009	Heritability of growth curve parameters of pigs	<i>Ind. J. Anim. Sci.</i> 79(7): 716-719	6.16	-
85.	Paul, A.K., Kundu, M.G., Singh, S. and Singh, Pal	2009	Some aspect of efficiency of early selection in pigs	<i>Ind. J. Anim. Sci.</i> 79(7): 729-731	6.16	-
86.	Sarkar, Susheel Kumar, Lal, Krishan, Parsad, Rajender and Gupta, V.K.	2009	Generation of linear trend free designs for factorial experiments	<i>J. Ind. Soc. Agril. Statist.</i> 63(2): 165-174	5.50	-
87.	Sharma, Anu, Varghese, Cini and Rao, A.R.	2009	Software for the analysis of repeated measurements designs	<i>Ind. J. Anim. Sci.</i> 79(4): 445-448	6.16	-
88.	Singh, Okendro N., Alam, Wasi, Paul, A.K. and Kumar, Surinder	2009	Length-weight relationship and growth pattern of <i>Tor putitora</i> (Hamilton) under monoculture and polyculture systems: A case study	<i>J. Ind. Soc. Agril. Statist.</i> 63(1): 85-90	5.50	-
89.	Singh, Okendro N., Joshi, C.B. and Paul, A.K.	2009	Non-linear statistical models on estimation of maximum size of <i>Tor putitora</i> (Hamilton) in different aquatic environments	<i>Ind. J. Fish.</i> 56(2): 103-106	6.22	-
90.	Singh, Surendra, Bhar, L.M., Paul, A.K. and Sivaramane, N.	2009	Modeling for growth pattern in cross breeding cattle along with auto-correlation	<i>J. Ind. Soc. Agril. Statist.</i> 63(2): 159-164	5.50	-



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91.	Sivaramane, N., Singh, D.R. and Arya, Prawin	2009	An econometric analysis of household demand of major vegetables in India	<i>Ind. J. Agric. Mktg.</i> 23(1): 66-76	2.89	-
92.	Sood, Pankaj, Nanda, Amarjeet Singh, Singh, Narinder, Javed, Mohammed and Parsad, R.	2009	Effect of lameness on follicular dynamics in crossbred cows	<i>Veterinarski Arhiv.</i> 79(2): 131-141	6.36	-
93.	Sud, U.C., Bathla, H.V.L., Muralidharan, K., Mathur, D.C., Thamban, C. and Sairam, C.V.	2009	Estimating cost of production of coconut in a region	<i>J. Plantation Crops</i> 37(3): 201-205	3.06	-
94.	Varghese, C., Rao, A.R. and Gupta, V.K.	2009	Optimal change-over designs under treatment $\times$ unit interaction	<i>Int. J. Appl. Math. Statist.</i> 14: 27-34	-	-
95.	Vasisht, A.K. and Singh, D.R.	2009	An analysis of capital formation in fisheries sector in India	<i>Asian Fish. Sci.</i> 22(2): 823-837	3.40	-
96.	Vasisht, A.K. and Bhardwaj, S.P.	2009	Price dynamics of agricultural commodity futures and its impact on demand supply situation of agricultural commodities	<i>Ind. J. Agril. Mktg.</i> 23(3): 72-82	2.89	-
97.	Wahi, S.D., Dash, Sukanta and Rao, A.R.	2009	An empirical investigation on classical clustering methods	<i>J. Genet. Evol.</i> 2: 75-78	-	-
98.	Yadav, Dinesh Kumar, Singh, Gurmej, Jain, Anand, Singh, Surendra and Paul, A.K.	2009	Fitting of growth models and evaluation of marwari sheep under field conditions	<i>Ind. J. Anim. Sci.</i> 79: 1242-1244	6.16	-
99.	Ahmad, T. and Kathuria, O.P.	2010	Estimation of crop yield at block level.	<i>Adv. Appl. Res.</i> 2(2): 164-172	2.98	-
100.	Ahmad, T., Rai, A. and Singh, R.	2010	Statistical evaluation of development of village's potential for agro forestry using GIS	<i>Adv. Appl. Res.</i> 2(2): 157-163	2.98	-
101.	Alam, W. and Chaturvedi, A.	2010	Discriminating among overlapping parametric models and estimating survivorship function of insects mortality	<i>Int. J. Comp. Sci. Math.</i> 2(1): 1-10	-	-
102.	Chandra, H.	2010	Small area estimation with binary variables	<i>J. Ind. Soc. Agril. Statist.</i> 64(3): 367-374	5.50	-
103.	Chandra, H., Bathla, H.V.L. and Sud, U.C.	2010	Small area estimation under a mixture model	<i>Statist. in Transition</i> 11(3): 503-516	-	-



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104.	Gangopadhyay, K.K., Mahajan, R.K., Parsad, Rajender, Kumar, Gunjeet, Meena, B.L., Kar, Ranjan, Gambhir, Rajeev and Mishra, S.K.	2010	Relative efficiency of experimental designs in evaluation of plant genetic resources	<i>Ind. J. Plant Gene. Reso.</i> 23(2): 164-167	4.61	-
105.	Gupta, V.K., Singh, Poonam, Kole, Basudev and Parsad, R.	2010	Addition of runs to a two level supersaturated design	<i>J. Statist. Plann. Inf.</i> 140(9): 2531-2535	6.68	-
106.	Gupta, V.K., Singh, Poonam, Kole, Basudev and Parsad, R.	2010	Construction of efficient balanced and nearly balanced two-level supersaturated designs	<i>J. Statist. Appl.</i> 5(2): 179- 194	-	-
107.	Gupta, V.K., Singh, Poonam, Kole, Basudev and Parsad, R.	2010	Computer aided construction of efficient multi-level supersaturated designs	<i>J. Statist. Theo. Prac.</i> 4(2): 221-231	4.72	-
108.	Jaggi, Seema, Varghese, Cini, Varghese, Eldho and Sharma, V.K.	2010	Generalized incomplete trojantype designs	<i>Statist. Probab. Lett.</i> 80: 706-710	6.60	-
109.	Kole, Basudev, Gangwani, Jyoti, Gupta, V.K. and Parsad, R.	2010	Two-level supersaturated designs: A review	<i>J. Statist. Theo. Prac.</i> 4(4): 589- 608	4.72	-
110.	Kumar, Jitendra, Nisar, Keyath, Shakil, N.A., Walia, Suresh and Parsad, R.	2010	Controlled release formulations of metribuzin: Release kinetics in water and soil	<i>J. Env. Sci. Health, Part B: Pesticides, Food Contaminants, and Agricultural Wastes</i> 45(4): 330-335	7.20	-
111.	Kundu, M.G. and Paul, A.K.	2010	Phenotypic and genetic variability of estimated growth curve parameters in pigs	<i>J. Ind. Soc. Agril. Statist.</i> 64(3): 349-358	5.50	-
112.	Madke, P.K., Lathwal, S.S., Singh, Yajuvendra, Kumar, Anil and Kaushik, Vinay	2010	Study of behavioural and physiological changes of crossbred cows under different shelter management practices	<i>Ind. J. Anim. Sci.</i> 80(8): 771-774	6.16	-
113.	Maheswaran, Manjunath, Prasanna, Radha, Nain, Lata, Dureja, Prem, Singh, Rajinder, Kumar, Arun, Jaggi, Seema and Kaushik, Brahma D.	2010	Biocontrol potential of cyanobacterial metabolites against damping off disease caused by <i>Pythium aphanidermatum</i> in solaneous vegetables	<i>Archives of Phytopath. Plant Nutrition</i> 43(7): 666-677	-	-
114.	Nikam, S.S., Mishra, A.K., Sarangi, A., Paresh, B.S., Singh, D.K. and Ramasubramania, V.	2010	Artificial neural network models to predict wheat crop evapotranspiration	<i>J. Agril. Engg.</i> 47(2): 20-25	4.27	-



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115.	Panwar, Sanjeev, Kumar, Anil, Dagar, Sanjeet and Singh, Prem	2010	Identification of indicators for sustainability of agriculture	<i>J. Farm. Sys. Res. Dev.</i> 16(1&2): 156-163	3.41	-
116.	Paul, R.K. and Das, M.K.	2010	Statistical modelling of inland fish production in India	<i>J. Inland Fish. Soc.</i> 42: 1-7	-	-
117.	Ramasubramanian V., Agrawal, R. and Bhar, L.M.	2010	Crop forecasting using multiple markov chains	<i>Assam Statist. Rev.</i> 24(1): 37-56	-	-
118.	Salvati, N., Chandra, Hukum, Giovanna, R and Chambers, R.	2010	Small area estimation using a nonparametric model based direct estimator	<i>Comput. Statist. Data Anal.</i> 54(9): 2159-2171	7.40	-
119.	Sarkar, Basudeb, Verma, R.P.S., Parsad, R. and Shoran, Jag	2010	Diversity among barley germplasm collection in India	<i>Ind. J. Genet. Plant Breed.</i> 70(3): 234-239	6.19	-
120.	Sharma, V.K., Varghese, Cini and Jaggi, Seema	2010	Tetrahedral and cubical association schemes with related PBIB(3) designs	<i>Model Assist. Statist. Appl.</i> 5(2): 93-99	-	-
121.	Shukla, Rajesh, Rai, Anil and Monga, Nitasha	2010	India protection index: An objective measurement of the economic and social well-being of the Indian population	<i>J. Appl. Eco. Res.</i> 4(3): 339-367	-	-
122.	Singh, Okendro N., Wahi, S.D. and Paul, A.K.	2010	Performance evaluation of bootstrap strategies on the estimate of standard error of heritability by halfsib method	<i>Ind. J. Anim. Sci.</i> 80(1): 81-84	6.16	-
123.	Singh, Okendro N. and Paul, A.K.	2010	Fitting of allometric model with expected-value parameters for different species of snow trout from Jhelum river, Kashmir	<i>Ind. J. Anim. Sci.</i> 80(1): 85-88	6.16	-
124.	Singh, Surendra, Vasisht, A.K., Paul, A.K., Sharma, S.C. and Bhar, L.M.	2010	The effect of farms on growth pattern of crossbred cattle	<i>Ind. J. Anim. Sci.</i> 80(4): 373-375	6.16	-
125.	Srinivasan, K, Ashokan, PK, Kunhamu, TK, Navas, IE and Varghese, Eldho	2010	Influence of multipurpose trees (MPTS) on physico-chemical properties of soil in coconut based agro-forestry system	<i>Ind. J. Agroforestry</i> 12(2): 6-13	4.50	-
126.	Sud, U.C., Chandra, H. and Chhikara, R.S.	2010	Domain estimation in the presence of non-response	<i>J. Ind. Soc. Agril. Statist.</i> 64(3): 343-348	5.50	-
127.	Tyagi, K.K., Singh, Jagbir, Kher, K.K., Jain, V.K. and Singh, Surendra	2010	Status and projection estimates of agricultural implements and machinery	<i>Ind. Agril. Engg. Today</i> 34(4): 5-14		-



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128.	Yadav, D.K., Singh, G., Jain, A., Paul, A.K. and Singh, S.	2010	A comparison of nonlinear models for describing growth in Muzaffarnagar lambs under field conditions	<i>Ind. J. Anim. Sci.</i> 80(6): 581-583	6.16	-
129.	Ahmad, T., Bathla, H.V.L., Rai, A., Mathur, D.C. and Sood, R.M.	2011	An alternative sampling methodology for estimation of area and production of horticultural crops	<i>Model Assist. Statist. Appl.</i> 6(4): 325-336	-	-
130.	Behra, S.K., Singh, M.V., Singh, K.N. and Todwal, Sandeep	2011	Distribution variability of total and extractable zinc cultivated acid soils of India and their relationship with some selected soil properties	<i>Geoderma</i> 162: 242-250	8.77	-
131.	Chambers, R., Chandra, H. and Tzavidis, N.	2011	On bias-robust mean squared error estimation for linear predictors for domains	<i>Survey Methodology</i> 37(2): 153-170	6.83	-
132.	Chandra, G., Tiwari, N. and Chandra, H.	2011	Adaptive cluster sampling based on ranked sets	<i>Adv. Methodology Statist.</i> 8(1): 39-55	-	-
133.	Chandra, H.	2011	Model-based direct vs indirect estimators for small areas	<i>J. Ind. Soc. Agril. Statist.</i> 65(3): 347-358	5.50	-
134.	Chandra, H. and Chambers, R.	2011	Small area estimation for skewed data in presence of zeros	<i>Cal. Statist. Assoc. Bull.</i> 63: 249-252	-	-
135.	Chandra, H. and Chambers, R.	2011	Small area estimation under transformation to linearity	<i>Survey Methodology</i> 37(1): 39-51	6.83	-
136.	Chandra, H., Salvati, N. and Sud, U.C.	2011	Disaggregate-level estimates of indebtedness in the state of Uttar Pradesh in India- An application of small area estimation technique	<i>J. Appl. Statist.</i> 38(11): 2413-2432	6.42	-
137.	Chandra, Hukum, Sud, U.C. and Nicola, Salvati	2011	Estimation of district level poor households in the state of Uttar Pradesh in India by combining NSSO survey and census data	<i>J. Ind. Soc. Agril. Statist.</i> 65(1): 83-90	5.50	-
138.	Chattopadhyay, C., Bhattacharya, B.K., Kumar, Vinod, Kumar, Amrender and Meena, P.D.	2011	Impact of climate change on pests and diseases of oilseeds brassica – the scenario unfolding in India	<i>J. Oilseed Brassica</i> 2(2): 48-55	3.43	-
139.	Choudhary, A.K., Singh, D. and Iqbal, M.A.	2011	Selection of pigeonpea ( <i>Cajanus cajan</i> ) genotypes for tolerance to aluminum toxicity	<i>Plant Breeding</i> 130(4): 492-495	7.60	-





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140.	Dash, J.A., Sarangi, A., Singh, A.K., Sahoo, R.N., Bhar, L.M. and Dutta, S.P.	2011	Dynamics and budgeting of nitrate in crop root zone for assessment of groundwater pollution in the IARI farm	<i>Pusa AgriScience</i> 34: 79-86	2.20	-
141.	Garg, K.C., Kumar, S., Bhatia, V.K., Ramasubramanian, V., Kumar, Amrender and Kumari, J.	2011	Plant genetics and breeding research: Scientometric profile of selected countries with special reference to India	<i>Ann. Lib. Info. Stud.</i> 58(6): 184-197	-	-
142.	Ghosh, H. and Prajneshu	2011	Statistical learning theory for fitting multimodal distribution to rainfall data: An application	<i>J. Appl. Statist.</i> 38(11): 2533-2545	6.42	-
143.	Goyal, P., Chahar, M., Mathur, A.P., Kumar, Amrender and Chattopadhyay, C.	2011	Morphological and cultural variation in different oilseed brassica isolates of alternaria brassicae from different geographical regions of India	<i>Ind. J. Agril. Sci.</i> 81(11): 1052-1058	6.14	-
144.	Gupta, V.K., Nigam, A.K., Parsad, Rajender and Bhar, L.M.	2011	Resolvable block designs for factorial experiments with full effects efficiency	<i>J. Ind. Soc. Agril. Statist.</i> 65(3): 305-315	5.50	-
145.	Jaggi, Seema, Gill, A.S., Varghese, Cini, Sharma, V.K. and Singh, N.P.	2011	Statistical evaluation of fodder trees under an agroforestry system	<i>The Ind. Forester</i> 137(1): 113-120	4.27	-
146.	Jha, G.K., Sivaramane, N., Padaria, R.N., Singh, N.P. and Kumar, Ranjit	2011	Identifying the determinants of poverty in rural and urban India	<i>Ind. J. Extn. Edu.</i> 47(1&2): 75-79	3.26	-
147.	Johnson, B., Vijayaragavan, K., Singh, Premlata, Mathur, V.C., Jaggi, Seema and Sharma, D.K.	2011	Innovations and local adaptations in adoption of system of rice intensification	<i>Pusa AgriScience</i> 34: 87-95	2.20	-
149.	Karak, T., Abollino, O., Bhattacharyya, P., Das, K.K. and Paul, R.K.	2011	Fractionation and speciation of arsenic in three tea gardens soil profiles and distribution of as in different parts of tea plant ( <i>Camellia Sinensis</i> L.)	<i>Hemosphere</i> 85: 948-960	-	-
150.	Kumar, Anil, Panwar, Sanjeev and Choudhary, V.K.	2011	Fitting linear/nonlinear models using long term fertility experiments	<i>Int. J. Agril. Statist. Sci.</i> 7(2): 645-650	4.00	-
151.	Kumar, J., Jaiswal, V., Kumar, Amrender, Kumar, N., Mir, R.R., Kumar, S., Dhariwal, R., Tyagi, S., Khandelwal, M., Prabhu, KV, Parsad, Rajender, Balyan, H.S. and Gupta, P.K.	2011	Introgression of a major gene for high grain protein content in some Indian bread wheat cultivars	<i>Field Crops Res.</i> 123(3): 187-280	8.98	-



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152.	Kumar, Prem, Saxena, K.K., Singh, N. Okendro, Nayak, Ashok K., Tyagi, B.C., Ali, S., Pandey, N.N. and Mahanta, P.C.	2011	Application of multivariate statistical techniques for water quality characterization of Sarda Sagar Reservoir	<i>India Ind. J. Fish.</i> 58(4): 21-26	6.22	-
153.	Laxmi, Ratna Raj and Kumar, Amrender	2011	Forecasting of powdery mildew in mustard ( <i>Brassica Juncea</i> ) crop using artificial neural networks approach	<i>Ind. J. Agril. Sci.</i> 81(9): 855-860	6.14	-
154.	Laxmi, Ratna Raj and Kumar, Amrender	2011	Weather based forecasting model for crops yield using neural network approaches	<i>Statist. Appl.</i> 9(1&2 New Series): 55-69	-	-
155.	Malik, N., Biswas, A.K., Raju, C.B. and Mandal, B.N.	2011	Bio-monitoring of heavy metal pollution in a fishery reservoir of Central India	<i>Fresenius Environ. Bull.</i> 20(12): 3381-3386	6.38	-
156.	Mandal, B.N., Gupta, V.K. and Parsad, Rajender	2011	Construction of efficient mixed-level k-circulant supersaturated designs	<i>J. Statist. Theo. Prac.</i> 5(4): 627-648	4.72	-
157.	Narayanan, G., Singh, Premlata, Vijayaragavan, K., Rao, D.U.M., Mathur, V.C. and Jaggi, Seema	2011	Profile of self-help group microentrepreneurs under swarnajayanti gram swaroz-garyojana in Tamil Nadu	<i>Pusa AgriScience</i> 34: 100-107	2.2	-
158.	Singh, Anupma, Sarkar, Dhurba Jyoti, Parmar, Balraj S., Singh, A.K., Parsad, Rajender and Kumar, Anil	2011	Studies on novel nanosuper absorbent components: Swelling behaviour in different environments and effect on water absorption and retention properties of sandy loam soil and soil less medium	<i>J. Appl. Polymer Sci.</i> 120: 1448-1458	7.77	-
159.	Paul, A.K., Alam, Wasi and Singh, Pal	2011	Average linkage method clustering rice ( <i>Oryza sativa</i> ) producing states of India	<i>Ind. J. Agril. Sci.</i> 81(8): 756-759	6.14	-
160.	Paul, A.K., Singh, Surendra, Kumar, Ashok, Singh, N. Okendro, Raman, Rohan Kumar, Haunshi, Santosh and Verma, Med Ram	2011	Nonlinear growth models for body growth of vanaraja poultry birds	<i>IUP J. Gen. Evol.</i> 4(4): 65-69	-	-
161.	Prajneshu and Ghosh, H.	2011	Application of generalized lambda distribution for unimodal data	<i>Ind. J. Agril. Sci.</i> 81: 533-538	6.14	-



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162.	Rao, P. Srinivasa, Reddy, P. Sanjana, Rathore, Abhishek, Reddy, Belum V.S. and Panwar, Sanjeev	2011	Application of GGE biplot and AMMI model to evaluate sweet sorghum hybrids for genotype × Environment interaction and seasonal adaptation	<i>Ind. J. Agril. Sci.</i> 81(5): 438-444	6.14	-
163.	Sahu, T.K., Rao, A.R., Singh, A., Behera, B.K., and Mohapatra, T.	2011	In silico identification of residues for anoxia tolerance across species	<i>Online J. Bioinformatics</i> 12(1): 175-197	-	-
164.	Sarika, Iquebal, M.A. and Chattopadhyay, C.	2011	Modelling and forecasting of pigeonpea ( <i>Cajanus cajan</i> ) production using autoregressive integrated moving average methodology	<i>Ind. J. Agril. Sci.</i> 81(6): 520-523	6.14	-
165.	Sharma, V.K. and Jaggi, Seema	2011	Variance balanced circular designs involving sequences of treatments with first and second residuals	<i>Model Assist. Statist. Appl.</i> 6(4): 317-324	-	-
166.	Singh, N. Okendro	2011	A method for fitting of Schaefer model with autoregressive of order one	<i>Asian Fish. Sci.</i> 24(3): 197-208	3.40	-
167.	Singh, N. Okendro, Paul, Amrit Kumar, Singh, N. Gopimohon, Singh, Pal and Alam, Wasi	2011	Modeling seasonal growth of fish using modified Gompertz model with sine wave function	<i>Ind. J. Anim. Sci.</i> 81(6): 648-650	6.16	-
168.	Singh, N. Okendro, Sarma, Debajit and Singh, N. Gopimohon	2011	Length-weight relationship of <i>Tor putitora</i> (Hamilton) considering different stages of its lifespan	<i>Ind. J. Fish.</i> 58(1): 35-38	6.22	-
169.	Tyagi, V.K., Kumar, Shiv and Kumar, Anil	2011	A two unit warm standby system with main operating system	<i>Int. Trans. Math. Sci. Comp.</i> 4(2): 367-374	-	-
170.	Varghese, Cini and Jaggi, Seema	2011	Control balanced crossover designs involving incomplete sequences of treatments.	<i>J. Mod. Appl. Statist. Meth.</i> 10(2): 632-638	-	-
171.	Varghese, Cini and Jaggi, Seema	2011	Mating designs using generalized incomplete Trojan-typedesigns	<i>J. Statist. Appl.</i> 6(3-4): 85-93	-	-
172.	Wahi, S.D. and Rao, A.R.	2011	Some investigations on sampling variance of genetic correlation	<i>IUP J. Genet. Evolution</i> 4(2): 27-44	-	-
173.	Yadav, Navneet Kumar, Sarika, Iquebal, M.A. and Mohd. Akram	2011	In-silico analysis and homology modelling of coat-protein of Mungbean Yellow Mosaic India virus	<i>J. Food Legume</i> 24(2): 138-141	3.19	-



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174.	Abedinpour, M., Sarangi, A., Rajput, T.B.S., Singh, M., Pathak, H. and Ahmad, T.	2012	Performance evaluation of aqua crop model for maize crop in a semi-arid environment	<i>Agril. Water Manage</i> 110: 55-66	8.29	-
175.	Ahmad, T., Rai, A and Sahoo, P.M.	2012	Comparison of bootstrap techniques for estimation of ratio in complex surveys	<i>Inter. J. Agril. Statist. Sci.</i> 8(1): 355-365	4.00	-
176.	Ahmad, T., Rai, A. and Singh, R.	2012	Objective spatial analytic hierarchy process for identification of potential agroforestry areas using GIS	<i>Model Assist. Statist. Appl.</i> 7(1): 65-73	-	-
177.	Ahmad, T., Sahoo, P.M. and Rai, A.	2012	Managing agricultural resources	<i>Geospatial Today</i> 11(6): 22-25	-	-
178.	Arivalagan, M., Gangopadhyay, K.K., Kumar, Gunjeet, Bhardwaj, Rakesh, Prasad, T.V., Sarkar, S.K. and Roy, A.	2012	Variability in minerals composition of Indian eggplant ( <i>Solanum melon-gena</i> L.) genotypes	<i>J. Food Composition Analy.</i> 26(1-2): 173-176	7.99	-
179.	Arora, Sumitra, Kanojia, Ashok K., Kumar, Ashok, Sardana, H.R. and Sarkar, Susheel Kumar	2012	Impact of biopesticide formulation on tomato ( <i>Lycopersicon esculentum</i> ): Economics and environmental effects	<i>Ind. J. Agril. Sci.</i> 82(12): 1075-1078	6.14	-
180.	Aruna, G., Singh, Dharam Raj, Kumar, Shiv and Kumar, Anil	2012	Canal irrigation management through water users associations and its impact on efficiency, equity and reliability in water use in Tamil Nadu	<i>Agril. Eco. Res. Rev.</i> 25: 409-419	-	-
181.	Babbar, A., Prakash, V., Tiwari, P. and Iquebal, M.A.	2012	Genetic variability for chickpea ( <i>Cicer arietinum</i> L.) under late sown season	<i>Legume Res.</i> 35(1): 1-7	6.15	-
182.	Banu, Rashia, Singh, Avtar, Malhotra, R., Gowane, G., Kumar, V., Jaggi, Seema, Varghese, E., Gandhi, R.S., Chakravarty, A.K. and Raja, T.V.	2012	Comparison of different lactation curve models in 72 IASRI Annual Report 2012-13 Karan Fries cattle of India	<i>Ind. J. Anim. Sci.</i> 82(11): 1377-1380	6.16	-
183.	Bhardwaj, S.P., Kumar, Ashok and Singh, K.N.	2012	Econometric study of asymmetry in price transmission from wholesale to retail trade of sugar	<i>Economic Affairs</i> 57(2): 137-146	4.69	-
184.	Bhardwaj, S.P., Singh, K.N. and Kumar, Amrender	2012	Study of performance measures of univariate time series methods for price forecasting - An empirical study of gram price forecast	<i>Agril. Econ. Res. Rev.</i> 25: 532	5.68	-



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185.	Chandra, H. and Sud, U.C.	2012	Small area estimation for zero-inflated data	<i>Comm. Statist.- Simul. Comput.</i> 41(5): 632-643	6.33	-
186.	Chandra, H., Chambers, R. and Salvati, N.	2012	Small area estimation of proportions in business surveys	<i>J. Statist. Comput. Simul.</i> 82(6): 783-795	6.64	-
187.	Chandra, H., Salvati, N., Chambers, R.L. and Tzavidis, N.	2012	Small area estimation under spatial nonstationarity	<i>Comput. Statist. Data Analy.</i> 56: 2875-2888	7.40	-
188.	Chaudhary, Vidhi, Prasanna, Radha, Nain, Lata, Dubey, S.C., Gupta, Vishal, Singh, Rajendra, Jaggi, Seema and Bhatnagar, Ashok Kumar	2012	Bioefficacy of novel cyano-bacteria-amended formulations in suppressing damping off disease in tomato seedlings	<i>World J. Microb. Biotech.</i> 28(12): 3301-3310	7.78	-
189.	Chilana, Poonam, Sharma, Anu and Rai, Anil	2012	Insect genomic resources: status, availability and future	<i>Current Sci.</i> 102(4): 571- 580	6.93	-
190.	Choudhary, A.K., Iquebal, M.A. and Nadarajan, N.	2012	Protogyny is an attractive option over emasculation for hybridization in pigeonpea	<i>SABRAO J. Breed. Genet.</i> 44(1): 138-148	4.00	-
191.	Dahiya, Shashi, Chaturvedi, K.K., Jaggi, Seema, Bharadwaj, Anshu and Varghese, Cini	2012	A digital education initiative in agriculture	<i>J. Farm. Sys. Res. Dev.</i> 18(2): 175-179	3.41	-
192.	Dahiya, Shashi, Jaggi, Seema, Chaturvedi, K.K., Bhardwaj, Anshu, Goyal, R.C. and Varghese, Cini	2012	An eLearning system for agricultural education	<i>Ind. Res. J. Ext. Edu.</i> 12(3): 132-135	3.92	-
193.	Dalamu, T.K. Behera, Varghese, Cini and Khan, Swati	2012	Genetic variability and character association analysis in bitter gourd ( <i>Momordica charantia</i> L.)	<i>Pusa Agri. Science</i> 35: 20-25	2.20	-
194.	Das, Shrila, Pareek, Navneet, Raverkar, K.P., Chandra, R. and Aditya, Kaustav	2012	Effectiveness of micro-nutrient application and <i>Rhizobium</i> inoculation of growth and yield of chick pea	<i>Int. J. Agril. Environ. Biotech.</i> 5(4): 445-452	4.10	-
195.	Dhananjaya, P., Singh, Ratna Prabha, Rai, Anil and Arora, Dilip K.	2012	Bioinformatics-assisted microbiological research: Tasks, developments and upcoming challenges	<i>Amer. J. Bioinform.</i> 1(1): 10-19	-	-
196.	Ghosh, A., Das, A., Bhattacharya, B.K., Kumar, V., Kumar, Amrender, Meena, P.D. and Chattopadhyay, C.	2012	Impact of climate change on pests and diseases-The scenario nfolding in Indian Agriculture	<i>SATSA Mukhapatra-Ann. Tech.</i> 16: 15-29	2.56	-



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197.	Gupta, V.K. and Parsad, Rajender	2012	Use of incomplete block designs in agricultural experiments	<i>Ind. J. Agro.</i> 57(2): 107-116	5.00	-
198.	Jaggi, Seema, Gill, A.S., Varghese, Cini, Sharma, V.K. and Singh, N.P.	2012	Modelling the gram ( <i>Cicer arietinum</i> ) yield under agroforestry system	<i>J. Non Timber Forest Products</i> 19(4): 275-278	2.80	-
199.	Johnson, F.A., Chandra, H., Brown, J. and Padmadas, S.	2012	Small area estimation for policy development: A case study of child under nutrition in Ghana	<i>J. Ind. Soc. Agril. Statist.</i> 66(1): 171- 186	5.50	-
200.	Johnson, F.A., Padmadas, S.S., Chandra, H., Matthews, Z. and Madise, N.J.	2012	Estimating unmet need for contraception by district within Ghana: An application of small-area estimation techniques	<i>Population Studies J. emography</i> 66(2): 105-122	-	-
201.	Kumar, Anil, Kumar, Rajendra and Choudhary, Vipin Kumar	2012	Estimation and nutrient response ratio of various cropping systems under All India Coordinated Research Project on Integrated Farming Systems	<i>Int. J. Agril. Statist. Sci.</i> 8(2): 645- 649	4.40	-
202.	Kumar, Manoj, Ahmad, Tauqueer, Rai, Anil and Sahoo, P.M.	2012	Sensitivity analysis of various indicators of composite index	<i>J. Ind. Soc. Agril. Statist.</i> 66(2): 335-342	5.50	-
203.	Kumar, Rajendra, Sharma, S.C., Kumar, Anil, Singh, Gyan and Singh, N.P.	2012	Study on yardsticks of additional production from the use of micronutrients for various crops	<i>J. Soil Water Conser.</i> 11(3): 250- 253	7.60	-
204.	Kumar, Rajendra, Singh, V.K., Sharma, R.P., Kumar, Anil and Singh, Gyan	2012	Impact of nitrogen, phosphorus, potash and sulphur on productivity of rice-wheat system in sub-humid region	<i>J. Agric. Physics</i> 12(1): 84-88	3.79	-
205.	Kumar, Vinod, Kumar, Amrender and Chattopadhyay, Chirantan	2012	Design and implementation of web-based aphid ( <i>Lipaphis erysimi</i> ) forecast system for oilseed Brassicas	<i>Ind. J. Agril. Sci.</i> 82(7): 608-614	6.14	-
206.	Lal, Krishan, Parsad, Rajender and Gupta, V.K.	2012	Robustness of block designs on the basis of pairwise treatment comparisons against missing data	<i>Model Assist. Statist. Appl.</i> 7: 75-80	-	-
207.	Mandal, B.N., Gupta, V.K. and Parsad, Rajender	2012	Generation of binary incomplete block design with a specified concurrence matrix	<i>J. Statist. Appl.</i> 7(3-4): 121-138	-	-



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208.	Mandal, B.N., Parsad, Rajender and Gupta, V.K.	2012	Doubly nested partially balanced incomplete block designs	<i>J. Statist. Appl.</i> 7(3-4): 153-169		-
209.	Manuja, Anju, Manuja, Balvinder K., Dhingra, M. and Sarkar, S.K.	2012	Differential expression of toll-like receptor 9 by various immune compartments of buffalo ( <i>Bubalus bubalis</i> )	<i>Ind. J. Anim. Sci.</i> 82(4): 427-429	6.16	-
210.	Marathi, Balram, Guleria, Smriti, Mohapatra, Trilochan, Parsad, Rajender, Nagarajan, M., Vinod, K.K., Atwal, Salwinder S., Prabhu, Vinod K., Singh, Nagender K. and Singh, Ashok K.	2012	QTL analysis of novel genomic regions associated with yield and yield related traits in new plant type based recombinant inbred lines of rice ( <i>Oryza sativa</i> L.)	<i>BMC Plant Biology</i> , doi:10.1186/1471-2229-12-137, <a href="http://www.biomedcentral.com/1471-2229/12/137">http://www.biomedcentral.com/1471-2229/12/137</a>	9.81	-
211.	Naveen, N.C., Kumar, Dinesh, Alam, Wasi, Chaubey, Rahul, Subramanian, S and Raman, Rajagopal	2012	A model study integrating time dependent mortality in evaluating insecticides against <i>Bemisia tabaci</i> (Hemiptera: Aleyrodidae)	<i>Ind. J. Entomology</i> 74(4): 384-388	4.30	-
212.	Panwar, Sanjeev, Kumar, Anil, Singh, K.N., Farooqi, Samir, Rathore, Abhishek	2012	Using nonlinear regression techniques for analysis of onion ( <i>Allium cepa</i> ) production in India	<i>Ind. J. Agril. Sci.</i> 82(12): 43-46	6.14	-
213.	Paul, A.K., Singh, Surendra, Singh, K.N., Kumar, Ashok and Singh, N. Okendro	2012	Modeling for body growth of crossbred piglets	<i>Ind. J. Anim. Sci.</i> 82(9): 1098-1099	6.16	-
214.	Prajneshu	2012	Nonlinear time-series models and their applications	<i>J. Ind. Soc. Agril. Statist.</i> 66(2): 243-250	5.50	-
215.	Pramanik, Achintya, Dey, Debjani and Kumar, Amrender	2012	Redescription of <i>Diaeretiella rapae</i> (McIntosh) (Hymenoptera: Braconidae: Aphidiinae) with emphasis on morphometrics	<i>J. Entom. Res.</i> 36(1): 77-82	3.72	-
216.	Praveen, K.V., Kumar, Shiv, Singh, D.R., Arya, Prawin, Chaudhary, K.R. and Kumar, Anil	2012	A study on economic behaviour, perception and attitude of households towards traditional and modern food retailing formats in Kochi	<i>Ind. J. Agril. Mktng.</i> 27(2): 142-151	2.89	-
217.	Rajurkar, G., Patel, Neelam, Rajput, T.B.S. and Varghese, Cini	2012	Soil water and nitrate dynamics under drip irrigated cabbage	<i>J. Soil Water Cons.</i> 11(3): 196-204	7.60	-



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218.	Ratna, Prabha, Singh, Dhananjaya P., Gupta, Shailendra K., Farooqi, Samir and Rai, Anil	2012	Synonymous codon usage in <i>Thermosynechococcus elongatus</i> (cyanobacteria) identifies the factors shaping codon usage variation	<i>Bioinformation</i> 8(13): 622-628	-	-
219.	Sahoo, P.M., Rai, A., Ahmad, T., Singh, R. and Handique, B.K.	2012	Estimation of acreage under paddy crop in Jaintia Hills district of Meghalaya using Remote Sensing and GIS	<i>Int. J. Agril. Statist. Sci.</i> 8(1): 193-202	4.00	-
220.	Sahu, T.K., Rao, A.R., Vasisht, S., Singh, N. and Singh, U.P.	2012	Computational approaches, databases and tools for in silico motif discovery	<i>Interdisciplinary Sci.: Comput. Life Sci.</i> 4(4): 239-255	6.66	-
221.	Salvati, N., Chandra, H. and Chambers R.	2012	Model based direct estimation of small area distributions	<i>Australian &amp; New Zealand J. Statist.</i> 54(1): 103-123	6.42	-
222.	Sandhu, S.K., Oberoi, H.S., Dhaliwal, S.S., Babbar, N., Kaur, U., Nanda, D.K. and Kumar, D.	2012	Ethanol production from Kinnow mandarin ( <i>Citrus reticulata</i> ) peels via simultaneous saccharification and fermentation using crude enzyme produced by <i>Aspergillus oryzae</i> and the thermotolerant <i>Pichia kudriavzevii</i> strain	<i>Ann. Microb.</i> 62(2): 656-666	6.99	-
223.	Sanjukta, Rajkumari, Farooqi, Samir, Sharma, Naveen, Rai, Anil, Mishra, Dwijesh Chandra and Singh, Dhananjaya P.	2012	Trends in the codon usage patterns of <i>Chromohalobacter salexigens</i> genes	<i>Bioinformation</i> 8(22): 1087-1095	-	-
224.	Sarika, Arora, Vasu, Iquebal, M.A., Rai, Anil and Kumar, Dinesh	2012	In silico mining of putative microsatellite markers from whole genome sequence of water buffalo ( <i>Bubalus bubalis</i> ) and development of first BuffSatDB	<i>BMC Genomics</i> 14(43): 1-8	9.99	-
225.	Sarika, Iquebal, M.A. and Rai, Anil	2012	Biotic stress resistance in agriculture through antimicrobial peptides	<i>Peptides</i> 36(2): 322-330	8.62	-
226.	Sarika, Iquebal, M.A. and Rai, Anil	2012	In silico analysis and homology model of legume antioxidant proteins	<i>Online J. Bioinfo.</i> 13(1): 120-129	-	-
227.	Sarkar, D.J., Anupama, Singh, N., Parmar, BS and Kumar, A.	2012	Effect of addition of superabsorbent hydrogels on sorption and mobility of metribuzin in sandy loam soil	<i>Pest Res. J.</i> 24(2): 138-143	4.16	-





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228.	Satpute, S.T., Singh, Man, Khanna, M., Singh, A.K. and Ahmad, T.	2012	Performance evaluation of onion crop under drip fertigation	<i>Pusa Agric. Sci.</i> 35: 39-50	2.20	-
229.	Saxena, Hem, Duraimurugan, Ponnusamy and Iquebal, M.A.	2012	Seasonal parasitism and biological characteristics of <i>Habrobracon hebetor</i> (Hymenoptera: Braconidae) – A potential larval ectoparasitoid of <i>Helicoverpa armigera</i> (Lepidoptera: Noctuidae) in chickpea ecosystem	<i>Biocontrol Sci. Tech.</i> 22(3): 305-318	6.94	-
230.	Sewak, Shiv, Iquebal, M.A., Singh, N.P., Solanki, R.K. and Sarika	2012	Genetic diversity studies in chickpea ( <i>Cicer arietinum</i> ) germplasm	<i>J. Food Legumes</i> 25: 31-36	3.19	-
231.	Sharma, R.K., Singh, J.K., Khanna, S., Phulia, S.K., Sarkar, S.K. and Singh, Inderjeet	2012	Fetal age determination in Murrah buffaloes from days 22 through 60 with ultrasonography	<i>Ind. J. Anim. Sci.</i> 82(4): 374–376	6.16	-
232.	Shrivastava, A., Babbar, A., Prakash, V., Tripathi, N. and Iquebal, M.A.	2012	Genetic and molecular diversity analysis for improvement of chickpea ( <i>Cicer arietinum</i> L.) genotypes grown under rice fallow	<i>J. Food Legume</i> 25(2): 147-150	3.19	-
233.	Singh, D.R., Kumar, Anil, Sivaramane, N., Singh, K.N. and Arya, Prawin	2012	Application of data envelopment analysis for estimation of farm level efficiencies in rice cultivation in Indo-Gangetic plain	<i>Int. J. Agril. Statist. Sci.</i> 8(2): 729-735	4.00	-
234.	Singh, Jarnail, Singh, Vijay, Mann, Anita, Singh, J.K., A., Jerome, Sarkar, S.K., Duhan J.S. and Yadav, P.S.	2012	Buffalo umbilical cord blood collection and hematological comparison with peripheral blood of new born calf and its dam	<i>Ind. J. Anim. Sci.</i> 82(8): 84-86	6.16	-
235.	Singh, Man, Lathwal, S.S., Singh, Yajuvendra, Kumar, Anil, Gupta, A.K., Mohanty, T.K., Raja, T.V., Gupta, R.K., Sharma, V., Chandra, G., Kumar, M.	2012	Association of lameness with per cent body weight distribution and shifting to individual limbs of static Karan Fries crossbred cows	<i>Ind. J. Anim. Sci.</i> 82(9): 962-970	6.16	-
236.	Singh, N., Saha, T.K., Rao, A.R. and Mohapatra, T.	2012	Sh RNA Pred (Version 1.0): An open source and standalone software for short hairpin RNA (ShRNA) prediction	<i>Bioinformatics</i> 8(13): 629-633	-	-
237.	Singh, N. Okendro, Prem Kumar, Bhar, L.M., Singh, K.N. and Singh, Pal	2012	Forecasting of fish production from ponds – A non-linear model approach	<i>Ind. J. Fish.</i> 60(2): 67-71	6.22	-



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238.	Singh, Surendra, Paul, A.K., Singh, K.N. and Kumar, Ashok	2012	Study of growth pattern of cattle under different climatic conditions	<i>IUP J. Genet. Evol.</i> 5(1): 41-46		-
239.	Sisodia, B.V.S. and Chandra, H.	2012	Estimation of crop production at smaller geographical level in India	<i>J. Ind. Soc. Agril. Statist.</i> 66(2): 313-319	5.50	-
240.	Srivastava, Rakesh K., Rathore, Abhishek, Vales, M. Isabel, Kumar, R. Vijaya, Panwar, Sanjeev and Thanki, Hiren P.	2012	GGE biplot based assessment of yield stability, adaptability and megaenvironment characterization for hybrid pigeonpea	<i>Ind. J. Agril. Sci.</i> 82(11): 928-933	6.14	-
241.	Sud, U.C., Chandra, H., and Srivastava, A.K.	2012	Crop yield estimation at district level using improvement of crop statistics scheme data - An application of small area estimation technique	<i>J. Ind. Soc. Agril. Statist.</i> 66(2): 321-326	5.50	-
242.	Taksande, Nishikant, Sharma, Anu, Varghese, Cini, Jaggi, Seema and Lal, S.B.	2012	Web-enabled software for generation and analysis of partial diallel crosses	<i>J. Ind. Soc. Agril. Statist.</i> 66(2): 343-350	5.50	-
243.	Tzavidis, N., Chambers, R., Salvati, N. and Chandra, H.	2012	Small area estimation in practice: An application to agricultural business survey data	<i>J. Ind. Soc. Agril. Statist.</i> 66(1): 213-228	5.50	-
244.	Arivalagan, M., Bhardwaj, R., Gangopadhyay, K.K., Prasad, T.V. and Sarkar, S.K.	2013	Mineral composition and their genetic variability analysis in eggplant ( <i>Solanum melongena</i> L.) germplasm	<i>J. Appl. Botany Food Qual.</i> 86: 99-103	6.76	-
245.	Arya, Prawin, Kumar, Shiv, Singh, D.R., Kumar, Anil and N., Sivaramane	2013	Market integration in mustard commodities in India	<i>Global J. Fin. Manage</i> 5(12): 44-48	-	-
246.	Bajetha, Garima, Bhati, Jyotika, Sarika, Iquebal, M.A., Rai, Anil, Arora, Vasu and Kumar, Dinesh	2013	Analysis and functional annotation of expressed sequence tags of water buffalo	<i>Anim. Biotech.</i> 24(1): 25-30	6.76	-
247.	Balakrishnan, Renu, Wason, Monika, Padaria, R.N., Singh, Premlata and Varghese, Eldho	2013	An assessment of readiness of farmers towards e-learning	<i>Soybean Res.</i> 36: 36-39	3.04	-
248.	Bhar, Lalmohan	2013	A diagnostic tool for detecting outliers in experimental data	<i>Model Assist. Statist. Appln.</i> 8(1): 61-68	-	-
249.	Bhar, Lalmohan, Gupta, V.K. and Parsad, Rajender	2013	Detection of outliers in designed experiments in presence of masking	<i>Statist. Appl.</i> 11(1&2): 147-160	-	-



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250.	Bhati, Jyotika, Chaduvula, Pavan K., Kumar, Sanjeev and Rai, Anil	2013	Phylogenetic analysis and secondary structure prediction for drought tolerant capbinding proteins of plant species	<i>Ind. J. Agril. Sci.</i> 83(1): 21-25	6.14	-
251.	Bhushan, Gunjan, Mishra, V.K., Iquebal, M.A. and Singh, Y.P.	2013	Effect of genotypes, reproductive developmental stages and environments on glucosinolates content in rapeseed mustard	<i>Asian J. Plant Sci. Res.</i> 3(1): 75-82	-	-
252.	Chambers, R., Chandra, H., Salvati, N. and Tzavidis, N.	2013	Outlier robust small area estimation	<i>J. Roy. Statist. Soc., Series B</i> 76(1): 47-69	9.52	-
253.	Chambers, R. and Chandra, H.	2013	A random effect block bootstrap for clustered data	<i>J. Comput. Graphical Statist.</i> 22(2): 452-470	7.22	-
254.	Chandra, H.	2013	Exploring spatial dependence in area level random effect model for disaggregate level crop yield estimation	<i>J. Appl. Statist.</i> 40(4): 823-842	6.42	-
255.	Chatterjee, Niladri Sekhar, Gupta, Suman and Varghese, Eldho	2013	Degradation of metaflumizone in soil: Impact of varying moisture, light, temperature, atmospheric CO <sub>2</sub> level, soil type and soil sterilization	<i>Chemosphere</i> 90(2): 729-736	9.34	-
256.	Chaturvedi, A., Alam, W. and Chauhan, K.	2013	Robustness of the sequential testing procedures for the parameters of zero-truncated negative binomial, binomial and Poisson distributions	<i>J. Ind. Statist. Assoc.</i> 51(2): 313-328	-	-
257.	Choudhary, V.K., Kumar, P. Suresh, Sarkar, Susheel Kumar and Yadav, J.S.	2013	Production potential, economic analysis and energy auditing for maizevegetable based cropping systems in Eastern Himalayan Region, Arunachal Pradesh	<i>Ind. J. Agril. Sci.</i> 83(1): 110-115	6.14	-
258.	Choudhary, Vipin Kumar, Thakur, Bhawesh Kumar, Kumar, Anil and Panwar, Sanjeev	2013	An implementation of preprocessing concept on web log data files for web usage mining	<i>Asian Acad. Res. J. Multidisciplinary</i> 16: 447-462	-	-
259.	Das, Roma Rani, Kumar, Anil, Sujay, Rakshit, V., Maraboina, Ravikanth, Panwar, Sanjeev, Savadia, Seema and Rathore, Abhishek	2013	Interpreting genotype by environment interaction using weather covariates	<i>J. Statist. Appl.</i> 10(1&2): 45-62	-	-



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260.	Dutta, S.K., Srivastava, M., Chaudhary R., Krishan Lal, Patil, Pravin, Singh, S.K. and Singh, A.K.	2013	Low temperature storage of mango ( <i>Mangifera indica</i> L.) pollen, pollen–pistil interaction studies in mango cultivars	<i>Scientia Horticulturae</i> 161: 193-197	7.37	-
261.	Dutta, S.K., Srivastava, M., Rymbaia, H., Chaudhary, R., Singh, A.K., Dubey, A.K. and Krishan Lal	2013	Pollen–pistil interaction studies in mango ( <i>Mangifera indica</i> L.) cultivars	<i>Scientia Horticulturae</i> 160: 213-221	7.37	-
262.	Farooqi, Samir, Sanjukta, R.K., Mishra, D.C., Singh, D.P., Rai, Anil, Chaturvedi, K.K., Kumar, Anil, Panwar, Sanjeev and Sharma, Naveen	2013	Statistical and computational methods for detection of synonymous codon usage pattern and gene expression	<i>Intt. J. Agril. Statist. Sci.</i> 9(1): 303-310	4.00	-
263.	Goyal, P., Kumar, A., Chahar, M., Iquebal, M.A., Datta, S. and Chattopadhyay, C.	2013	Pathogenic and genetic variability among different oilseed <i>Brassica</i> isolates of <i>Sclerotinia sclerotiorum</i> from India and UK	<i>Ann. Plant Protect. Sci.</i> 21(2): 377-386	3.65	-
264.	Gupta, A.K., Sud, U.C., Chandra, H. and Jain, V.K.		Survey methodology for estimation of mushroom production	<i>Intt. J. Agril. Statist. Sci.</i> 9(2): 555-562	4.00	-
265.	Iquebal, M.A. and Sarika	2013	Nonlinear growth models for describing country's lentil ( <i>Lens culinaris</i> M.) production	<i>J. Food Legumes</i> 26(1&2): 79-82	3.19	-
266.	Iquebal, M.A., Sarika, Arora, Vasu, Verma, Nidhi, Rai, Anil and Kumar, Dinesh	2013	First whole genome based microsatellite DNA marker database of tomato for mapping and variety identification	<i>BMC Plant Biology</i> DOI: biomedcentral.com/1471-2229/13/197/abstract		-
267.	Iquebal, M.A., Sarika, Dhandra, S.K., Arora, V., Dixit, S.P., Raghava, G.P.S., Rai, A. and Kumar, D.	2013	Development of a model webserver for breed identification using microsatellite DNA marker	<i>BMC Genetics</i> DOI: biomedcentral.com/1471-2156/14/118/abstract		-
268.	Karak, T., Bhattacharyya, P. and Paul, R.K.	2013	Assessment of co-compost quality by physico-chemical and exploratory data analysis	<i>CLEAN - Soil, Air, Water</i> DOI: 10.1002/clen.201200143	7.95	-
269.	Karak, T., Bhattacharyya, P., Paul, R.K. and Das, D.K.	2013	Metal accumulation, biochemical response and yield of Indian mustard grown in soil amended with rural road side pond sediment	<i>Ecotoxicology Environ. Safety</i> 92: 161-173	8.76	-



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270.	Karak, T., Paul, R.K. and Das, D.K.	2013	Thermodynamics of cadmium sorption on different soils of West Bengal, India	<i>The Scientific World J.</i> DOI: 10.1155/2013/216451	6.00	-
271.	Kumar, Mukesh, Rajput, T.B.S., Patel, Neelam, Sahoo, R.N. and Varghese, Cini	2013	Performance evaluation of drip-tape for irrigation under different operating pressures	<i>Pusa AgriScience</i> 36: 58-63	2.20	-
272.	Jeeva, J.C., Ramasubramanian, V., Kumar, A., Bhatia, V.K., Geethalakshmi, V., Premi, S.K. and Ramasundaram, P.	2013	Forecasting technological needs and prioritizing factors for the post-harvest sector of Indian fisheries	<i>Fish. Tech.</i> 50: 87-91	4.87	-
273.	Karak, T., Bhattacharyya, P., Das, T., Paul, R.K. and Bezbaruah, R.	2013	Non-segregated municipal solid waste in an open dumping ground: A potential contaminant vis-a-vis environmental health	<i>Int. J. Environ. Sci. Tech.</i> 10(3): 503-518	-	-
274.	Kaur, Charanjit, Walia, Suresh, Nagal, Shweta, Walia, Shweta, Singh, Jashbir, Singh, Braj Bhushan, Saha, Supradeep, Singh, Balraj, Kalia, Pritam, Jaggi, Seema and Sarika	2013	Functional quality and antioxidant composition of selected tomato ( <i>Solanum lycopersicon</i> L.) cultivars grown in northern India	<i>LWT - Food Sci. Tech.</i> 50: 139-145	-	-
275.	Kumar, Amrender	2013	Forewarning models for alternaria blight in mustard ( <i>Brassica juncea</i> ) crop	<i>Ind. J. Agric. Sci.</i> 81(1): 116-119	6.14	-
276.	Kumar, Anil, Kumar, Pramod, Panwar, Sanjeev and Choudhary, Vipin Kumar	2013	Economic evaluation and multivariate analysis of cycles of different crop rotations	<i>Intt.J. Agril. Statist. Sci.</i> 9(1): 323-330	4.00	-
277.	Kumar, A., Mishra, D.C., Rai, A., Sharma, M.K. and Gajula, M.N.V.P.	2013	In-silico analysis of protein-protein interaction between resistance and virulence protein during leaf rust disease in wheat ( <i>Triticum aestivum</i> L.)	<i>World Res. J. Pept. Protein</i> 2(1): 52-58	-	-
278.	Kumar, Shiv, Kumar, Rakesh, Singh, Dharam Raj, Kumar, Anil, Kumar, Arya, Prawin and Chaudhary, Khyali Ram	2013	Equity, efficiency and profitability of migratory sheep production system in Rajasthan	<i>Ind. J. Anim. Sci.</i> 83(9): 976-982	6.16	-
279.	Mahajan, G.R., Pandey, R.N., Datta, S.C., Kumar, Dinesh, Sahoo, R.N. and Parsad, Rajender	2013	Soil test based fertilizer recommendation of nitrogen, phosphorus and sulphur in wheat ( <i>Triticum aestivum</i> L.) in an alluvial soil	<i>Intt. J. Agric. Environ. Biotec.</i> 6(2): 271-281	4.10	-



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280.	Malik, Jitender Kumar, Singh, Ravinder, Thenua, O.V.S. and Kumar, Anil	2013	Response of pigeonpea ( <i>Cajanus Cajan</i> ) + mungbean ( <i>Phaseolus Radiatus</i> ) inter-cropping system to phosphorus and biofertilizers	<i>Legume Res.</i> 36(4): 326-330	6.15	-
281.	Panwar, Sanjeev, Kumar, Anil, Choudhary, Vipin Kumar and Rathore, Abhishek	2013	Modeling of potato yield in India: An empirical approach using ARCH/GARCH model	<i>Int. J. Agril. Statist. Sci.</i> 8(2): 597-601	4.00	-
282.	Patle, G.T., Singh, D.K., Sarangi, A., Rai, Anil, Khanna, Manoj and Sahoo R.N.	2013	Temporal variability of climatic parameters and potential evapotranspiration	<i>Ind. J. Agric. Sci.</i> 83(5): 518-524	6.14	-
283.	Paul, Amrit Kumar, Paul, Ranjit Kumar and Alam, Wasi	2013	Effect of non-normality and inadmissible estimates on estimation of heritability	<i>Ind. J. Anim. Sci.</i> 83(12): 1355-1357	6.16	-
284.	Paul, R.K. and Das, M.K.	2013	Forecasting of average annual fish landing in Ganga basin	<i>Fishing chimes</i> 33(3): 51-54		-
285.	Paul, R.K., Panwar, S., Sarkar, S.K., Kumar, A., Singh, K.N., Farooqi, S and Chaudhary, V.K.	2013	Modelling and forecasting of meat exports from India	<i>Agril. Eco. Res. Rev.</i> 26(2): 249-256	5.68	-
286.	Praveen, K.V., Kumar, Shiv, Singh, Dharam Raj, Kumar, Anil, Arya, Prawin and Chaudhary, Khyaliram	2013	An analysis of price levels of selected food commodities under modern and traditional retailing formats in Kochi	<i>Global J. Fin. Manage.</i> 5(10): 76-85	-	-
287.	Sanjukta, R.K., Farooqi, S., Sharma, N., Rai, N., Mishra, D.C., Rai, A., Singh, D.P., Chaturvedi, K.K.	2013	Statistical analysis of codon usage in extremely halophilic bacterium, <i>Salinibacter ruber</i> DSM 13855	<i>Online J. Bioinform.</i> 14(1): 15-31	-	-
288.	Sanjukta, R.K., Farooqi, Samir, Rai, Niyati, Rai, Anil, Sharma, Naveen, Mishra, Dwijesh C. and Singh, Dhananjaya P.	2013	Expression analysis of genes responsible for amino acid biosynthesis in extremely halophilic bacterium, <i>Salinibacter ruber</i>	<i>Ind. J. Biochem. Biophy.</i> 50: 177-185	6.87	-
289.	Sarika, Iqbal, M.A., Rai, Anil and Anshika	2013	Support vector machine for prediction of antimicrobial peptides in legumes	<i>Intt. J. Agric. Statist. Sci.</i> 9(2): 717-728	4.00	-
290.	Sarika, Arora, Vasu, Iqbal, M.A., Rai, Anil, and Kumar, Dinesh	2013	PIPEMicroDB: Microsatellite database and primer generation tool for pigeonpea genome	<i>J. Biol. Databases Curation</i> DOI: 10.1093/database/bas054	-	-
291.	Satpute, S.T., Singh, Man, Khanna, M., Singh, A.K. and Ahmad, T.	2013	Response of drip irrigated onion crop in irrigation intervals and fertigation strategies	<i>Ind. J. Hort.</i> 70(2): 293-295	6.13	-



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292.	Satyavathi, C.T., Tiwari, S., Bharadwaj, C., Rao, A.R., Bhat, J. and Singh, S.P.	2013	Genetic diversity analysis in a novel set of restorer lines of pearl millet ( <i>Pennisetum glaucum</i> (L.) R. Br) using SSR markers	<i>Vegetos</i> 26(1): 72-82	6.00	-
293.	Shachi, Gahoi, Arya, L., Rai, Anil and Marla, S.S.	2013	DP Primer - A degenerate PCR Primer design tool	<i>Bioinformation</i> 9(18): 937-940	-	-
294.	Sharma, Anu, Lal, S.B., Mishra, D.C., Srivastava, Sudhir and Rai, Anil	2013	A web based software for synonymous codon usage indices	<i>Int. J. Info. and Computation Technology</i> 3(3): 147-152		-
295.	Sharma, Anu, Rai, Anil and Lal, S.B.	2013	Workflow management systems for gene sequence analysis and evolutionary studies - A review	<i>Bioinformation</i> 9(13): 303-310		-
296.	Sharma, Anu, Varghese, Cini and Jaggi, Seema	2013	WS-PBIBD - A web solution for partially balanced incomplete block experimental designs	<i>Comp. Electron. Agril.</i> 99: 132-134	7.76	-
297.	Singh, Deepak, Patel, Neelam, Rajput, T.B.S., Lata and Varghese, Cini	2013	Study of soil water dynamics under bioline and inline drip laterals using ground water and waste water	<i>J. Soil Water Conserv.</i> 12(1): 55-58	3.68	-
298.	Singh, N. Okendro, Paul, A.K., Kumar, Surinder, Alam, Wasi, Singh, N. Gopimohon, Singh, K.N. and Singh, Pal	2013	Fitting of partial reparameterized logistic growth model to oil palm yield data	<i>Int. J. Agril. Statist. Sci.</i> 9: Supplement 1, 55-62	4.00	-
299.	Sud, U.C., Chandra, H. and Gupta, V.K.	2013	Calibration approach based regression type estimator for inverse relationship between study and auxiliary variable	<i>J. Statist. Theo. Pract.</i> DOI: 10.1080/15598608.2013.832643	4.72	-
300.	Singh, N. Okendro, Kumar, Surinder, Singh, N. Gopimohon, Paul, A.K., Singh, KN and Singh, Pal	2013	Fitting of fox model with autoregressive of order one using expected value parameters	<i>Ind. J. Anim. Sci.</i> 83(2): 201-203	6.16	-
301.	Tiwari, A., Jha, S.K., Pal, R.K., Sethi, S. and Krishan Lal	2013	Effect of pre-milling treatments on storage stability of pearl millet flour	<i>J. Food Proc. Preser.</i> 37(3): 12072-12082	7.16	-
302.	Tripathi, R., Sahoo, R.N., Gupta, V.K., Sehgal, V.K. and Sahoo, P.M.	2013	Developing vegetation health index from biophysical variables derived using MODIS satellite data in the transgangaic plains of India	<i>Emir. J. Food Agric.</i> 25(5) DOI: 10.9755/ejfa.v25i5.11580	5.34	-
303.	Varghese, Cini, Varghese, Eldho and Kumar, Arvind	2013	Row-column designs for investigational products vs. control comparisons in veterinary trials	<i>Ind. J. Anim. Sci.</i> 83(8): 834-837	6.16	-



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304.	Wasala, Samanthi K., Guleria, S.K., Sekhar, J.C., Mahajan, V., Srinivasan, K., Parsad, Rajender and Prasanna, B.M.	2013	Analysis of yield performance and genotype environment effects on selected maize (zea mays) landrace accessions of India	<i>Ind. J. Agril. Sci.</i> 83(3): 47-53	6.14	-
305.	Yadav, S.P., Sikka, P., Kumar, D., Sarkar, Susheel Kumar, Pandey, A.K., Yadav, P.S. and Sethi, R.K.	2013	Variation in milk constituents during different parity and seasons in Murrah buffaloes	<i>Ind. J. Anim. Sci.</i> 83(7): 747-751	6.16	-
306.	Ahammed, Shabeer T.P., Saha, Ajoy, Gajbhiye, V.T., Gupta, Suman, Manjaiah, K.M. and Varghese, Eldho	2014	Simultaneous removal of multiple pesticides from water: Effect of organically modified clays as coagulant aid and adsorbent in coagulation flocculation process	<i>Environ. Tech.</i> DOI :10.1080/09593330.2014.914573	7.56	-
307.	Ahammed, Shabeer T.P., Saha, Ajoy, Gajbhiye, V.T., Gupta, Suman, Manjaiah, K.M. and Varghese, Eldho	2014	Removal of poly aromatic hydrocarbons (PAHs) from water: Effect of nano and modified nano-clays as a flocculation aid and adsorbent in coagulation-flocculation process	<i>Polycyclic Aromatic Compounds</i> 34(4): 452-467	6.76	-
308.	Ahmad, T., Rai, A., Bathla, H.V.L. and Sharma, S.D.	2014	Methodological issues relating to horticultural surveys in India	<i>Adv. Appl. Res.</i> 6(1): 01-11	2.98	-
309.	Alam, N.M., Batra, P.K., Parsad, Rajender and Lal, Krishan	2014	Multifactor mixture experiments: Construction and analysis	<i>Int. J. Agric. Statist. Sci.</i> 10 (Supplement 1): 1-7	4.00	-
310.	Alam, W., Chaturvedi, A. and Kumar, A.	2014	Estimation of survival function under type II censoring using a generalized family approach	<i>Int. J. Agric. Statist. Sci.</i> 10(1): 17-19	4.00	-
311.	Alam, W., Chaturvedi, A., Singh, K.N., Kumar, A., Paul, A.K., Paul, R.K. and Sinha, K.	2014	Maximum likelihood and uniformly minimum variance unbiased estimation of $p(y < x)$ for Gompertz distribution	<i>Int. J. Agric. Statist. Sci.</i> 10(2): 267-274	4.00	-
312.	Assumi, R., Pal, R.K., Gurung, Bishal and Kaur, C.	2014	Physico-chemical characteristics and sensory quality of pineapple vermouth	<i>Ind. J. Hort.</i> 71(3): 402-407	6.13	-
313.	Balakrishnan, R., Wason, M., Padaria, R.N., Singh, P. and Varghese, E.	2014	An analysis of constraints in e-learning and strategies for promoting e-learning among farmers	<i>Economic Affairs</i> 59: 727-734	4.69	-





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314.	Barat, A., Goel, C., Sahoo, P.K. and Rao, A.R.	2014	Development of expressed sequence tags (ESTs) from the brain tissue of snowtrout <i>Schizothorax richardsonii</i> (Gray, 1832) (Family Cyprinidae) and its preliminary annotation	<i>Ind. J. Fish.</i> 61(2): 118-128	6.22	-
315.	Behera, B.K., Das, P., Maharana, J., Meena, D.K., Sahu, T.K., Rao, A.R., Chatterjee, S., Mohanty, B.P. and Sharma, A.P.	2014	Functional screening and molecular characterization of halophilic and halotolerant bacteria by 16S rRNA gene sequence analysis	<i>Proceedings of the National Academy of Sciences, India Section B: Biological Sciences</i> DOI: 10.1007/s40011-014-0440-6	-	-
316.	Behera, S.K., Paul, A.K., Wahi, S.D., Iquebal, M.A., Das, Samarendra, Paul, Ranjit, Alam, Wasi and Kumar, Anil	2014	Estimation of heritability of mastitis disease using moment estimators	<i>Int. J. Agril. Statist. Sci.</i> 10 (Supplement 1): 243-247	4.00	-
317.	Berg, E. and Chandra, H.	2014	Small area prediction for a unit level lognormal model	<i>Comput. Statist. Data Analy.</i> 78: 159-175	7.40	-
318.	Bhaduri, Debarati, Purakayastha T.J., Bhar, L.M., Patra, A.K. and Sarkar, Binoy	2014	Impact of integrated management on yield sustainability in relation to soil quality under a rice-wheat cropping system	<i>Nat. Acad. Sci. Lett.</i> 37(1): 25-31	6.29	-
319.	Bhar, L.M.	2014	Robustness of variance balanced block designs	<i>Sankhya B</i> 76(2): 305-316	-	-
320.	Bhardwaj, S.P., Paul, R.K., Singh, D.R. and Singh, K.N.	2014	An empirical investigation of ARIMA and GARCH models in agricultural price forecasting	<i>Eco. Affairs</i> 59(3): 415-428	4.69	-
321.	Bhati, Jyotika, Chaduvula, Pavan Kumar, Rani, Ruchi, Kumar, Sanjeev and Rai, Anil	2014	In-silico prediction and functional analysis of salt stress responsive genes in maize ( <i>Zea mays</i> )	<i>Europ. J. Molecular Bio. Biochem</i> 1(4): 151-157	-	-
322.	Bhatia, Kavita, Asrey, Ram, Varghese, Eldho, Singh, Surender and Kanaujia, Pankaj	2014	Suitability of commercially important Indian pomegranate ( <i>Punica granatum</i> L.) cultivars for minimal processing	<i>Ind. J. Agric. Sci.</i> 85(1): 73-80	6.14	-
323.	Bhattacharyya, P., Karak, T., Chakrabarti, K., Chakraborty, A., Paul, R.K. and Tripathi, S.	2014	Is tsunami tremor jolted on microbial biomass and their activities in soils? - A case study in Andaman Island, India	<i>Environ. Earth Sci.</i> DOI: 10.1007/s12665-014-3049-4	7.77	-



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324.	Chandrika, K.S.V., Singh, Poorna, Sarkar, Anupama, Jyoti, Dhruva, Rathore, Abhishek and Kumar, Anil	2014	pH-sensitive cross-linked guar gum-based superabsorbent hydrogels: Swelling response in simulated environments and water retention behavior in plant growth media	<i>J. Appl. Polym. Sci.</i> DOI: 10.1002/ APP.41060	7.77	-
325.	Chattaraj, S., Chakraborty, D., Sehgal, V.K., Paul, R.K., Singh, S.D., Daripa, A. and Pathak, H.	2014	Predicting the impact of climate change on water requirement of wheat in the semi-arid Indo-Gangetic plains of India	<i>Agril. Ecosys. Environ.</i> 197: 174-183	9.40	-
326.	Chandra, H., Sud, U.C. and Gharde, Y.	2014	Small area estimation using estimated population level auxiliary data	<i>Comm. Statist. – Simul. Comput.</i> DOI: 10.1080/ 03610918.2013. 810255	6.33	-
327.	Chilana, Poonam, Bhati, Jyotika, Sharma, Anu, Mishra, D.C. and Rai, Anil	2014	Analysis of codon usage pattern and prediction of potentially highly expressed genes in drosophila	<i>Europ. J. Mole. Bio. Biochem.</i> 1(4): 144-150	-	-
328.	Das, T.K., Paul, A.K. and Yaduraju, N.T.	2014	Density-effect and economic threshold of purple nutsedge ( <i>Cyperus rotundus</i> ) in soybean	<i>J. Pest. Sci.</i> 87(1): 211-220	8.64	-
329.	Das Manoranjan, Malhotra P.K., Marwaha, Sudeep and Pandey R.N.	2014	Web based software for the study of USDA soil taxonomy and classification of newly found soil	<i>Ind. J. Agril. Sci.</i> 84(9): 1088-1090	6.14	-
330.	Farooqi, Samir, Sanjukta, R.K., Mishra, Dwijesh Chandra, Singh, Dhananjaya Pratap, Rai, Anil and Chaturvedi, Krishna Kumar	2014	In silico analysis of synonymous codon usage pattern of rhizobium etli CFN 42	<i>Proc. Nat. Acad. Sci., India, Sect. B Biol. Sci.</i> DOI: 10.1007/ s40011-014-0457-x	-	-
331.	Gupta, A.K., Chandra, Hukum, Sud, U.C. and Singh, Man	2014	Methodology for estimation of meat production in North-East hilly region	<i>Ind. J. Anim. Sci.</i> 84(7): 783-788	6.16	-
332.	Gurung, B., Paul, R.K. and Ghosh, H.	2014	Fitting smooth transition autoregressive nonlinear time-series model using particle swarm optimization technique	<i>J. Ind. Soc. Agril. Statist.</i> 68(3): 327-332	5.50	-
333.	Gurung, B., Paul, R.K. and Lepcha, L.	2014	Volatility and co-integration in export of livestock and marine products of India	<i>Ind. J. Anim. Sci.</i> 84(11): 1244-1247	6.16	-



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334.	Gurung, Bishal, Prajneshu and Ghosh, Himadri	2014	Stochastic volatility model fitting using particle filter: An application	<i>J. Ind. Soc. Agril. Statist.</i> 68(3): 343-350	4.00	-
335.	Iquebal, M.A., Prajneshu and Sarika	2014	Nonlinear support vector regression methodology for modelling and prediction: An application	<i>J. Ind. Soc. Agril. Statist.</i> 68(3): 369-374	4.00	-
335.	Iquebal, M.A., Sarika and Rai, Anil	2014	Classification and identification of cattle antimicrobial peptides using Artificial Neural Network methodology	<i>Int. J. Agric. Statist. Sci.</i> 10(S1): 275-281	4.00	-
336.	Karak, T., Paul, R.K., Sonar, I., Sanyal, S., Ahmed, K.Z., Boruah, R.K., Das, D.K. and Dutta, A.K.	2014	Chromium in soil and tea ( <i>Camellia sinensis</i> L.) infusion: Does soil amendment with municipal solid waste compost make sense	<i>Food Res. Int.</i> 64: 114-124	8.82	-
337.	Karak, T., Sonar, I., Paul, R.K., Das, S., Boruah, R.K., Dutta, A.K. and Das, D.K.	2014	Composting of cow dung and crop residues using termite mounds as bulking agent	<i>Bioresour. Tech.</i> 169: 731-741	10.49	-
338.	Karak, Tanmoy, Sonar, Indira., Paul, R.K., Frankowski, Marcin, Boruah, Romesh K., Dutta, Amrit K. and Das, Dilip K.	2014	Aluminium dynamics from soil to tea plant ( <i>Camellia sinensis</i> L.): Is it enhanced by municipal solid waste compost application?	<i>Chemosphere</i> 119: 917-926	9.34	-
339.	Khandelwal, Ashish, Gupta, Suman, Gajbhiye, V.T. and Varghese, Eldho	2014	Degradation of Kresoxim-methyl in soil: Impact of varying moisture, organic matter, soil sterilization, soil type, light and atmospheric CO <sub>2</sub> level	<i>Chemosphere</i> 111: 209-217	9.34	-
340.	Keshri, V., Dhananjaya P., Singh, R., Prabha, A., Rai, A. and Sharma, K.	2014	Genome subtraction for the identification of potential antimicrobial targets in <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> PXO99A pathogenic to rice	3, <i>Biotech.</i> 4: 91-95 DOI: 10.1007/s13205-013-0131-7	3.58	-
341.	Kulhari, Alpna, Sheoran, Arun, Chaudhury, Ashok, Sarkar, Susheel and Kalia, Rajwant K.	2014	Quantitative determination of guggulsterone in existing natural population of <i>Commiphora wightii</i> (Arn.) Bhandari for identification of germplasm having higher guggulsterone content	<i>Physiol. Mol. Biol. Plants</i> DOI: 10.1007/s12298-014-027-1	4.63	-



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342.	Kumar, D., Kumar, Pradeep, Singh, Pawan, Yadav, S.P., Sarkar, Susheel Kumar, Bharadwaj, A. and Yadav, P.S.	2014	Characteristics of frozen thawed semen in predicting the fertility of buffalo bulls	<i>Ind. J. Anim. Sci.</i> 84(4): 389-392	6.16	-
343.	Kushwaha, B., Kumar, R., Agarwal, S., Pandey, M., Nagpure, N.S., Singh, M., Srivastava, S., Joshi, C.G., Das, P., Shah, T.M., Patel, A.B., Patel, N., Koringa, P., Das, S.P., Patnaik, S., Bit, A., Sarika, Iquebal, M.A., Kumar, D. and Jena, J.K.	2014	Assembly and variation analyses of <i>C. batrachus</i> mitogenome retrieved from WGS data and its phylogenetic relationship with other catfishes	<i>Meta Gene.</i> 5: 105-114	-	-
344.	Lal, S.B., Sharma, A., Chandra, H. and Rai, A.	2014	Web based sample selection for survey data	<i>J. Ind. Soc. Agril. Statist.</i> 68(1): 101-108	5.50	-
345.	Lapcha, L., Gurung, B., Paul, R.K. and Sinha, K.	2014	Stochastic model for sticklac forecasting in India	<i>Eco. Affairs</i> 59(3): 479-483	4.69	-
346.	Mahajan, G.R., Pandey, R.N., Dutta, S.C., Kumar, Dinesh, Sahoo, R.N. and Parsad, Rajender	2014	Fertilizernitrogen, phosphorus and sulphur prescription for aromatic hybrid rice ( <i>Oryza sativa</i> L.) using targeted yield approach	<i>Proceedings of the National Academy of Sciences, India - Section B: Biol. Sci.</i> 84(3): DOI: 10.1007/s40011-013-0268-5	-	-
347.	Mahajan, G.R., Pandey, R.N., Kumar, Dinesh, Datta, S.C., Sahoo, R.N. and Parsad, Rajender	2014	Development of critical values for the leaf color chart, spad and fieldscout cm 1000 for fixed time adjustable nitrogen management in aromatic hybrid rice ( <i>Oryza sativa</i> L.)	<i>Comm. Soil Sci. Plant Anal.</i> 45(14): 1877-1893	6.39	-
348.	Mahanta, Dibakar, Raj, K. Rai, Mishra, Shiva Dhar, Raja, Arunkumar, Purakayastha, Tapan J. and Varghese, Eldho	2014	In-ucence of phosphorus and biofertilizers on soybean and wheat root growth and properties	<i>Field Crops Res.</i> 166: 1-9	8.98	-
349.	Mandal, B.N., Gupta, V.K. and Parsad, Rajender	2014	Construction of efficient multi-level k-circulant super-saturated design	<i>Comm. Statist. - Theory Methods</i> 43: 599-615	6.27	-
350.	Mandal, B.N., Gupta, V.K. and Parsad, Rajender	2014	Efficient incomplete block designs through linear integer programming	<i>Amer. J. Math. Manage. Sci.</i> 33(2): 110-124		-



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351.	Meena, R.K., Singh, Y.V., Lata, Prasanna R., Kaur, C., Kumar A. and Bana, R.S.	2014	Influence of plant growth-promoting rhizobacteria inoculation on nutrient availability, soil microbial properties and defence enzymes in rice ( <i>Oryza sativa</i> ) crop	<i>Ind. J. Agric. Sci.</i> 84(6): 761-764	6.14	-
352.	Meher, P.K., Sahu, T.K., Rao, A.R. and Wahi, S.D.	2014	Application of Gibbs sampling methodology for identification of transcription factor binding sites in MADS box family genes in <i>Arabidopsis thaliana</i>	<i>Ind. J. Genet.</i> 74(1): 73-80	-	-
353.	Nigam, Deepti, Kumar, Sanjeev, Mishra, D.C., Rai, Anil, Smita, Suchi and Saha, Arijit	2014	Synergetic regulatory networks mediated by microRNAs and transcription factors under salinity, heat and drought stress in <i>Oryza Sativa spp.</i>	<i>Gene.</i> 555: 127-139	-	-
354.	Panwar, S., Singh, K.N., Kumar, A., Sarkar, S.K., Paul, R.K., Rathore, A. and Sivaramane, N.	2014	Forecasting of growth rates of wheat yield of Uttar Pradesh through non-linear growth models	<i>Ind. J. Agric. Sci.</i> 84(7): 68-71	6.14	-
355.	Parsad, Rajender, Agarwal, Niti, Sreenath, P.R. and Mandal, B.N.	2014	Balanced treatment block designs with nested rows and columns	<i>J. Comb. Info. Sys. Sci.</i> 39(1-2): 103-116	-	-
356.	Patil, D.V., Mani, Indra, Singh, Anupama and Varghese, Cini	2014	Determination of physical and engineering properties of hydrogel granules for designing the mechanical hydrogel applicator	<i>Int. J. Bioresour. Stress Manage.</i> 5(2): 234-239	4.46	-
357.	Paul, R.K.	2014	Forecasting wholesale price of pigeon pea using long memory time series models	<i>Agric. Eco. Res. Rev.</i> 27(2): 167-176	5.68	-
358.	Paul, R.K., Alam, W. and Paul, A.K.	2014	Prospects of livestock and dairy production in India under time series framework	<i>Ind. J. Anim. Sci.</i> 84(4): 462-466	6.16	-
359.	Paul, R.K., BIRTHAL, P.S. and Khokhar, A.	2014	Structural breaks in mean temperature over agro-climatic zones in India	<i>The Sci. World J.</i> DOI: 10.1155/2014/434325	6.00	-
360.	Paul, R.K., Ghosh, H. and Prajneshu	2014	Development of out-of-sample forecast formulae for ARIMAX-GARCH model and their application to forecasting wheat yield volatile data	<i>J. Ind. Soc. Agril. Statist.</i> 68(1): 85-92	5.50	-



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361.	Prabha, Ratna, Singh, Dhananjaya P., Gupta, Shailendra K. and Rai, Anil	2014	Whole genome phylogeny of prochlorococcus marinus group of cyanobacteria: Genome alignment and overlapping gene approach	<i>Interdiscip. Sci. Comput. Life Sci</i> 6: 1-9	6.66	-
362.	Ramasubramania, V. and Bhar, L.M.	2014	Crop yield forecasting by markov chain models and simulation	<i>Statist. Appl.</i> 12(1&2): 1-14	-	-
363.	Rao, A.R., Dash, M., Sahu, T.K., Behera, B.K. and Mohapatra, T.	2014	Detection of novel key residues of Mn SOD enzyme and its role in salinity management across species	<i>J. Genet. Online Resources</i> B: e8-e16	-	-
364.	Rao, A.R., Dash, M., Sahu, T.K., Wahi, S.D., Behera, B.K., Sharma, A.P. and Bhatia, V.K.	2014	Statistical and bio-computational applications in animal sciences	<i>Ind. J. Anim. Sci.</i> 84(5): 475-489	6.16	-
365.	Sahoo, P.M., Omiam, G., Handique, B.K., Rai, A. and Ahmad, T.	2014	Land use land cover mapping of West Garo hills district of Meghalaya using remote sensing	<i>J. Agril. Phy.</i> 14(1): 113-119	3.79	-
366.	Sahoo P.M., Sahoo, R.N., Pandya, D. and Saran, S.	2014	Land use/land cover mapping using high resolution multi-spectral satellite data	<i>J. Agril. Phy.</i> 14(2): 201-207	3.79	-
367.	Sahu, S., Sharma, J.P., Burman, R.R., Singh, P., Kumbhare, N.V., Varghese, Eldho	2014	Factors contributing to success and sustainability of farms produce promotion society (FAPRO)	<i>J. Community Mobil. Sustain. Dev.</i> 9(2): 210-213	3.46	-
368.	Sahu, T.K., Rao, A.R., Dora, S., Gupta, S. and Rai, A.	2014	In silico identification of late blight susceptibility genes in <i>Solanum tuberosum</i>	<i>Ind. J. Genet.</i> 74(2): 229-237	-	-
369.	Sarkar, Sujit, Padaria, R.N., Vijayaragavan, K., Pathak, Himanshu, Kumar, Pramod, Bhowmik, Arpan and Jha, G.K.	2014	Constructing a knowledge test to measure the knowledge level of farmers about climate change in arid ecosystem of India	<i>Int. J. Bioresour. Stress Manage.</i> 5(4): 530-555	4.46	-
370.	Sharma, Naveen, Farooqi, Samir, Chaturvedi, Krishna Kumar, Lal, Shashi Bhushan, Grover, Monendra, Rai, Anil and Pandey, Pankaj	2014	The Halophile protein database	<i>Oxford J.</i> DOI: 10.1093/database/bau114	-	-
371.	Shinogi, K.C., Rao, D.U.M., Srivastava, Sanjay, Varghese, Eldho and K.G., Rosin	2014	Sustainability of tribal farming: The case of natural farming model in the Parambikulam wildlife sanctuary of Kerala	<i>Int. J. Agric. Food Sci. Tech.</i> 5(7): 795-800	-	-



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372.	Singh, H. Jiten, De, Dipankar, Sahoo, P.K. and Iquebal, M.A.	2014	Development and evaluation of self-propelled multicrop planter for hill agriculture	<i>J. Agric. Engg.</i> 51(2): 1-8	4.27	-
373.	Singh, Madan, Burman, R.R., Sharma, J.P., Sangeetha, V. and Iquebal, M.A.	2014	Structural and functional mechanism of mobile based agro advisory services and socio-economic profile of the member farmers	<i>J. Community Mobil. Sustainable Dev.</i> 9(2): 192-199	3.46	-
374.	Sud, U.C., Chandra, H. and Gupta, V.K.	2014	On calibration approach based product estimator	<i>J. Statist. Theo. Pract.</i> 8: 1-14	4.72	-
375.	Varghese, Cini, Jaggi, Seema and Varghese, Eldho	2014	Generalized incomplete Trojan-type designs with unequal cell sizes	<i>Int. J. Theo. Appl. Sci.</i>	-	-
376.	Yadachi, Shiddanagouda, Mani, Indra, Kalra, M.S., Lande, Satish and Varghese, Cini	2014	Effect of coatings on physical and engineering properties of carrot ( <i>Daucus carota</i> L.) seeds in relation to the planter design	<i>Agric. Mechan. Asia, Africa Latin Amer.</i> 45(3): 64-68	6.01	-
377.	Ahammed, Shabeer T.P., Saha, Ajoy, Gajbhiye, V.T., Gupta, Suman, Manjaiah, K.M. and Varghese, Eldho	2015	Exploitation of nano-Bentonite, nano-Halloysite and organically modified nano-Montmorillonite as an adsorbent and coagulation aid for the removal of multi-pesticides from Water: A sorption modelling approach	<i>Water Air Soil Pollution</i> 226(3) DOI: 10.1007/s11270-015-2331-8	7.55	-
378.	Ahmad, T., Bathla, H.V.L., Rai, A. and Sahoo, P.M.	2015	Estimation of area and production of horticultural crops in Himachal Pradesh	<i>Adv. Appl. Res.</i> 7(1): 1-8	2.98	-
379.	Ahmad, T., Sahoo P.M. and Jally, S.K.	2015	Estimation of area under agroforestry using high resolution satellite data	<i>Agroforestry Systems</i> 90(2): 289-303	7.22	-
380.	Ahmad, T., Sahoo, P.M. and Jally, S.K.	2015	Agroforestry area estimation using remote sensing technique in Vaishali District of Bihar State	<i>Int. J. Agril. Statist. Sci.</i> 11(1): 269-274	(4)	-
381.	Anjum, A., Jaggi, S., Varghese, E., Lall, S., Bhowmik, A. and Rai, A.	2015	Identification of differentially expressed genes in RNA-seq data of Arabidopsis Thaliana: A compound distribution approach	<i>J. Comput. Bio.</i> 23(4): 239-247	-	-
382.	Anshida Beevi C.N., Wason, Padaria, R.N., Kumbhare, N.V. and Varghese, E.	2015	Socio-psychological drivers of livelihood diversification in Lakshadweep	<i>Ind. J. Extn. Edu.</i> 51(3&4): 34-39	3.26	-



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383.	Arya, P., Paul, R.K., Kumar, A., Singh, K.N., Sivaramne, N. and Chaudhary, P.	2015	Predicting pest population using weather variables: an ARIMAX time series framework	<i>Int. J. Agril. Statist. Sci.</i> 11(2): 381-386	4	-
384.	Banerjee, V., Das, B., Krishnan, P., Verma, A.P.S. and Varghese, E.	2015	Crop status index as an indicator of wheat crop growth condition under abiotic stress situations	<i>Field Crops Res.</i> 181: 16-31	8.98	-
385.	Behera, B.K., Baisvar, V.S., Kumari, K., Rout, A.K., Pakrashi, S., Paria, P., Rao, A.R. and Rai. A.	2015	The complete mitochondrial genome of the <i>Anabas testudineus</i> (Perciformes, Anabantidae) and its comparison with other related fish species	<i>Mitochondrial DNA</i> DOI: 10.3109/19401736.2015.111549	7.21	-
386.	Bhardwaj, S.P., Paul, R. and Kumar, A.	2015	Future trading in Soybean- An econometric analysis	<i>J. Ind. Soc. Agril. Statist.</i> 69(1): 11-17	5.5	-
387.	Bhardwaj, S.P., Paul, R.K. and Singh, K.N.	2015	Price forecast an instrument for improvement in agricultural production and marketing in Rajasthan- A case study of rape & mustard seeds	<i>Ind. J. of Agril. Marketing</i> 29(2): 163-171	2.89	-
388.	Bhatia, K., Asrey, R. and Varghese, E.	2015	Correct packaging retained phytochemical, antioxidant properties and increases shelf life of minimally processed pomegranate ( <i>Punica granatum</i> L.) arils Cv. Mridula	<i>J. Sci. Industrial Res.</i> 74: 141-144	6.5	-
389.	Chaduvula, P.K., Bhati, J., Rai, A., Gaikwad, K., Marla, S.S., Elangovan, M. and Kumar, S.	2015	Insilico expressed sequence tag analysis in identification and characterization of salinity stress responsible genes in <i>Sorghum bicolor</i>	<i>Aust. J. Crop Sci.</i> 9(9): 799-806	4	-
390.	Chandra, H., Salvati, N. and Chambers, R.	2015	A spatially nonstationary fay-herriot model for small area estimation	<i>J. Surv. Statist. Method.</i> 3(2): 109-135		-
391.	Das, Litan, Nain, M.S., Singh, Rashmi, Burman, R. Roy and Kumar, Anil	2015	Effectiveness of backward and forward linkage in fruit cultivation: A study of NERAMAC (North Eastern Regional Agricultural Marketing Corporation Limited)	<i>Ind. J. Extn. Edu.</i> 51(1&2): 70-74	3.26	-





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392.	Das, S., Bit, A., Patnaik, S., Sahoo, L., Meher, P., Saha, T. Patel, A., Patel, N., Koringa, Joshi, C., Agarwal, S., Pandey, M., Srivastava, S., Kushwaha, B., Kumar, R., Nagpure, N., Iquebal, M.A., Jaiswal, S., Kumar, D., Jayasankar, P., Jena, J. and Das, P.	2015	Low depth shotgun sequencing resolves complete mitochondrial genome sequence of <i>Labeo rohita</i>	<i>Mitochondrial DNA</i> http://www.tandfonline.com/doi/full/10.3109/19401736.2015.1074197	7.21	-
393.	Das, S., Pandey, P., Rai, A. and Mohapatra, C.	2015	A computational systems biology approach to construct gene regulatory networks for salinity response in rice ( <i>Oryza sativa</i> )	<i>Ind. J. Agril. Sci.</i> 85(12): 1546-1552	6.14	-
394.	Devi, C.P., Munshi, A.D., Behera, T.K., Choudhary, H., Vinod, Gurung, B., Saha, P.	2015	Cross compatibility study in interspecific hybridization of <i>Solanum melongena</i> and its wild relatives	<i>Scientia Horticulturae</i> 193: 353-358	7.37	-
395.	Divya, B., Robin, S., Biswas, A. and John, J.A.	2015	Genetics of association among yield and blast resistance traits in Rice ( <i>Oryza sativa</i> L.)	<i>Ind. J. Agril. Sci.</i> 85(3): 354-360	6.14	-
396.	Ghosh, H., Gurung, B. and Prajneshu	2015	Fitting EXPAR models through the extended Kalman filter	<i>Sankhya, Series B</i> 77-B(1): 27-44	-	-
397.	Gupta, S., Jadaun, A., Kumar, H., Raj, U., Varadwaj, P.K. and Rao, A.R.	2015	Exploration of new drug like inhibitors for serine/threonine protein phosphatase 5 of Plasmodium falciparum: A docking and simulation study	<i>J. Biomolecular Structure and Dynamics</i> 33(11): 2421-2441	8.92	-
398.	Gupta, S., Rao, A.R., Varadwaj, P., De, S. and Mohapatra, T.	2015	Extrapolation of inter domain communications and substrate binding cavity of Camel HSP70 1A: A molecular modeling and dynamics simulation study	<i>PLOS ONE</i> 10(8): e0136630 DOI: 10.1371/journal.pone.0136630	-	-
399.	Gurung, B., Singh, K.N., Paul, R.K., Arya, P., Panwar, S., Paul, A.K. and Lama, A.	2015	Fitting stochastic volatility model through genetic algorithm	<i>Int. J. Agril. Statist. Sci.</i> 11: 257-264	4	-



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400.	Gurung, B., Singh, K.N., Paul, R.K., Panwar, S., Gurung, B. and Lepcha, L.		An alternative method for forecasting price volatility by combining models	<i>Communications in Statistics - Simulation and Computation</i> DOI:10.1080/03610918.2015.1124115	6.33	-
401.	Gurung, Bishal	2015	An Exponential Auto-regressive (EXPAR) model for the forecasting of All India annual rainfall	MAUSAM 66(4): 847-849	6.18	-
402.	Gurung, B., Singh, K.N., Paul, RK, Arya, P., Panwar, S., Paul, A., Gurung, S.R. and Lama, A.	2015	Fitting Stochastic Volatility model through Genetic Algorithm	<i>Int. J. Agril. Statist. Sci.</i> 11(1): 257-264.4		-
403.	Iquebal, M.A., Sarika, Angadi, U.B., Sablok, G., Arora, V., Kumar, S., Rai, A. and Kumar, D.	2015	SBMDb: First whole genome microsatellite DNA marker database of sugar beet for bioenergy and industrial applications	<i>Database: J. of Biological Databases and Curation (Oxford Journal)</i> 2015: bav111	-	-
404.	Jaggi, Seema, Varghese, Cini, Varghese, Eldho and Sharma, Anu	2015	Web generation of experimental designs balanced for indirect effects of treatments (WEB-DBIE)	<i>Comput. Elect. Agric.</i> 111: 62-68	7.76	-
405.	Johar, V., Dhillon, R.S., Ajit and Handa, A.K.	2015	Phenological behaviour and reproductive biology of <i>Melia Composita</i>	<i>Ind. J. Agroforestry</i> 17(1): 62-67	4.5	-
406.	Joshi, Deepika, Singh, H.P., and Gurung, Bishal	2015	Stability Analysis of Indian Spices Export – A Markov Chain Approach	<i>Economic Affairs.</i> 60(2): 257-262	4.69	-
407.	Joshi, M.A., Aggarwal, D., Pandey, A., Bind, D. and Alam, W.	2015	Generation of distinct profiles of rice varieties based on agro-morphological characters and assessment of genetic divergence	<i>Res. on Crops</i> 16(2): 311-319	5	-
408.	Kale, S.J., Jha, S.K., Jha, G.K., Sinha, J.P. and Lal, S.B.	2015	Soaking induced changes in chemical composition, glycemic index and starch characteristics of basmati rice	<i>Rice Sci.</i> 22(4) DOI: 10.1016/S1672-6308(14)60296-1	4.59	-
409.	Karak, T., Kutu, F.R., Nath, J.R., Sonar, R., Paul, R.K., Boruah, R.K., Sanyal, S., Sabhapondit, S. and Dutta, A.K.	2015	Micronutrients (B, Co, Cu, Fe, Mn, Mo and Zn) content in made tea ( <i>Camellia sinensis</i> L.) and tea infusion with health prospect: A critical review	<i>Critical Reviews in Food Science and Nutrition</i> DOI: 10.1080/10408398.2015.1083534	11.18	-



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410.	Karak, T., Paul, R.K., Das, S., Das, D.K., Dutta, A.K. and Boruah, R.K.	2015	Fate of cadmium at the soil-solution interface: a thermodynamic study as influenced by varying pH at South 24 Parganas, West Bengal, India	<i>Environmental Monitoring and Assessment</i> 187(11): 1-18	7.68	-
411.	Karak, T., Paul, R.K., Sonar, I., Nath, J.R., Boruah, R.K. and Dutta, A.K.	2015	Nickel dynamics influenced by Municipal solid waste compost application in tea ( <i>Camellia sinensis</i> L.)-a cup that cheers	<i>International J. of Environmental Science and Technology</i> 13(2): 663-678	8.19	-
412.	Karak, T., Sonar, I., Nath, J.R., Paul, R.K., Das, S., Boruah, R.K., Dutta, A.K. and Das, K.	2015	Struvite for composting of agricultural wastes with termite mound: Utilizing the unutilized	<i>Bioresource Technology</i> 187: 49-59	10.49	-
413.	Khandelwal, A., Gupta, S., Gajbhiye, V.T. and Varghese, E.	2015	Degradation of Kresoxim-methyl in water: Impact of varying pH, temperature, light and atmospheric CO <sub>2</sub> level	<i>Bulletin of Environmental Contamination and Toxicology</i> DOI 10.1007/s00128-015-1627-0	7.26	-
414.	Kota, S., Singh, S.S., Singh, A.M., Mohapatra, T., Ahlawat, A.K., Brajendra, P. and Mandal, B.N.	2015	The Variation and stability analysis of starch pasting properties among new plant type (NPT) Wheat derivatives	<i>J. Agri. Sci. Tech.</i> 17: 1887-1902	6.7	-
415.	Kumar, R., Bhowmik, A., Chakdar, H., Elumalai, S. and Pabbi, S.	2015	Biochemical characterization and diversity analysis of cyanobacteria isolated from different locations	<i>VEGETOS</i> 28(1): 38-48	6	-
416.	Kumar, R.R., Goswami, S., Sharma, S.K., Kala, Y.K., Rai, G.K., Mishra, D.C., Grover, M., Singh, G.P., Pathak, H., Rai, A., Chinnusamy, V. and Rai, R.D.	2015	Harnessing next generation sequencing in climate change: RNA-Seq analysis of heat stress-responsive genes in wheat ( <i>Triticum aestivum</i> L.)	<i>Omics: J. Integrative Bio.</i> DOI: 10.1089/omi.2015.0097	8.36	-
417.	Karak, T., Sonar, I., Nath, J.R., Paul, R.K., Das, S., Boruah, R.K., Dutta, A.K. and Das, D.K.	2015	Struvite for composting of agricultural wastes with termite mound: Utilizing the unutilized	<i>Bioresour. Tech.</i> 187: 49-59	10.49	-
418.	Kumar, Ashok, Bhardwaj, S.P. and Singh, K.N.	2015	Impact of public investment in irrigation projects on food grain productivity	<i>J. Soc. Sci.</i> 42(1-2): 175-181	2.7	-



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419.	Kumar, Naveen, Mukherjee, Irani and Varghese, Eldho	2015	Adsorption-desorption of tricyclazole: Effect of soil types and organic matter	<i>Environ. Monitoring Assess.</i> DOI: 10.1007/s10661-015-4280-5	7.68	-
420.	Maibam, A., Tyagi, A., Satheesh, V., Mahato, A.K., Jain, N., Raje, R.S., Rao, A.R., Gaikwad, K. and Singh, N.K.	2015	Genome-wide identification and characterization of heat shock factor genes from pigeonpea ( <i>Cajanus cajan</i> )	<i>Mole. Plant Breed</i> 6(7): 1-11	-	-
421.	Mandal, B.N.	2015	Combinatorial equivalence of fractional factorial designs	<i>Comm. Statist. Simul. Comput.</i> 44(4): 1010-1019	6.33	-
422.	Mandal, B.N.	2015	Linear integer programming approach to construct balanced incomplete block designs	<i>Comm. Stat. Simul. Comput.</i> 44(6): 1405-1411	6.33	-
423.	Mandadi, N., Hendrickson, C., Handanahal, S., Rajappa, T., Pai, N., Javeed, S., Verghese, A., Rai, A., Pappu, A., Nagaraj, G. and Dhingra, A.	2015	Genome sequences of <i>Photobacterium luminescens</i> strains isolated from entomopathogenic nematodes from southern India	<i>Genomics Data</i> DOI: 10.1016/j.gdata.2015.07.023	-	-
424.	Mishra, S., Behera, T.K., Munshi, A.D., Bharadwaj, C. and Rao, A.R.	2015	Inheritance of gynocism and genetics of yield and yield contributing traits through generation mean analysis in bitter melon	<i>Ind. J. Horti.</i> 72(2): 218-222	6.13	-
425.	Nigam, D., Kadimi, P.K., Kumar, S., Mishra, D.C. and Rai, A.	2015	Computational analysis of miRNA-targets community network reveals cross talk of different metabolism	<i>Genomics Data</i> 5: 292-296	-	-
426.	Pal, S., Prajneshu and Ghosh, H.	2015	Development of a novel Web based WebECGR package for estimation of compound growth rates for monotonically non-decreasing situations	<i>Agril. Eco. Res. Rev.</i> 28(1): 163-170	5.68	-
427.	Pal, S., Prajneshu and Ghosh, H.	2015	Estimation of compound growth rates for non-monotonic situations through nonlinear growth models using WebECGR package	<i>J. Ind. Soc. Agril. Statist.</i> 69: 95-100	5.50	-
428.	Paul, A.K., Paul, R.K., Das, S., Behera, S.K. and Dhandapani, A.	2015	On some development of new nonparametric stability measures	<i>Ind. J. Agril. Sci.</i> 85(8): 113-117	6.14	-



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429.	Paul, R.K.	2015	ARIMAX - GARCH - WAVELET model for forecasting volatile data	<i>Model Assisted Statistics and Application</i> 10(3): 243-252	-	-
430.	Paul, R.K. and Birthal, P.S.	2015	Investigating rainfall trend over India using wavelet technique	<i>J. of Water and Climate Change</i> DOI: 10.2166/wcc.2015.079	-	-
431.	Paul, R.K., Bhar, L.M., Panwar, S. and Kumar, A.	2015	Robust analysis of agricultural field experiments	<i>Ind. J. Agric. Sci.</i> 85(1): 55-58	6.14	-
432.	Paul, R.K., Gurung, B. and Paul, A.K.	2015	Modeling and forecasting of retail price of arhar dal in Karnal, Haryana	<i>Ind. J. Agric. Sci.</i> 85(1): 69-72	6.14	-
433.	Paul, R.K., Bhardwaj, S.P., Singh, D.R, Kumar, A, Arya, P. and Singh, K.N.	2015	Price volatility in food commodities in India- An empirical investigation	<i>Int. J. Agril. Statist. Sci.</i> 11(2): 395-401	4.00	-
434.	Paul, R.K., Birthal, P.S., Paul, A.K. and Gurung, B.	2015	Temperature trend in different agro-climatic zones in India	<i>Mausam</i> 66(4): 841-846	6.18	-
435.	Paul, R.K., Gurung, B. and Samanta, S.	2015	Analyzing the effect of dual long memory process in forecasting agricultural prices in different markets of India	<i>Int. J. Empirical Finance</i> 4(4): 235-249	-	-
436.	Paul, R.K., Gurung, B., Samanta, S. and Paul, A.K.	2015	Modeling long memory in volatility for spot price of lentil with multi-step ahead out-of-sample forecast using AR-FIGARCH Model	<i>Eco. Affairs</i> 60(3): 457-466	4.69	-
437.	Paul, R.K., Rana, S. and Saxena, R.	2015	Effectiveness of price forecasting techniques for capturing asymmetric volatility for onion in selected markets of Delhi	<i>Ind. J. Agricul. Sci.</i> 86(3): 303-309	6.14	-
438.	Paul, R.K., Samanta, S. and Gurang, B.	2015	Monte Carlo simulation for comparison of different estimators of long memory parameter: An application of ARFIMA model for forecasting commodity price	<i>Model Assisted Statist. Application</i> 10(2): 116-127	-	-
439.	Paul, R.K., Saxena, R., Chaurasia, S., Zeeshan and Rana, S.	2015	Examining export volatility, structural breaks in price volatility and linkages between domestic and export prices of onion in India	<i>Agril. Eco. Res. Rev.</i> 28: 101-116	5.68	-



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440.	Rajurkar, G.B., Patel, Neelam, Rajput, T.B.S. and Varghese, Cini	2015	Effect of deficit irrigation on growth and yield of drip irrigated cabbage	<i>Ind. J. Agric. Sci.</i> 85(2): 189-193	6.14	-
441.	Roshan Kumar, Arpan Bhowmik, Hillol Chakdar, S. Elumalai and Sunil Pabbi	2015	Biochemical characterization and diversity analysis of cyanobacteria isolated from different locations	<i>VEGETOS</i> 28(1): 38-48	6.00	-
442.	Saha, S., Walia, S., Kundu, A., Sharma, K. and Paul, R.K.	2015	Optimal extraction and fingerprinting of carotenoids by accelerated solvent extraction and liquid chromatography with tandem mass spectrometry	<i>Food Chemistry</i> 177: 369-375	9.39	-
443.	Sahu, T.K., Rao, A.R., Meher, P.K., Sahoo, B.C., Gupta, S. and Rai, A.	2015	Computational prediction of MHC class I epitopes for most common viral diseases in cattle ( <i>Bos taurus</i> )	<i>Ind. J. Biochem. Biophys.</i> 52(1): 34-44	6.87	-
444.	Saxena, R., Paul, R.K., Rana, S., Chaurasia, S., Pal, K., Zeeshan and Joshi, D.	2015	Agricultural trade structure and linkages in SAARC: An empirical investigation	<i>Agril. Eco. Res. Rev.</i> 28(2): 311-358	5.68	-
445.	Sarika, Iquebal, M.A., Arora, Vasu, Rai, Anil and Kumar, Dinesh	2015	Species specific approach for development of web-based antimicrobial peptides prediction tool	<i>Comput. Elect. Agric.</i> 111: 55-61	7.76	-
446.	Sarkar, Dhruba Jyoti, Singh, Anupama, Mandal, Prithusayak, Kumar, Anil and Parmar, BS	2015	Synthesis and characterization of poly (cmc-g-cl-paam/zeolite) superabsorbent composites for controlled delivery of zinc micronutrient: Swelling and release behavior	<i>Polymer-Plastics Tech. Engg.</i> 54(4) DOI: 10.1080/03602559.2014.958773	5.00	-
447.	Sharma, P., Singh, Geeta, Sarkar, Sushil K., Rana, P. Singh	2015	Improving soil microbiology under rice-wheat crop rotation in Indo-Gangetic plains by optimized resource management	<i>Environ. Monitor. Assess.</i> 187(3) DOI: 10.1007/s10661-015-4338-4	7.68	-
448.	Singh, N.M.D., Paul, A.K. and Paul, R.K.	2015	Selecting appropriate non-linear growth models using bootstrap technique	<i>Ind. J. Anim. Sci.</i> 85(8): 104-107	6.16	-
449.	Singh, S., Paul, A.K., Paul, R.K., Bhar, L.M., Kumar, A. and Alam, W.	2015	Study of growth pattern of cattle under different error structures	<i>Model Assisted Statist. Application</i> 10: 109-115		-
450.	Som, S., Burman, R.R., Sharma, J.P., Sangeetha, V., Lenin, V. and Iquebal, M.A.	2015	Assessing information need of the stakeholders on good agricultural practices (GAP) for grapes	<i>Ind. J. Extn. Edu.</i> 51(3 & 4): 8-12	3.26	-



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451.	Som, S., Burman, R.R., Sharma, JP, Sangeetha, V., Lenin, V. and Iquebal, M.A.	2015	Designing and validating e-Learning Module on Good Agricultural Practices (GAP) for grapes	<i>Ind. J. Hort.</i> 72(4): 489-493	6.13	-
452.	Tandon, G., Sarika, Iquebal, M.A., Kumar, S, Kaur, S, Rai, A. and Kumar, D.	2015	Evidence of Salicylic Acid pathway with EDS1 and PAD4 proteins by molecular dynamics simulation for Grape improvement	<i>J. of Biomolecular Structure and Dynamics</i> 33(10): 2180-2191	8.92	-
453.	Tara Satyavathi, C., Mukesh Sankar, S., Singh, S.P., Sharma, R. and Varghese, E.	2015	Evaluation of newly developed white grain pearl millet lines against downy mildew cited by <i>Sclerospora graminicola</i>	<i>Int. J. Tropical Agric.</i> 33(2): 1381-1386	3.03	-
454.	Varghese, C., Varghese, E., Jaggi, S. and Parsad, R.	2015	Row-column designs for diallel cross experiments with specific combining abilities	<i>J. Ind. Soc. Agril. Statist.</i> 69(2): 201-225	5.50	-
455.	Varghese, C., Varghese, E., Jaggi, S. and Bhowmik, A.	2015	Experimental designs for open-pollination in polycross trials	<i>J. Applied Statist.</i> 42(11): 2478-2484 DOI: 10.1080/02664763.2015.1043860	6.42	-
456.	Varghese, E. and Varghese, C.	2015	Variance balanced row-column designs involving diallel crosses incorporating specific combining abilities for comparing test lines with a control line	<i>Comm. Statist. Theo. Methods</i> DOI: 10.1080/03610926.2015.1032428	6.27	-
457.	Wani, M.H., Bazaz, N.H., Paul, R.K., Showkat, A.I. and Bhat, A.	2015	Inter-sectoral linkages in Jammu and Kashmir economy - An econometric analysis	<i>Agril. Eco. Res. Rev.</i> 28: 11-24	5.68	-
458.	Wani, M.H., Paul, R.K., Bazaz, N.H. and Bhat, A.	2015	Market integration and causality in pear in India	<i>Economic Affairs-Quarterly J. Eco.</i> 60(4): 735-740	2.34	-
459.	Wani, M.H., Paul, R.K., Bazaz, N.H. and Manzoor, M.	2015	Market Integration and price forecasting of apple in India	<i>Ind. J. Agril. Eco.</i> 70(2): 169-181	5.04	-
460.	Wani, M.H., Sehar, H., Paul, R.K., Kuruvila, A. and Hussain, I.	2015	Supply response of horticultural crops: A case of apple and pear in Jammu and Kashmir, India	<i>Agril. Eco. Res. Rev.</i> 28(1): 83-89	5.68	-
461.	Tandon, Gitanjali, Sarika, Iquebal, M.A., Kumar, Sunil, Kaur, Sukhdeep, Rai, Anil and Kumar, Dinesh	2015	Evidence of salicylic acid pathway with EDS1 and PAD4 proteins by molecular dynamics simulation for Grape improvement	<i>J. Biomole. Structure Dynamics</i> DOI: 10.1080/07391102.2014.996187	8.92	-



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462.	Tiwari, K.K., Singh, A., Pattnaik, S., Sandhu, M., Kaur, S., Jain, S., Tiwari, S., Mehrotra, S., Anumalla, M., Samal, R., Bhardwaj, J., Dubey, N., Sahu, V., Kharshing, G.A., Zeliang, P.K., Sreenivasan, K., Kumar, P., Parida, S.K., Mithra, S.V.A., Rai, V., Tyagi, W., Agarwal, P.K., Rao, A.R., Pattanayak, A., Chandel, G., Singh, A.K., Bisht, I.S., Bhat, K.V., Rao, G.J.N., Khurana, J.P., Singh, N.K. and Mohapatra, T.	2015	Identification of a diverse mini-core panel of Indian rice germplasm based on genotyping using micro-satellite markers	<i>Plant Breed</i> DOI: 10.1111/ pbr.12252	7.60	-
463.	Bhati, J., Chaduvula, P.K., Kumar, S., Marla, S.S. and Rai, A.	2016	In-silico prediction and functional analysis of salt stress responsive genes in Rice ( <i>Oryza sativa</i> )	<i>J. Rice Res.</i> 4: 164		-
464.	Chandra, H. and Chambers, R.	2016	Small area estimation for semicontinuous data	<i>Biometrical J.</i> 58(2): 303-319	6.95	-
465.	Chaturvedi, V., Kumar, A., Mishra, I.M., Singh, J.K., Sahoo, R.N., Jha, G.K. and Lal, S.B.	2016	Study on interventions to reduce vibration transmission to power tiller operator	<i>J. Appl. Natural Sci.</i> 8(1): 265-272	5.08	-
466.	Ganeshan, P., Jain, A., Parmar, B., Rao, A.R., Sreenu, K., Mishra, P., Mesapogu, S., Subrahmanyam, D., Ram, T., Sarla, N. and Rai, V.	2016	Identification of salt tolerant rice lines among interspecific BILs developed by crossing <i>Oryza sativa</i> × <i>O. rufipogon</i> and <i>O. sativa</i> × <i>O. nivara</i>	<i>Australian Journal of Crop Science</i> 10(2): 220-228	4.00	-
467.	Jaggi, S., Varghese, C. and Varghese, E.	2016	A series of generalized incomplete Trojan-type designs	<i>J. of Combinatorics, information and System Sciences: American J.</i> 40(1-4): 53-60	-	-
468.	Jaiswal, S., Dhanda, S.K., Iquebal, M.A., Arora, V., Shah, T.M., Angadi, U.B., Joshi, C.G., Rahgava, G.P.S., Rai, Anil and Kumar, D.	2016	BIS-CATTLE: A Web Server for Breed Identification using Microsatellite DNA Markers	<i>Amer. J. Bioinfor.</i> <a href="http://thescipub.com/abstract/10.3844/ofsp.10407">http://thescipub.com/abstract/10.3844/ofsp.10407</a>	-	-





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469.	Kaur, C., Rudra, S.G., Saha, S., Varghese, E., Nagal, E.	2016	Increasing anthocyanin content in black carrot juice by an enzyme assisted process: Optimization using response surface methodology	<i>Nutrafoods</i> 15: 59-67	-	-
470.	Kumar, M., Dubey, A.K., Dubey, U.C. and Ahmad, T.	2016	Quantification of Agricultural Mechanization for Soybean -Wheat Cropping Pattern in Bhopal Region of India	<i>Agricultural Mechanization in Asia, Africa and Latin America</i> 47(1): 28-32	6.01	-
471.	Kumar, M., Sarangi, A., Singh, D.K., Rao, A.R. and Sudhishri, S.	2016	Response of wheat cultivars to foliar potassium fertilization under irrigated saline environment	<i>J. Applied Natural Sci.</i> 8(1): 429-436	5.08	-
472.	Mandal, B.N., Parsad, R. and Gupta, V.K.	2016	Cyclic circular balanced and strongly balanced crossover designs through integer programming	<i>Communications in Statistics- Theory and Methods</i> 45(4): 859-871	6.27	-
473.	Nath, P., Kaur, C., Rudra, S.G. and Varghese, E.	2016	Enzyme-assisted extraction of carotenoid- rich extract from red capsicum ( <i>Capsicum annum</i> )	<i>Agric. Res.</i> DOI: 10.1007/s40003-015-0201-7	5.88	-
474.	Paul, R.K. and Sinha, K.	2016	Forecasting crop yield: a comparative assessment of ARIMAX and NARX model	<i>RASHI</i> 1(1): 77-85		-
475.	Paul, R.K. and Sinha, K.	2016	Forecasting crop yield: A comparative assessment of ARIMAX and NARX model	<i>Society for Application of Statistics in Agriculture and Allied Sciences</i> 1(10): 77-85		-
476.	Singh, B.K., Mishra, D.C., Yadav, S., Ambawat S., Vaidya, E., Tribhuvan, K.U., Kumar, A., Kumar, S., Kumar, S., Chaturvedi, K.K., Rani, R., Yadav, P., Rai, A., Rai, P.K., Singh, V.V., Singh, D.	2016	Identification, characterization, validation and cross-species amplification of genic-SSRs in Indian Mustard ( <i>Brassica juncea</i> )	<i>J. Plant Biochem. Biotech.</i> DOI: 10.1007/s13562-016-0353-y	7.09	-

### Research Publications of Student's

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1.	Kankure, Ajay and Rai, Anil	2007	Spatial ranked set sampling from spatially correlated population	<i>J. Ind. Soc. Agril. Statist.</i> 61(3): 389-399	5.50	-



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2.	Kolluru, Ramesh, Rao, A.R., Prabhakaran, V.T., Selvi, A. and Mohapatra, T.	2007	Comparative evaluation of clustering techniques for establishing AFLP based genetic relationship among sugarcane cultivars	<i>J. Ind. Soc. Agril. Statist.</i> 61(1): 51-65	5.50	-
3.	Pateria, Dinesh Kumar, Jaggi, Seema, Varghese, Cini and Das, M.N.	2007	A series of incomplete non circular block designs for competition effects	<i>J. Stat. Appl.</i> 5(1-2): 5-14	-	-
4.	Sarkar, Ananta, Parsad, Rajender, Rathore, Abhishek and Gupta, V.K.	2007	Efficient block designs for microarray experiments	<i>J. Ind. Soc. Agril. Statist.</i> 61(2): 227-248	5.50	-
5.	Sarkar, S.K. and Lal, Krishan	2007	Computer aided generation of linear trend-free response surface designs	<i>Ind. J. Appl. Statist.</i> 11: 34-38		-
6.	Satpati, Subrata Kumar, Parsad, Rajender and Gupta, V.K.	2007	Efficient block designs for dependent observations: A computer aided search	<i>Comm. Statist. - Theory Methods</i> 36(6): 1187-1223	6.27	-
7.	Sud, U.C., Pal, Prasenjit and Sethi	2007	Estimating population mean square through predictive approach when auxiliary character is estimated	<i>J. Ind. Soc. Agril. Statist.</i> 61(3): 364-368	5.50	-
8.	Tomar, Jitendra Singh and Jaggi, Seema	2007	Efficient neighbour balanced block designs for correlated observations	<i>Metron</i> LXV (2): 229-238	-	-
9.	Dey, Amitava, Ghosh, Himadri and Sharma, V.K.	2008	Prediction for seemingly unrelated regressions with autocorrelated errors	<i>J. Ind. Soc. Agril. Statist.</i> 62: 34-41	5.50	-
10.	Dwivedi, Lokesh, Varghese, Cini and Jaggi, Seema	2008	Factorial change-over designs balanced for one factor	<i>Int. J. Stat. Sys.</i> 3(2): 137-145		-
11.	Ghosh, H., Iquebal, M.A. and Prajneshu	2008	A bootstrap study of variance estimation under heteroscedasticity using algorithm	<i>J. Statist. Theo. Prac.</i> 2: 55-59	4.72	-
12.	Ghosh, H., Singh, R.K. and Prajneshu	2008	Possibilistic linear regression analysis with fuzzy response variable for crop yield estimation	<i>Cal. Stat. Assoc. Bull.</i> 60: 123-44	-	-
13.	Mandal, B.N., Parsad, Rajender and Gupta, V.K.	2008	Computer aided construction of balanced sampling plans excluding contiguous units	<i>J. Statist. Application</i> 3(1): 59-85	-	-
14.	Mandal, B.N., Parsad, Rajender and Gupta, V.K.	2008	IPPS sampling plans excluding adjacent units	<i>Comm. Statist. - Theory Methods</i> 37(16): 2532-2550	6.27	-
15.	Mandal, B.N., Parsad, Rajender, Gupta, V.K. and Sud, U.C.	2008	Nested stratified sampling	<i>Model Asst. Statist. Appl.</i> 3(3): 211-223	-	-



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16.	Parsad, Rajender, Nandi, P.K., Bhar, L.M. and Gupta, V.K.	2008	Outliers in multi-response experiments	<i>J. Statist. Appl.</i> 6(1&2): 275-292	-	-
17.	Sarkar, Susheel Kumar and Lal, Krishan	2008	Profile analysis for animal growth data	<i>Ind.J. Anim. Sci.</i> 78: 401-405	6.16	-
18.	Singh, R.K., Prajneshu and Ghosh, Himadri	2008	A two-stage fuzzy least squares procedure for fitting linearized von Bertalanffy growth model	<i>Ind. J. Fish.</i> 55(3): 235-240	6.22	-
19.	Singh, R.K. and Prajneshu	2008	Artificial neural network methodology for modeling and forecasting maize crop yield	<i>Agril. Eco. Res. Rev.</i> 21: 5-10	5.68	-
20.	Singh, R.K. and Prajneshu	2008	Neuro-fuzzy approach for modelling and forecasting: An application	<i>J. Ind. Soc. Agril. Statist.</i> 62: 214-220	5.50	-
21.	Singh, R.K., Ghosh, H. and Prajneshu	2008	A modified fuzzy least-squares approach for fuzzy linear regression analysis: An application	<i>J. Stat. Appl.</i> 3: 171-181	-	-
22.	Singh, R.K., Ghosh, H. and Prajneshu	2008	Possibility and necessity measures for fuzzy linear regression analysis: An application	<i>J. Ind. Soc. Agril. Statist.</i> 62: 19-25	5.50	-
23.	Srivastava, R., Parsad Rajender, Dey, Amitava and Gupta, V.K.	2008	A-optimal block designs for multiple parallel line assays	<i>J. Ind. Soc. Agril. Statist.</i> 62(3): 231-243	5.50	-
24.	Sud, U.C. and Mishra, Dwijesh	2008	Estimation of finite population mean using double ranked set sampling	<i>J. Ind. Soc. Agril. Statist.</i> 62(3): 203-207	5.50	-
25.	Sunilkumar, G. and Prajneshu	2008	Modelling and forecasting India's marine fish production data using wavelet thresholding for autocorrelated errors	<i>Ind. J. Fish.</i> 55: 291-294	6.22	-
26.	Abeynayake, N.R. and Jaggi, Seema	2009	A review of block designs for test treatments control(s) comparisons	<i>J. Food Agril.</i> 2(1): 22-29	-	-
27.	Abeynayake, N.R. and Jaggi, Seema	2009	A review of block designs with neighbour effects	<i>Sri Lankan J. Appl. Statist.</i> 10: 85-103	-	-
28.	Choudhary, S.K., Rao, A.R., Wahi, S.D. and Prabhakaran, V.T.	2009	Performance of simultaneous selection index against missing observations in genotype X environment data	<i>J. Genet. Evol.</i> 2(4): 36-42	-	-



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29.	Dash, Sukanta, Wahi, S.D. and Rao, A.R.	2009	An empirical investigation on classical clustering methods	<i>J. Genet. Evol.</i> 2: 74-79	-	-
30.	Iquebal, M.A., Prajneshu and Ghosh, Himadri	2009	Application of genetic algorithm optimization technique for fitting non-linear Richards growth model	<i>Ind. J. Agric. Sci.</i> 79: 399-401	6.14	-
31.	Mandal, B.N., Parsad, Rajender, Gupta, V.K. and Sud, U.C.	2009	A family of distance balanced sampling plans	<i>J. Statist. Plann. Inf.</i> 139: 860-874	6.68	-
32.	Parsad, R., Rathore, Abhishek and Gupta, V.K.	2009	Computer aided construction of efficient designs for making treatment-treatment and treatment-control comparisons	<i>Amer. J. Math. Manag. Sci.</i> 29(1&2): 201-228	-	-
33.	Pateria, Dinesh Kumar, Jaggi, Seema and Varghese, Cini	2009	Self-neighbourhood strongly balanced block designs	<i>J. Ind. Statist. Assoc.</i> 47(1): 1-14	-	-
34.	Paul, R.K., Prajneshu and Ghosh, Himadri	2009	GARCH nonlinear time-series analysis for modeling and forecasting of India's volatile spices export data	<i>J. Ind. Soc. Agril. Statist.</i> 63(2): 123-131	5.50	-
35.	Raju, B.M.K., Bhatia, V.K. and Bhar, L.M.	2009	Assessing stability of crop varieties with incomplete data	<i>J. Ind. Soc. Agril. Statist.</i> 63(2): 139-150	5.50	-
36.	Sarika, Jaggi, Seema and Sharma, V.K.	2009	Second order response surface model with neighbour effects	<i>Comm. Statist.- Theory Methods</i> 38: 1393-1403	6.27	-
37.	Sarkar, Susheel Kumar, Lal, K. and Jha, G.K.	2009	Non-linear growth models for pigs	<i>Ind. Vete. J.</i> 86: 796-799	4.33	-
38.	Sunilkumar, G. and Prajneshu	2009	Wavelet methodology for jump detection in time-series data	<i>J. Statist. Appl.</i> 4(4): 657-667	-	-
39.	Varghese, Cini, Dwivedi, Lokesh and Jaggi, Seema	2009	Factorial change over designs for two non-interacting factors	<i>J. Statist. Theo. Appl.</i> 8(3): 311-323	4.72	-
40.	Behera, Subrat Keshori, Paul, A.K., Wahi, S.D. and Singh, Pal	2010	Estimation of heritability of mastitis disease using ANOVA method	<i>J. Genet. Evol.</i> 3: 24-29	-	-
41.	Ghosh, H., Paul, R.K. and Prajneshu	2010	Functional coefficient autoregressive nonlinear time-series model for forecasting Indian lac export data	<i>Model Asst. Statist. Appl.</i> 5(1): 101-108	-	-
42.	Ghosh, Himadri, Paul, R.K. and Prajneshu	2010	Nonlinear time series modeling and forecasting for periodic and ARCH effects	<i>J. Statist. Theo. Prac.</i> 4(1): 27-44	4.72	-



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43.	Ghosh, H., Paul, R.K., and Prajneshu	2010	GARCH and EGARCH nonlinear time-series models for volatile data: An application	<i>J. Statist. Appl.</i> 5: 177- 193	-	-
44.	Iquebal, M.A., Ghosh, H. and Prajneshu	2010	Application of genetic algorithm for fitting selfexciting threshold autoregressive nonlinear timeseries model	<i>J. Ind. Soc. Agril. Statist.</i> 64(3): 391-398	5.50	-
45.	Jaggi, Seema, Sarika and Sharma, V.K.	2010	Response surface analysis incorporating neighbour effects from adjacent units	<i>Ind. J. Agril. Sci.</i> 80(8): 719-723	6.14	-
46.	Jaggi, Seema, Varghese, Cini and Abeynayake, N.R.	2010	Neighbour balanced block designs for two factors	<i>J. Mod. Appl. Statist. Methods</i> 9(2): 452-460	-	-
47.	Mandal, B.N., Gupta, V.K. and Parsad, R.	2010	Inclusion probability inversely proportional to size sampling	<i>J. Statist. Appl.</i> 5(1): 15-26	-	-
48.	Mandal, B.N., Parsad, R. and Gupta, V.K.	2010	Linear integer programming approach to construct distance balanced sampling plans	<i>J. Ind. Soc. Agril. Statist.</i> 64(2): 303-312	5.50	-
49.	Meher, P.K., Rao, A.R., Wahi, S.D. and Jaggi, N.	2010	Detection of multivariate outliers in breeding data	<i>Intt. J. Statist Sys.</i> 5(4): 527-535	-	-
50.	Paul, R.K., Ghosh, H. and Prajneshu	2010	Wavelet frequency domain approach for statistical modelling of Indian monsoon rainfall time-series data	<i>J. Statist. Theo. Prac.</i> 4: 813-825	4.72	-
51.	Rao, A.R., Choudhary, S.K., Wahi, S.D. and Prabhakaran, V.T.	2010	An index for simultaneous selection of genotypes for high yield and stability under incomplete genotype $\times$ environment data	<i>Ind. J. Genet.</i> 70(1): 80-84	4.00	-
52.	Sarkar, Ananta, Parsad, R., Gupta, V.K., Chatterjee, Kashinath and Rathore, Abhishek	2010	Efficient row-column designs for microarray experiments	<i>J. Ind. Soc. Agril. Statist.</i> 64(1): 89-117	5.50	-
53.	Sharma, V.K., Gharde, Yogita and Varghese, Cini	2010	Minimal strongly balanced changeover designs with first residuals	<i>African J. Math. Comp. Sci. Res.</i> 3(9): 195-198	-	-
54.	Varghese, Cini, Sonawane, M.N., Jaggi, Seema and Sharma, V.K.	2010	Repeated measurements designs for bioequivalence trials	<i>J. Statist. Appl.</i> 5(1): 47-59	-	-
55.	Abeynayake, N.R., Jaggi, Seema and Varghese, Cini	2011	Neighbour balanced bipartite block designs	<i>Comm. Statist.- Theory Methods</i> 40: 4041-4052	6.27	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
56.	Abeynayake, N.R., Jaggi, Seema and Varghese, Cini	2011	Robustness of neighbour balanced complete block designs against missing observation(s)	<i>Model Assist. Statist. Appl.</i> 6(2): 81-87	-	-
57.	Ashraf, Jawaid, Jaggi, Seema and Varghese, Cini	2011	Block designs for two non-interacting sets of treatments	<i>J. Statist. Appl.</i> 6(1-2): 59-68	-	-
58.	Bhowmik, A., Ramasubramania, V., Chandrahas and Kumar, Amrender	2011	Logistic regression for classification in agricultural ergonomics	<i>Adv. App. Res.</i> 3(2): 163-170	-	-
59.	Ghosh, H., Gurung, B. and Prajneshu	2011	Methodology for combining linear and nonlinear time-series models for cyclical data	<i>J. Ind. Soc. Agril. Statist.</i> 65: 237-256	5.50	-
60.	Ghosh, H., Iquebal, M.A. and Prajneshu		Bootstrap study of parameter estimates for nonlinear Richards growth model through genetic algorithm	<i>J. Appl. Statist.</i> 38: 491-500	6.42	-
61.	Mandal, B.N., Gupta, V.K. and Parsad, Rajender	2011	Construction of polygonal designs using linear integer programming	<i>Comm. Statist. Theory Methods</i> 40: 1787-1794	6.27	-
62.	Pateria, D.K., Jaggi, Seema and Varghese, Cini	2011	Universally optimal circular neighbour balanced block designs under mixed effects model	<i>Utilitas Mathematica</i> 85: 33-43	6.35	-
63.	Paul, R.K. and Bhar, L.M.	2011	M-estimation in block designs	<i>J. Ind. Soc. Agril. Statist.</i> 65(3): 323-330	5.5	-
64.	Samanta, S., Prajneshu and Ghosh, H.	2011	Modelling and forecasting cyclical fish landings: SETARMA nonlinear time-series approach	<i>Ind. J. Fish.</i> 58: 39-43	6.22	-
65.	Sarkar, Rupam Kumar, Rao, A.R., Wahi, S.D. and Bhat, K.V.	2011	A comparative performance of clustering procedures for mixture of qualitative and quantitative data – An application to black gram	<i>Plant Genetic Resources: Characterization and Utilization</i> 9(4): 523-527	6.58	-
66.	Sonawane, M.N., Varghese, Cini and Jaggi, Seema	2011	Repeated measurements designs for comparing two disjoint sets of formulations in bioequivalence trials	<i>J. Appl. Statist. Sci.</i> 19(1): 89-98	6.42	-
67.	Varghese, Eldho and Jaggi, Seema	2011	Blocking response surface designs incorporating neighbour effects	<i>Open J. Statist.</i> 1(3): 199-204	-	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
68.	Varghese, Eldho, Jaggi, Seema and Varghese, Cini	2011	Row-column designs balanced for nondirectional neighbour effects	<i>Model Assist. Statist. Appl.</i> 64: 307-316	-	-
69.	Abeynayake, N.R., Jaggi, Seema and Varghese, Cini	2012	Neighbour balanced block designs for test treatments-control comparisons	<i>Int. J. Math. Statist.</i> 12(2): 81-96	-	-
70.	Aditya, K., Sud, U.C. and Chandra, H.	2012	Estimation of domain total for unknown domain size in the presence of nonresponse	<i>Statist. Appln.</i> 10(1-2): New Series 13-25	-	-
71.	Agrawal, Ranjana, Chandrahas, Aditya, Kaustav	2012	Use of discriminant function analysis for forecasting crop yield	<i>Mausam</i> 63(3): 455-458	6.18	-
72.	Bhowmik, Arpan, Jaggi, Seema, Varghese, Eldho and Varghese, Cini	2012	Block designs balanced for second order interference effects from neighbouring experimental units	<i>Statist. Appln.</i> 10(1&2): 1-12	-	-
73.	Dash, Sukanta, Wahi, S.D. and Rao, A.R.	2012	Classification of maize genotypes by artificial neural network-based method: self-organizing feature map	<i>Ind. J. Agril. Sci.</i> 82(2): 161-163	6.14+	-
74.	Gharde, Yogita, Rai, Anil and Chandra, Hukum	2012	Hierarchical bayes small area approach for spatial data	<i>J. Ind. Soc. Agril. Statist.</i> 66(2): 259-268	5.50	-
75.	Iquebal, M.A., Ghosh, Himadri and Prajneshu	2012	Genetic algorithm optimization technique for linear regression models with heteroscedastic errors	<i>Ind. J. Agril. Sci.</i> 82(5): 422-425	6.14	-
76.	Paul, R.K. and Bhar, L.	2012	Robust analysis of block designs: A new objective function	<i>Int. J. Agril. Statist. Sci.</i> 8(1): 243-250	4.00	-
77.	Pradhan, U.K., Lal, Krishan and Gupta, V.K.	2012	Optimum conditions for mixture experiments with process variable for the expected response with minimum variability	<i>Statist. Appln.</i> 10: 63-71	-	-
78.	Raman, R.K., Wahi, S.D. and Paul, A.K.	2012	Linear discriminant function under multivariate non-normal rice ( <i>Oryza sativa</i> ) and maize ( <i>Zea mays</i> ) data	<i>Ind. J. Agril. Sci.</i> 82(5): 436-439	6.14	-
79.	Sarkar, Rupam Kumar, Rao, A.R., Wahi, S.D. and Bhat, K.V.	2012	Performance of clustering procedures for grouping germplasm based on mixture data with missing observations	<i>Ind. J. Agril. Sci.</i> 82(12): 1055-1058	6.14	-



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80.	Satpati, Subrata Kumar, Gupta, V.K., Parsad, Rajender and Aggarwal, M.L.	2012	Computer generated change-over designs for correlated observations	<i>Comm. Statist.: Theo. Meth.</i> 41: 3786-3798	6.27	-
81.	Sud, U.C., Aditya, Kaustav, Chandra, Hukum and Parsad, Rajender	2012	Two stage sampling for estimation of population mean with sub-sampling of non-respondents	<i>J. Ind. Soc. Agril. Statist.</i> 66(3): 447-457	5.50	-
82.	Bhowmik, Arpan, Jaggi, Seema, Varghese, Cini and Varghese, Eldho	2013	Universally optimal second order neighbour designs	<i>Model Assist. Statist. Appln.</i> 8: 309-314	-	-
83.	Biswas, Ankur, Ahmad, Tauqueer and Rai, Anil	2013	Variance estimation using jackknife method in ranked set sampling under finite population framework	<i>J. Ind. Soc. Agril. Statist.</i> 67(3): 345-353	5.50	-
84.	Dash, S., Parsad, R. and Gupta, V.K.	2013	Row-Column designs for 2 <sup>n</sup> factorial 2-colour microarray experiments for estimation of main effects and two-factor interactions with orthogonal parameterization	<i>Agril. Res.</i> 2(2): 172-182	5.88	-
85.	Gharde, Yogita, Rai, Anil and Jaggi, Seema	2013	Bayesian prediction in spatial small area models	<i>J. Ind. Soc. Agril. Statist.</i> 67(3): 355-362	5.50	-
86.	Ghosh, Himadri, Prajneshu and Samanta, S.	2013	Fitting of SETARMA nonlinear time-series model through Genetic algorithm and development of out-of-sample forecasts	<i>Statistics</i> DOI: org/10.1080/02331888.2013.822502	6.53	-
87.	Gurung, B., Ghosh, Himadri and Prajneshu	2013	Stochastic Volatility models for forecasting of volatile data	<i>Ind. J. Agric. Sci.</i> 83(12): 93-96	6.14	-
88.	Iquebal, M.A., Ghosh, H. and Prajneshu	2013	Fitting of SETAR three-regime nonlinear time series model to Indian lac production data through genetic algorithm	<i>Ind. J. Agric. Sci.</i> 83(12): 130-132	6.14	-
89.	Kumar, M., Ahmad, T., Rai, A. and Sahoo, P.M.	2013	Methodology for construction of composite index	<i>Intt. J. Agril. Statist. Sci.</i> 9(2): 639-647	4.00	-
90.	Nitiprasad N and Lal, Krishan	2013	Construction of two-level irregular minimum aberration fractional factorial plans	<i>Model Assist. Statist. Appln.</i> 8: 301-307	-	-
91.	Paul, R.K., Prajneshu and Ghosh, H.	2013	Modelling and forecasting of wheat yield data based on weather variables	<i>Ind. J. Agric. Sci.</i> 83(2): 180-183	6.14	-





S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
92.	Paul, R.K., Prajneshu, and Ghosh, H.	2013	Wavelet frequency domain approach for modelling and forecasting of Indian monsoon rainfall time-series data	<i>J. Ind. Soc. Agril. Statist.</i> 67(3): 319-327	5.50	-
93.	Paul, R.K., Prajneshu and Ghosh, H.	2013	Modelling and forecasting of wheat yield data based on weather variables	<i>Ind. J. Agril. Sci.</i> 83(2): 180-183	6.14	-
94.	Prasad, Sanjay Kumar and Bhar, L.M.	2013	Bayesian analysis of experimental data	<i>Pak. J. Statist. Operation Res.</i> 9(2): 225-239	-	-
95.	Rai, Anil and Krishna, Praveen	2013	Ranked set sampling from finite population under randomized framework	<i>J. Ind. Soc. Agril. Statist.</i> 67(3): 363-369	5.50	-
96.	Raman, R.K., Sud, U.C., Chandra, H. and Gupta, V.K.	2013	Calibration estimator of population total with sub-sampling of non-respondents	<i>J. Ind. Soc. Agril. Statist.</i> 67(3): 329-337	5.50	-
97.	Sarika, Jaggi, Seema and Sharma, V.K.	2013	First order rotatable designs incorporating neighbour effects	<i>ARS Combinatoria</i> 112: 145-159	6.26	-
98.	Sarkar, Kallol, Varghese, Cini, Jaggi, Seema and Varghese, Eldho	2013	Balanced treatment-control row-column designs	<i>Intt. J. Theo. Appl. Sci.</i> 5(2): 60-64	-	-
99.	Shekhar, S. and Bhar, L.M.	2013	Incomplete block designs for parallel line assays	<i>Int. J. Agric. Statist. Sci.</i> 9: 1-10	4.00	-
100.	Srivastava, Sudhir, Varghese, Cini, Jaggi, Seema and Varghese, Eldho	2013	Diallel cross designs for test versus control comparisons	<i>Ind. J. Genet. Plant Breed.</i> 73(2): 186-193	6.19	-
101.	Sud, U.C., Aditya, K., Chandra, H. and Parsad, R.	2013	Two stage sampling with two-phases at the second stage of sampling for estimation of finite population mean under random response mechanism	<i>J. Ind. Soc. Agril. Statist.</i> 67(3): 305-317	5.50	-
102.	Varghese, Cini, Jaggi, Seema and Dwivedi, Lokesh	2013	Designs involving varying temporal environments under factorial treatment structure	<i>Int. J. Ecol. Eco.</i> 28(1): 130-135	-	-
103.	Varghese, Eldho, Jaggi, Seema and Sarika	2013	Response surface model with neighbour effects and correlated observations	<i>Model Assist. Statist. Appln.</i> 8(1): 41-49	-	-
104.	Aditya, K., Sud, U.C. and Chandra, H.	2014	Estimation of domain mean using two stage sampling with sub-sampling of non-respondents	<i>J. Ind. Soc. Agril. Statist.</i> 68(1): 39-54	5.50	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
105.	Basak, P., Chandra, H. and Sud, U.C.	2014	Estimation of finite population total for skewed data	<i>J. Ind. Soc. Agril. Statist.</i> 68(3): 333-341	4.00	-
106.	Basak, P., Chandra, H., Sud, U.C. and Lal, S.B.	2014	Prediction of population total for skewed variable under a log transform model	<i>Int. J. Agric. Statist. Sci.</i> 9(2): 143-154	4.00	-
107.	Bhar, L.M. and Ojha, Sankalpa	2014	Outliers in multi-response experiments	<i>Comm. Statist.-Theory Methods</i> 43(13): 2782-2798	6.27	-
108.	Dash, S., Parsad, R. and Gupta, V.K.	2014	Efficient row-column designs with two rows	<i>J. Ind. Soc. Agril. Statist.</i> 68(3): 377-390	4.00	-
109.	Datta, Anindita, Jaggi, Seema, Varghese, Cini and Varghese, Eldho	2014	Structurally incomplete row-column designs with multiple units per cell	<i>Statist. Appl.</i> 12(1&2): 71-79	-	-
110.	Ghosh, Himadri, Gurung, Bishal and Prajneshu	2014	Kalman filter based modeling and forecasting of stochastic volatility with threshold	<i>J. Appl. Stat.</i> DOI: 10.1080/02664763.2014.963524	6.42	-
111.	Ghosh, Himadri, Gurung, Bishal, and Prajneshu	2014	Fitting EXPAR models through the extended Kalman filter	<i>Sankhya B.</i> DOI:10.1007/s13571-014-0085-8	-	-
112.	Ghosh, Himadri, Sarkar, KA and Prajneshu	2014	Fourier-autoregressive (F-AR) coefficient non-linear time-series model for forecasting asymmetric cyclical data	<i>Ind. J. Anim. Sci.</i> 84(7): 802-806	6.16	-
113.	Kumari, V. and Kumar, A.	2014	Forecasting of wheat ( <i>Triticum aestivum</i> ) yield using ordinal logistic regression	<i>Ind. J. Agric. Sci.</i> 84(6): 691-694	6.14	-
114.	Meher, P.K., Rao, A.R., Wahi, S.D. and Thelma, B.K.	2014	An approach using random forest methodology for disease risk prediction using imbalanced case-control data in GWAS	<i>Current Medicine Res. Prac.</i> 4: 289-294	-	-
115.	Meher, P.K., Sahu, T.K., Rao, A.R. and Wahi, S.D.	2014	A statistical approach for 5' splice site prediction using short sequence motifs and without encoding sequence data	<i>BMC Bioinformatics</i> 15: 362 DOI: 10.1186/s12859-014-0362-6	10.98	-
116.	Meher, P.K., Sahu, T.K., Rao, A.R. and Wahi, S.D.	2014	Determination of window size and identification of suitable method for prediction of donor splice sites in rice ( <i>Oryza sativa</i> ) genome	<i>J. Plant Biochem. Biotech.</i> DOI: 10.1007/s13562-014-0286-2	7.09	-



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117.	Ojha, Sankalpa and Bhar, L.M.	2014	Cook statistic for detecting outliers in block designs with correlated errors	<i>Int. J. Agric. Statist. Sci.</i> 10(2): 503-512	4.00	-
118.	Paul, Manju Mary, Rai, Anil and Kumar, Sanjeev	2014	Classification of cereal proteins related to abiotic stress based on their physiochemical properties using support vector machine	<i>Current Sci.</i> 107(8): 1283-1289	6.93	-
119.	Paul, R.K. and Bhar, L.M.	2014	Robust analysis of experimental data: An application of LMS technique	<i>Int. J. Agric. Statist. Sci.</i> 10(2): 387-392	4.00	-
120.	Ranganath, H.K., Prajneshu and Ghosh, Himadri	2014	Descriptive statistics for symbolic interval-valued data	<i>Ind. J. Agric. Sci.</i> 84: 424-427	6.14	-
121.	Ray, Mrinmoy, V., Ramasubramania, Kumar, Amrender and Rai, Anil	2014	Application of time series intervention modelling for modelling and forecasting cotton yield	<i>J. Soc. Statist. Compu. Appl.</i> 12 (1&2): (New Series), 61-70	-	-
122.	Sadhu, Sandip Kumar, V., Ramasubramanian, Rai, Anil and Kumar, Adarsh	2014	Decision tree based models for classification in agricultural ergonomics	<i>J. Soc. Statist. Compu. Appl.</i> 12(1&2): (New Series), 21-33	5.50	-
123.	Sarkar, R.K., Meher, P.K., Wahi, S.D., Mohapatra, T. and Rao, A.R.	2014	An approach to the development of a core set of germplasm using a mixture of qualitative and quantitative data	<i>Plant Genet. Resour. Character. Utilization</i> 01-08 DOI: 10.1017/S1479262114000732	6.58	-
124.	Shekhar, S., Bhar, L.M. and Gupta, V.K.	2014	Incomplete block designs for multiple asymmetric parallel line assays	<i>Int. J. Computational &amp; Theo. Statist.</i> 1(1): 29-35	-	-
125.	Varghese, Eldho, Jaggi, Seema, and Varghese, Cini	2014	Neighbour balanced row-column designs	<i>Comm. Statist. - Theory Methods</i> 43(6): 1261-1276	6.27	-
126.	Bardhan, S.R., Rao, A.R., Meher, P.K., Marwaha, S., Wahi, S.D.	2015	Identification of a suitable clustering method and allocation strategy for core set development in salt stress tolerant rice ( <i>Oryza sativa</i> ) germplasm	<i>Ind. J. Agril. Sci.</i> 85(12): 1560-1564	6.14	-
127.	Basak, P., Chandra, H., Sud, U.C. and Lal, S.B.	2015	Prediction of population total for skewed variable under a log transform model	<i>Int. J. Agricult. Stat. Sci.</i> 9(1): 143-154	6.14	-



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128.	Bhowmik, A., Jaggi, S., Varghese, C. and Varghese, E.	2015	Optimal block designs with interference effects from neighbouring units under a non-additive model	<i>Comm. Statist. Theo. Methods</i> 44(10): 2092-2103	6.27	-
129.	Bhowmik, A., Jaggi, S., Varghese, C. and Varghese, E.	2015	Trend free block designs balanced for interference effects from neighbouring experimental units	<i>J. Combinatorics, Information and System Sci.</i> 39(1-4): 117-133	-	-
130.	Bhowmik, A., Jaggi, S., Varghese, C. and Varghese, E.	2015	Trend free second order neighbour balanced block designs	<i>J. Ind. Statist. Asso.</i> 53(1&2): 63-78	-	-
131.	Biswas, A., Rai, A., Ahmad, T. and Sahoo, P.M.	2015	Spatial estimation approach under ranked set sampling from spatial correlated finite population	<i>Int. J. Agril. Statist. Sci.</i> 11(2): 551-558	4	-
132.	Datta, A., Jaggi, S., Varghese, C. and Varghese, E.	2015	Some series of row-column designs with multiple units per cell	<i>Cal. Statist. Asso. Bull.</i> 67(265-266): 89-99	-	-
133.	Ghosh H., Prajneshu Samanta S.	2015	Corrigendum: Fitting of self-exciting threshold autoregressive moving average nonlinear time-series model through genetic algorithm and development of out-of-sample forecasts	<i>Statistics.</i> 2014; 48:1166-1184. 49: 1422	6.53	-
134.	Ghosh, H., Chowdhury, S., and Prajneshu	2015	An improved fuzzy time series method of forecasting based on L-R fuzzy sets and its application	<i>J. Appl. Statist.</i> DOI: 10.1080/02664763.2015.1092111	6.42	-
135.	Kumar, A., Varghese, C., Varghese, E. and Jaggi, S.	2015	Irregular Sudoku-type designs for animal experiments	<i>Ind. J. Anim. Sci.</i> 85(9): 1046-1050	6.16	-
136.	Kumar, Arvind, Varghese, Cini, Varghese, Eldho and Jaggi, Seema	2015	On the construction of designs with three-way blocking	<i>Model Assist. Statist. Appl.</i> 10: 43-52	-	-
137.	Lama, A., Jha, G.K., Paul, R.K. and Gurang, B.	2015	Modelling and forecasting of price volatility: An application of GARCH and EGARCH Models	<i>Agril. Eco. Res. Rev.</i> 28(1): 73-82	5.68	-
138.	Nandi, P.K., Parsad, R. and Gupta, V.K.	2015	Simultaneous optimization of incomplete multi-response experiments	<i>Open J. Statist.</i> 5: 430-444 DOI: <a href="http://dx.doi.org/10.4236/ojs.2015.55045">http://dx.doi.org/10.4236/ojs.2015.55045</a>	-	-
139.	Ojha, S. and Bhar, L.M.	2015	Detection of outliers in designed experiments with correlated error	<i>J. Ind. Soc. Agril. Statist.</i> 69(1): 57-63	5.50	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
140.	Raman, R.K., Paul, A.K., Das, S. and Wahi, S.D.	2015	Empirical comparison of the performance of linear discriminant function under multivariate non-normal and normal data	<i>Int. J. Agril. Statist. Sci.</i> 11(2): 403-409	4.00	-
141.	Sarkar, R.K., Meher, P.K., Wahi, S.D., Mohapatra, T. and Rao, A.R.	2015	An approach to the development of a core set of germplasm using a mixture of qualitative and quantitative data	<i>Plant Genetic Resources, Characterization and Utilization</i> 13(2): 96-103	6.58	-
142.	Sarkar, R.K., Rao, A.R., Meher, P.K., Nepolean, T. and Mohapatra, T.	2015	Evaluation of random forest regression for prediction of breeding value from genome-wide SNPs	<i>J. Genet.</i> 94: 187-192 DOI: 10.1007/s12041-015-0501-5	7.09	-
143.	Srivastava, Sudhir, Varghese, Cini, Jaggi, Seema and Varghese, Eldho	2015	Augmented partial diallel cross plans involving two sets of parental lines	<i>Ind. J. Genet. Plant Breed.</i> 75(1): 105-109	6.19	-
144.	Sud, U.C., Aditya, K., and Chandra, H.	2015	District level crop yield estimation under spatial small area model	<i>J. Ind. Soc. Agril. Statist.</i> 69(1): 49-56	5.50	-
145.	Biswas, A., Rai, A., Ahmad, T. and Sahoo, P.M.	2016	Spatial estimation and rescaled spatial bootstrap approach for finite population	<i>Communications in Statistics - Theory and Methods</i> DOI: 10.1080/03610926.2014.995820	6.27	-
146.	Choudhary, R.K., Rao, A.R., Wahi, S.D. and Misra, A.K.	2016	Detection of biennial rhythm and estimation of repeatability in mango ( <i>Mangifera indica</i> L.)	<i>Ind. J. Genet. Plant Breed.</i> 76(1): 88-97	6.19	-
147.	Meher, P.K., Sahu, T.K. and Rao, A.R.	2016	Prediction of donor splice sites using random forest with a new sequence encoding approach	<i>BMC BioData Mining</i> 9(4) DOI: 10.1186/s13040-016-0086-4	-	-
148.	Mohd, H., Varghese, C., Jaggi, S. and Varghese, E.	2016	Triallel cross designs for comparing a set of test lines with a control line	<i>Ind. J. Genet. Plant Breed.</i> 76(1): 84-87	6.19	-
149.	Pradhan, U.K., Lal, K., Dash, S. and Singh, K.N.	2016	Design and Analysis of Mixture Experiments with Process Variable	<i>Communications in Statistics - Theory and Methods</i> DOI: 10.1080/03610926.2014.990104	6.27	-



## Faculty Profile

### Professors

S. No.	Name	Period
1.	Dr. V.K. Sharma	17 January, 2000 to 31 January, 2008
2.	Dr. V.K. Bhatia	1 February, 2008 to 8 June, 2011
3.	Dr. Rajender Parsad	9 June, 2011 to 22 July, 2014
4.	Dr. Seema Jaggi	23 July, 2014 continuing

### (i) Heads

S. No.	Name	Period
1.	Dr. S.D. Sharma	October 1997 to August 2008
2.	Dr. V.K. Bhatia	August 2008 to February 2013
3.	Dr. U.C. Sud	March 2013 continuing

### (ii) Faculty Members

S. No.	Name of the Faculty	Qualification	Specialization	h-index	i10-index
1.	Dr. U.C. Sud	Ph.D.	Sample Survey		
2.	Dr. Seema Jaggi	Ph.D.	Design of Experiments	10	10
3.	Dr. Anil Rai	Ph.D.	Sample Survey, Geoinformatics	8	5
4.	Dr. K.N. Singh	Ph.D.	Statistical Modelling, Forecasting	8	-
5.	Dr. L.M. Bhar	Ph.D.	Statistical Genetics, Statistical Modelling	6	-
6.	Dr. Tauqueer Ahmad	Ph.D.	Sample Survey	4	-
7.	Dr. Rajender Parsad	Ph.D.	Design of Experiments	12	21
8.	Dr. A.K. Paul	Ph.D.	Statistical Genetics	3	
9.	Dr. A.R. Rao	Ph.D.	Statistical Genetics	9	9
10.	Dr. G.K. Jha	Ph.D.	Statistical Modelling, Forecasting	7	4
11.	Dr. Cini Varghese	Ph.D.	Design of Experiments	6	-
12.	Dr. Himadri Ghosh	Ph.D.	Statistical Modelling, Forecasting	2	-
13.	Dr. Ajit	Ph.D.	Statistical Modelling	2	-
14.	Dr. Anil Kumar	Ph.D.	Design of Experiments	4	-
15.	Dr. Prawin Arya	Ph.D.	Statistical Modelling, Forecasting	3	-
16.	Dr. Hukum Chandra	Ph.D.	Sample Survey	13	13



S. No.	Name of the Faculty	Qualification	Specialization	h-index	i10-index
17.	Dr. Prachi Misra Sahoo	Ph.D.	Sample Survey, Geoinformatics	4	-
18.	Dr. Amrender Kumar	Ph.D.	Statistical Modelling, Forecasting	-	-
19.	Md. Wasi Alam	M.Sc.	Statistical Modelling, Forecasting	-	-
20.	Dr. R.K. Paul	Ph.D.	Statistical Modelling, Forecasting	8	8
21.	Dr. Mir Asif Iquebal	Ph.D.	Statistical Modelling, Forecasting	6	2
22.	Dr. B.N. Mandal	Ph.D.	Design of Experiments	4	3
23.	Dr. S.K. Sarkar	Ph.D.	Design of Experiments	5	
24.	Dr. Eldho Varghese	Ph.D.	Design of Experiments	6	2
25.	Dr. Kaustav Aditya	Ph.D.	Sample Survey	2	-
26.	Dr. Bishal Gurung	Ph.D.	Statistical Modelling, Forecasting	2	-
27.	Dr. Sukanta Dash	Ph.D.	Design of Experiments	-	-
28.	Dr. Arpan Bhowmik	Ph.D.	Design of Experiments	1	-
29.	Dr. Ankur Biswas	Ph.D.	Sample Survey	1	-
30.	Sh. Kanchan Sinha	M.Sc.	Statistical Modelling, Forecasting	-	-
31.	Dr. Anindita Datta	Ph.D.	Design of Experiments	-	-

### Faculty Members Superannuated during this Period

S. No.	Name	Qualification	Specialization
1.	Dr. V.K. Bhatia	Ph.D.	Statistical Genetics
2.	Dr. V.K. Gupta	Ph.D.	Design of Experiments, Sample Survey
3.	Dr. V.K. Sharma	Ph.D.	Design of Experiments, Statistical Modelling
4.	Dr. Prajneshu	Ph.D.	Statistical Modelling, Forecasting
5.	Dr. R. Srivastava		Design of Experiments
6.	Dr. V.T. Prabhakaran	Ph.D.	Statistical Genetics
7.	Sh. S.D. Wahi	M.Sc.	Statistical Genetics
8.	Dr. Ranjana Agarwal	Ph.D.	Statistical Modelling, Forecasting
9.	Dr. H.V.L. Bathla	Ph.D.	Sample Survey
10.	Dr. K.K. Tyagi	Ph.D.	Sample Survey
11.	Dr. Chandrahas	Ph.D.	Statistical Modelling, Forecasting
12.	Dr. P.K. Batra	Ph.D.	Design of Experiments



S. No.	Name	Qualification	Specialization
13.	Dr. Jagbir Singh	Ph.D.	Sample Survey
14.	Dr. Alope Lahiri	Ph.D.	Design of Experiments
15.	Mrs. Asha Saksena	M.Sc.	Design of Experiments
16.	Dr. R.L. Sapra	Ph.D.	Statistical Genetics
17.	Dr. Krishan Lal	Ph.D.	Design of Experiments

#### Faculty Members Transferred from IASRI during this Period

S. No.	Name	Qualification	Specialization
1.	Dr. Amit Kumar Vasisht	Ph.D.	Econometrics, Statistical Modelling
2.	Dr. Ramasubramanian V.	Ph.D.	Statistical Modelling, Forecasting
3.	Dr. Sanjeev Panwar	Ph.D.	Statistical Modelling, Forecasting
4.	Dr. N. Okendro Singh	Ph.D.	Statistical Modelling, Forecasting
5.	Dr. Yogita Gharde	Ph.D.	Sample Survey





# Bioinformatics

A.R. Rao

## Students Awarded Degree

S. No.	Year	Name of Student	Thesis Title	Chairperson	Award
<b>M.Sc. Students</b>					
1.	2013	Priya Prabhakar	In Silico Study of Host-Pathogen Interaction under Mutation Effect on Blast Resistance Genes in Rice	Anil Rai	-
2.	2013	Amit Kairi	Development of Information System on Buffalo Genome	A.R. Rao	-
3.	2013	Chiranjib Sarkar	Understanding of protein structure of different Pi54 alleles and their in silico interactions with Avr-Pi54 protein	T.R. Sharma	-
4.	2014	Sayanti Guha Mazumdar	Development of Epigenetic Database in Livestock Species	A.R. Rao	-
5.	2014	Purru Supriya	Assembly, Annotation, Functional Classification of Transcriptomes and identification of Key Genes for Moisture Stress Tolerance in <i>Cucumis melo</i>	K.V. Bhat	Nehru Memorial Gold Medal, ICAR-IASRI
6.	2014	Neeraj Budhlakoti	Web Application for Classification of Proteins Responsible for Abiotic Stress in Cereals	Anil Rai	-
7.	2014	Saket Kumar Karn	Strengthening and Enhancing Microbial Taxonomy Ontology	Sudeep Marwah	-
8.	2015	Arfa Anjum	Mixture Distribution Models for Differential Gene Expression Analysis	Seema Jaggi	-
9.	2015	Asif Khan	Development of Crop Wild Relatives Resources (CWR) Database for <i>Vigna</i> and <i>Phaseolus</i> Species	Sunil Archak	Nehru Memorial Gold Medal, ICAR-IASRI
10.	2015	Priyanka Guha Mazumdar	Codon Usage Bias Based Comparative Genome Analysis of <i>Rhizobium</i> Species	Md. Samir Farooqi	-
11.	2015	Animesh Kumar	Prediction of miRNA Related to Late Blight Disease of Potato	Md. Samir Farooqi	-



S. No.	Year	Name of Student	Thesis Title	Chairperson	Award
12	2016	Soumya Sharma	Identification and characterization of Enhanced Disease Susceptibility1 (EDS1) in <i>Solanum melongena</i> using in silico analysis	Sunil Archak	-
13	2016	Nalinikant Choudhary	An in-silico study on synteny between cattle and buffalo genomes	Sudeep Marwah	-
14	2016	Anubhav Roy	Study on Change – points in Genomic Sequences	Seema Jaggi	-
15	2016	Bulbul Ahmad	Development of transcriptome signature of different stages of Lac insect ( <i>Kerria lacca</i> )	Mir Asif Iquebal	-
16	2016	Sandip Verma	Deciphering genes associated with root wilt by RNA-Seq approach in coconut ( <i>Cocos nucifera</i> )	Mir Asif Iquebal	-

### Trainings/Winter/Summer School/Workshop Organized

S. No.	Year	Name of Training	Number of Trainees	Name(s) of the Course Director and Co-ordinator
1.	2011	Statistical and Computational Genomics Data Analysis	26	A.R. Rao
2.	2011	Bioinformatics Resources and Tools for Agricultural Research	17	S.B. Lal
3.	2011	Bioinformatics in Agriculture	24	S.B. Lal
4.	2011	High Performance Bio-Computing and Drug Design in association with SCFBIO, IIT, New Delhi during 12- 22 September, 2011	20	Sanjeev Kumar and Shashank Shekhar (SCFBIO, IITD)
5.	2012	Recent Advances in Statistical and Computational Genomics Data Analysis	19	A.R. Rao
6.	2012	Recent Advances on Quantitative Genetics and Statistical Genomics	25	A.R. Rao
7.	2013	Statistical Approaches for Genomic Data Analysis	19	Seema Jaggi and Sarika
8.	2014	Computational and Statistical Advances in Bioinformatics for omics Data	23	S.B. Lal, K.K. Chatruvedi, Sanjeev Kumar
9.	2014	Computational Aspect for NGS Data Analysis: A sojourn form Lab to Field at Ome research facility under NABG	20	Dinesh Kumar, Mir Asif Iquebal, C.G. Joshi (Anand, AAU)
10.	2014	Basic Training in Discovery Studio	20	M.A. Iquebal and Sarika
11.	2014	High Performance Computing	20	K.K. Chaturvedi
12.	2014	Oracle Database	16	K.K. Chatruvedi
13.	2014	Advanced Training in Discovery Studio	20	Mir Asif Iquebal



S. No.	Year	Name of Training	Number of Trainees	Name(s) of the Course Director and Co-ordinator
14.	2014	Advances in Omics Data Analysis: Learning by examples	22	Sanjeev Kumar, S.B. Lal, D.C. Mishra
15.	2014	Advanced Analytical Techniques in Bioinformatics	18	A.R. Rao, S.D. Wahi, Sudeep Marwah, P.K. Meher
16.	2015	Advance Training on Discovery Studio	20	Sarika and M.A. Iquebal
17.	2015	Bioinformatics and High Dimensional Genome Data Analysis	20	A.R. Rao and P.K. Meher
18.	2016	Training on Recent advances in Next Generation Sequencing Data Analysis	19	Monendra Grover
19.	2016	Computational Tools and Techniques for Molecular Data Analysis in Agriculture	23	Dinesh Kumar and Sarika
20.	2016	Advance Computational and Statistical Tools for Omics Data Analysis		S.B. Lal and K.K. Chaturvedi
21.	2016	Recent Advances in Next Generation Sequencing on Data Analysis	19	M. Grover and D.C. Mishra
22.	2016	Introduction to Bioinformatics	14	M. Grover and D.C. Mishra

#### Training/Visit Received by the Faculty Members Outside the Country

S. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution/Country
1.	2013	Sarika	Bioinformatics	3 months	IOWA State University, USA
2.	2013	MA Iquebal	Bioinformatics	3 months	IOWA State University, USA
3.	2010	Anu Sharma	Bioinformatics	3 months	IOWA State University, USA
4.	2010	S.B. Lal	Bioinformatics	3 months	IOWA State University, USA
5.	2014	K.K. Chaturvedi	Bioinformatics	68 days	Cornell University, Ithaca, USA
6.	2013	Md. Samir Farooqi	Bioinformatics	3 months	IOWA State University, USA
7.	2013	Dwijesh Chandra Mishra	Computational Biology	91 days	University of Louisville, Louisville, KY, USA

#### Awards Conferred on Faculty Members

S. No.	Year	Name of the Faculty Member	Name of the Award Received	Institution which gave the Award
1.	2016	A.R. Rao	Fellow, NAAS	National Academy of Agricultural Sciences
2.	2016	A.R. Rao	Fellow, ISGPB	Indian Society of Genetics and Plant Breeding
3.	2016	A.R. Rao	Fellow, SAB	Society for Applied Biotechnology
4.	2016	A.R. Rao	P.V. Sukhatme Gold Medal	Indian Society of Agricultural Statistics



S. No.	Year	Name of the Faculty Member	Name of the Award Received	Institution which gave the Award
5.	2016	A.R. Rao	1 <sup>st</sup> Best Poster	International Conference on Statistics and Big Data Bioinformatics in Agricultural Research, ICRISAT
6.	2016	Sarika and M.A. Iquebal	3 <sup>rd</sup> Best Poster	2 <sup>nd</sup> International Symposium on Genomics in Aquaculture, ICAR-CIFA, Bhubaneswar
7.	2016	M.A. Iquebal	Young Scientist	Society for Application of Statistics in Agriculture and Allied Sciences (SASAA)
8.	2016	M.A. Iquebal	SESR Computational Biologist 2016	Society for Educational and Scientific Research
9.	2015	Seema Jaggi	INSA Teachers Award	Indian National Science Academy (INSA)
10.	2015	Sarika Jaiswal, M.A. Iquebal, Anil Rai	Best Paper	International Symposium on New Perspectives in Modern Biotechnology, Society for Applied Biotechnology
11.	2015	M.A. Iquebal, Sarika Jaiswal, Anil Rai	Best Paper	International Symposium on New Perspectives in Modern Biotechnology, Society for Applied Biotechnology
12.	2015	Sarika	Distinguished Scientist Award and Team Award	Society for Bioinformatics and Biological Sciences
13.	2015	M.A. Iquebal	Young Scientist Award and Team Award	Society for Bioinformatics and Biological Sciences
14.	2014	Seema Jaggi	Bharat Ratna Dr. C. Subramaniam Award for Outstanding Teachers	Indian Council of Agricultural Research (ICAR)
15.	2014	M.A. Iquebal, Sarika, U.B. Angadi and Anil Rai	1st Poster Presentation	National Conference on “Converging Technologies Beyond 2020 (2CTB-2010)”, UIET, Kurukshetra University
16.	2013	Sarika, M.A. Iquebal, and Anil Rai	2nd Prize for Hindi Research Poster	IASRI, New Delhi
17.	2012	M.A. Iquebal, Sarika, Anil Rai	1 <sup>st</sup> Best Research Paper	National Conference on “NextGen Biotechnology: Amalgamating Science and Technology”, UIET, Kurukshetra University

### Faculty Participation in International Conference/Seminar/Assignments

S. No.	Year	Name of the Faculty Member	Name of the International Conference	Duration	Place Visited
1.	2016	A.R. Rao	International Conference on Statistics and Big Data Bioinformatics in Agricultural Research	21-23 November, 2016	ICRISAT, Hyderabad



S. No.	Year	Name of the Faculty Member	Name of the International Conference	Duration	Place Visited
2.	2016	A.R. Rao	International Conference on Bioinformatics and Systems Biology	4-6 March, 2016	Allahabad
3.	2016	M.A. Iquebal	2 <sup>nd</sup> International Symposium on Genomics in Aquaculture organized	28-30 January, 2016	ICAR-Central Institute of Freshwater Aquaculture, Bhubaneswar
4.	2016	Sarika	International Conference on Innovative Research in Biotechnology, Biomedical Sciences, Bioinformatics and Stem Cell Applications	30 January, 2016	JNU, New Delhi
5.	2016	M.A. Iquebal	International Conference on Green Technology for Health and Environment: Implementations and Policies	15-16 December, 2016	Bengaluru
6.	2016	Sarika	International Conference on Innovative Research in Biomedical Engineering, Cancer Biology, Stem Cells, Bioinformatics and Applied Biotechnology (BECBAB-2016)	20 November, 2016	Jawaharlal Nehru University, New Delhi
7.	2015	Anu Sharma	9th INDIACOM 2015 2nd International Conference on Computing for Sustainable Global Development	11-13 March, 2015	New Delhi
8.	2015	Anu Sharma	International Conference on Recent Trends in Computer and Information Technology Research	25-26 September, 2015	BSAITM, Faridabad
9.	2014	Sarika	International Conference on Agriculture, Forestry, Horticulture, Aquaculture, Animal Sciences, Food Technology, Biodiversity and Climate Change Sustainable Approaches (AFHAFBC-2014)	30-31 August, 2014	Jawaharlal Nehru University, New Delhi
10.	2014	M.A. Iquebal	International Conference and XI Convention of The Biotech Research Society, India, on Emerging Trends in Biotechnology (ICETB-2014)	6-9 November, 2014	JNU, New Delhi
11.	2013	A.R. Rao	3rd IFIP International Conference on Bioinformatics	23-26 Sept. 2013	Bhopal
12.	2013	Anu Sharma	International Conference on Advancements in Computing Sciences, Information Techniques and Emerging E-Learning Technologies	5-6 October, 2013	JNU, New Delhi
13.	2013	Dwijesh Chandra Mishra	International Conference on "Bio-resource and Stress Management (BSM)"	7-10 January, 2015	Kolkata



S. No.	Year	Name of the Faculty Member	Name of the International Conference	Duration	Place Visited
14.	2013	M.A. Iquebal and Sarika	International workshop entitled “A genomics Revolution: The enabling Power of Fluidigm Microfluidics for Gene Expression, SNP Genotyping, Digital PCR and Single-Cell Genomics”	3 December, 2013	Iowa State University, Iowa, Ames, USA
15.	2012	A.R. Rao	VI International Conference on Legume Genetics and Genomics	2-7 October, 2012	Hyderabad
16.	2012	A.R. Rao	International Conference on Recent Perspectives in Macromolecular Structures and their Functions at Central Agricultural Research Institute	27-28 January, 2012	Andaman and Nicobar Islands
17.	2012	Anu Sharma	5th IFIP World IT Forum 2012 (WITFOR 2012)	16-18 April, 2012	New Delhi
18.	2012	Anu Sharma	International Conference on Statistics and Informatics in Agricultural Research	18-20 December, 2012	New Delhi
19.	2012	Anu Sharma	International Conference on Plant Biotechnology for food security: New Frontiers	21-24 February, 2012	New Delhi
20.	2012	Dwijesh Chandra Mishra	International Conference on Statistics and Informatics in Agricultural Research (ICSI 2012)	18-20 December, 2012	New Delhi
21.	2012	Dwijesh Chandra Mishra	5th IFIP World IT Forum 2012 (WITFOR 2012)	16-18 April, 2012	New Delhi
22.	2012	M.A. Iquebal and Sarika	International conference on Statistics and Informatics in Agricultural Research	18-20 December, 2012	Indian Society of Agricultural Statistics, ICAR-IASRI, New Delhi
23.	2012	Sarika	International Conference on Plant Biotechnology for food security: New Frontiers 2012	21-24 February, 2012	NRCPB, New Delhi

### Research Publications of Faculty Members

S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
1.	Badoni, S., Das, S., Sayal, Y.K., Gopalakrishnan, S., Singh, A.K., Rao, A.R., Agarwal, P., Parida, S.K. and Tyagi, A.K.	2016	Genome-wide generation and use of informative intron-spanning and intron-length polymorphism markers for high-throughput genetic analysis in rice	<i>Scientific Reports</i> 6: 237-265	11.58	2



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
2.	Kumar, S., Ambreen, H., Variath, M.T., Rao, A. R., Agarwal, M., Kumar, A., Goel, S. and Jagannath, A.	2016	Utilization of molecular, phenotypic and geographical diversity to develop compact composite core collection in the oilseed crop, Safflower ( <i>Carthamus tinctorius</i> L.) through maximization strategy	<i>Frontiers in Plant Science: Crop Science and Horticulture</i> 7: 1554	10.49	-
3.	Srivastava, R., Bajaj, D., Sayal, Y.K., Meher, P.K., Upadhyaya, H.D., Kumar, R., Tripathi, S., Bharadwaj, C., Rao, A.R. and Parida, S.K.	2016	Genome-wide development and deployment of informative intron-spanning and intron-length polymorphism markers for genomics-assisted breeding applications in chickpea	<i>Plant Science</i> 252: 374-387	9.61	-
4	Jaiswal, V., Gahlaut, V., Meher, P.K., Mir, R.R., Jaiswal, J.P., Rao, A.R., Balyan, H.S. and Gupta, P.K.	2016	Genome Wide Single Locus Single Trait, Multi-Locus and Multi-Trait Association Mapping for Some Important Agronomic Traits in Common Wheat ( <i>T. aestivum</i> L.)	<i>PLoS One</i> 11(7): e0159343	9.23	-
5.	Tiwari, S., Krishnamurthy, S.L., Kumar, V., Singh, B., Rao, A.R., Mithra, S.V.A., Rai, V., Singh, A.K. and Singh, N.K.	2016	Mapping QTLs for Salt Tolerance in Rice ( <i>Oryza sativa</i> L.) by Bulked Segregant Analysis of Recombinant Inbred Lines Using 50K SNP Chip., 11:4, DOI: 10.1371/journal.pone.0153610	<i>PLoS One</i> 11(4): e0153610	9.23	4
6.	Meher, P.K., Sahu, T.K. and Rao, A.R.	2016	Identification of species based on DNA barcode using k-mer feature vector and Random forest classifier	<i>Gene</i> 592(2): 316-324	8.14	-
7.	Meher, P.K., Sahu, T.K., Rao, A.R. and Wahi, S.D.	2016	A computational approach for prediction of donor splice sites with improved accuracy	<i>Journal of Theoretical Biology</i> 404: 285-294	8.12	-
8.	Meher, P.K., Sahu, T.K., Rao, A.R. and Wahi, S.D.	2016	Discriminating coding from non-coding regions based on codon structure and methylation-mediated substitution: An application in rice and cattle	<i>Computers and Electronics in Agriculture</i> 129: 66-73	7.76	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
9.	Meher, P.K., Sahu, T.K. and Rao, A.R.	2016	Prediction of donor splice sites using random forest with a new sequence encoding approach	<i>Bio-Data Mining</i> 9: 4	7.64	-
10.	Meher, P.K., Sahu, T.K., Rao, A.R. and Wahi, S.D.	2016	Identification of donor splice sites using support vector machine: a computational approach based on positional, compositional and dependency features	<i>Algorithms for Molecular Biology</i> 11:6	7.44	-
11.	Gupta, S., Singh, Y., Kumar, H., Raj, U., Rao, A.R. and Varadwaj, P.K.	2016	Identification of novel abiotic stress proteins in <i>Triticum aestivum</i> through functional annotation of hypothetical proteins	<i>Interdisciplinary Sciences: Computational Life Sciences</i> DOI: 10.1007/s12539-016-0178-3	6.66	-
12.	Behera, T.K., Rao, A. R., Amarnath, R. and Kumar, R.R.	2016	Comparative transcriptome analysis of female and hermaphrodite flower buds in bitter melon ( <i>Momordica charantia</i> L.) by RNA sequencing	<i>The Journal of Horticultural Science and Biotechnology</i> 91(3): 250-257	6.54	-
13.	Meher, P.K., Sahu, T.K. and Rao, A.R.	2016	Performance evaluation of neural network, support vector machine and random forest for prediction of donor splice sites in rice	<i>Ind. J. Genet.</i> 76(2): 173-180	6.19	-
14.	Mallikarjuna, M.G., Nepolean, T., Mittal, S., Hossain, F., Bhat, J.S., Manjaiah, K.M., Marla, S., Mithra, A.C.R., Agrawal, P.K., Rao, A.R. and Gupta, H.S.	2016	In-silico characterisation and comparative mapping of yellow stripe like transporters in five grass species	<i>The Indian Journal of Agricultural Sciences</i> 86(5): 621-627	6.14	-
15.	Kumar, M., Sarangi, A., Singh, D.K., Rao, A.R. and Sudhishri, S.	2016	Response of wheat cultivars to foliar potassium fertilization under irrigated saline environment	<i>Journal of Applied and Natural Science</i> 8(1): 429-436	5.08	-
16.	Ganeshan, P., Jain, A., Parmar, B., Rao, A.R., Sreenu, K., Mishra, P., Mesapogu, S., Subrahmanyam, D., Ram, T., Sarla, N. and Rai, V.	2016	Identification of salt tolerant rice lines among interspecific BILs developed by crossing <i>Oryza sativa</i> × <i>O. rufipogon</i> and <i>O. sativa</i> × <i>O. nivara</i>	<i>Australian Journal of Crop Science</i> 10(2): 220-228	4.00	-





S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
17.	Chandel, G., Dubey, M., Rao, A.R., Gupta, S. and Patil, A.	2016	Identification and characterization of rice ortholog of ferric chelate reductase (FRO2) gene in little millet ( <i>Panicum sumatrense</i> )	<i>Indian Journal of Biotechnology</i> 15(3): 433-436	6.39	-
18.	Kaur, S., Iquebal, M.A., Jaiswal, Sarika, Tandon, G., Sundaram, R.M., Gautam, R.K., Suresh, K.P., Rai, A. and Kumar, D.	2016	A meta-analysis of potential candidate genes associated with salinity stress tolerance in rice	<i>Agrigene</i> 1: 126-134	-	-
19.	Shukla, S., Iquebal, M.A., Jaiswal, S., Angadi, U.B., Fatma, S., Kumar, N., Jasrotia, R.S., Fatima, Y., Rai, A. and Kumar, D.	2016	The Onion Genomic Resource: A Genomics and Bioinformatics driven resource for onion breeding	<i>Plant Gene</i> 8: 9-15	-	-
20.	Goswami, S., Ranjeet R.K., Dubey K., Singh, J.P., Tiwari, A.K., Smita S., Mishra D.C., Kumar, S., Grover, M., Padaria, J.C., Kala, K.Y., Singh, G.P., Pathak, H., Chinnusamy, V., Rai, A., Praveen S. and Rai. R.D.	2016	SSH analysis of endosperm transcripts and characterization of heat stress regulated expressed sequence tags in bread wheat	<i>Frontiers in Plant Science</i> 7: 1230	10.49	-
21.	Vats, G., Grover, M., Singh, A., Chandra, N., Pandey N. and Rai, A.	2016	Role of palmitoylation and nitration in modification of large number of proteins associated with drought stress in plants	<i>Agrica</i> 5: 59-62	-	-
22.	Farooqi, M.D., Mishra, D.C., Rai, N., Singh, D.P., Rai, A., Chaturvedi, K.K., Prabha, R. and Kaur, M.	2016	Genome-wide relative analysis of codon usage bias and codon context pattern in the bacteria <i>Salinibacter ruber</i> , <i>Chromohalobacter salexigens</i> and <i>Rhizobium etli</i>	<i>Biochemistry and Analytical Biochemistry</i> 5: 257	-	-
23.	Grover, M., Pandey, N. and Rai, A.	2016	First report on Quantum Computational Logic in Biological Networks	<i>International Journal of Innovative Research in Technology &amp; Science</i> 4: 22-24	-	-
24.	Jaiswal, S., Dhanda, S.K., Iquebal, M.A., Arora, V., Shah, T.M., Angadi, U.B., Joshi, C.G., Rahgava, G.P.S., Rai, A. and Kumar, D.	2016	BIS-CATTLE: A Web Server for Breed Identification using Microsatellite DNA Markers	<i>American Journal of Bioinformatics</i> 5(1): 10-17	-	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
25.	Bhati, J., Chaduvula, K, Rai, A., Kishore, G., Marla, S.M. and Kumar, S.	2016	In-Silico Prediction and Functional Analysis of Salt Stress Responsive Genes in Rice ( <i>Oryza sativa</i> )	<i>J. Rice Res.</i> 4: 1	3.22	-
26.	Singh, B.K., Mishra, D.C., Yadav, S., Ambawat, S., Vaidya, E., Tribhuvan, K.U., Kumar, A., Kumar, S., Kumar, S., Chaturvedi, K.K., Rani, R., Yadav, P., Rai, A., Rai, P.K., Singh, V.V. and Singh, D.	2016	Identification, characterization, validation and cross-species amplification of genic-SSRs in Indian Mustard ( <i>Brassica juncea</i> )	<i>Journal of Plant Biochemistry and Biotechnology</i> 25(4): 410-420	7.35	-
27.	Patil, V.U., Vanishree, G., Hegde, V., Chaturvedi, K.K. and Chakrabarti, S.K.	2016	Computational Analysis of Short Tandem Repeat STR Markers from Genome Wide Expression Regions of Sugar Beet ( <i>Beeta vulgaris</i> )	<i>Journal of Applied Bioinformatics and Computational Biology</i> 5: 2 DOI: 10.4172/2329-9533.1000125	-	-
28.	Patil, V.U., Vanishree, G., Kardile, H.B., Jindal, V., Dutta, S.K., Chaturvedi, K.K. and Chakrabarti, S.K.	2016	In Silico Analysis of Genome wide microsatellite DNA marker in Coffee <i>Coffea arabica</i> L.	<i>International Journal of Computational Bioinformatics and In Silico Modeling</i> 53: 815-818	-	-
29.	Singh, A. and Sharma, A.	2016	Evaluation of a Secured Interface for Intelligent Recommendations for Web Personalization	<i>International Journal of Computing</i> 62: 64-69	-	-
30.	Sharma, A., Al-khwaldeh, A.T. and Singh, A.,	2016	ABSEP3S- An Agent based Security Engine for Privacy Preserving in Personalized Search	<i>International Journal of Computing Academic Research IJCAR</i> 53: 170-176	-	-
31.	Srivastava, S., Lal, S. B., Mishra, D.C., Angadi, U.B., Chaturvedi, K.K., Rai, S.N. and Rai, A.	2016	An efficient algorithm for protein structure comparison using elastic shape analysis	<i>Algorithms for Molecular Biology</i> 11: 27	-	-
32.	Biswas, A., Rai, A., Ahmad, T. and Sahoo, P.M.	2016	Spatial Estimation and Rescaled Spatial Bootstrap Approach for Finite Population	<i>Communications in Statistics - Theory and Methods</i> 46(1): 373-388	-	-
33.	Anjum, A., Jaggi, S., Varghese, E., Lall, S., Bhowmik, A. and Rai, A.	2016	Identification of Differentially Expressed Genes in RNA-seq Data of <i>Arabidopsis thaliana</i> : A Compound Distribution Approach	<i>Journal of Computational Biology</i> 23(4): 239-247	-	-



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34.	M. Grover., Pandey, N. and Rai, A.	2016	First report on Quantum Computational Logic in Biological Networks	<i>International Journal of Innovative Research in Technology and Science</i> 4: 22-24	-	-
35.	Sharma, P., Tiwari, R., Saharan, M. S., Sharma, I., Kumar, J., Mishra, S., Jaiswal, S., Iquebal, M.A. and Angadi, U.B.	2016	Draft Genome Sequence of the Karnal Bunt fungus, <i>Tilletia indica</i> Mitra: Two monosporidial lines (PSWKBGH-1 and 2)	<i>Genome Announcement</i> 4(5): e00928-16	-	-
36.	Kumar, S., Mishra, D. C., Bansal, R., Kumari, J. and Kumar, S.	2016	Molecular characterization of Indian wheat germplasm lines for stay green and other heat tolerance genes using linked SSR markers	<i>Biotech Today: An International Journal of Biological Sciences</i> 6(1): 90-94	-	-
37.	Chaturvedi, V., Kumar, A., Mishra, I.M., Singh, J.K., Sahoo, R.N., Jha, G.K. and Lal, S.B.	2016	Study on interventions to reduce vibration transmission to power tiller operator	<i>Journal of Applied and Natural Science</i> 81: 265-272	-	-
38.	Kumar, V., Singh, A., Mithra, S.V.A., Krishnamurthy, S.L., Parida, S.K., Jain, S., Tiwari, K.K., Kumar, P., Rao, A.R., Sharma, S.K., Khurana, J.P., Singh, N.K. and Mohapatra, T.	2015	Genome-wide association mapping of salinity tolerance in rice ( <i>Oryza sativa</i> )	<i>DNA Research</i> 22(2): 133-145	11.48	36
39.	Gupta, S., Rao, A.R., Varadwaj, P.K., De, S. and Mohapatra, T.	2015	Extrapolation of inter domain communications and substrate binding cavity of Camel HSP70 1A: A molecular modeling and dynamics simulation study	<i>PLoS One</i> 10(8): e0136630	9.23	1
40.	Gupta, S., Jadaun, A., Kumar, H., Raj, U., Varadwaj, P.K. and Rao, A.R.	2015	Exploration of new drug like inhibitors or serine / threonine protein phosphatase 5 of <i>Plasmodium falciparum</i> : A docking and simulation study	<i>Journal of Biomolecular Structure and Dynamics</i> 33(11): 2421-41	8.92	10
41.	Tiwari, K.K., Singh, A., Pattnaik, S., Sandhu, M., Kaur, S., Jain, S., Tiwari, S., Mehrotra, S., Anumalla, M., Samal, R. and Bhardwaj, J.	2015	Identification of a diverse mini-core panel of Indian rice germplasm based on genotyping using microsatellite markers	<i>Plant Breeding</i> 134(2): 164-171	7.60	4



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42.	Behera, B.K., Baisvar, V.S., Kumari, K., Rout, A.K., Pakrashi, S., Paria, P., Rao, A.R. and Rai, A.	2015	The complete mitochondrial genome of the <i>Anabas testudineus</i> (Perciformes, Anabantidae) and its comparison with other related fish species	<i>Mitochondrial DNA</i> http://dx.doi.org/10.3109/19401736.2015.1115490	7.21	-
43.	Sarkar, R.K., Rao, A. R., Meher, P.K., Nepolean, T. and Mohapatra, T.	2015	Evaluation of Random Forest regression for prediction of breeding value from genome-wide SNPs	<i>Journal of Genetics</i> 94: 187-192	7.09	-
44.	Meher, P.K., Sahu, T.K., Rao, A.R. and Wahi, S.D.	2015	Determination of window size and identification of suitable method for prediction of donor splice sites in rice ( <i>Oryza sativa</i> ) genome	<i>Journal of Plant Biochemistry and Biotechnology</i> 24(4): 385-392	7.09	-
45.	Sahu, T.K., Rao, A.R., Meher, P.K., Sahoo, B.C., Gupta, S. and Anil Rai	2015	Computational prediction of MHC Class I epitopes for major viral diseases in Cattle	<i>Indian Journal of Biochemistry and Biophysics</i> 52: 34-44	6.87	-
46.	Sarkar, R.K., Meher, P.K., Wahi, S.D., Mohapatra, T. and Rao, A.R.	2015	An approach to the development of a core set of germplasm using a mixture of qualitative and quantitative data	<i>Plant Genetic Resources, Characterization and Utilization</i> 13(2): 96-103	6.58	4
47.	Bardhan, S.R., Rao, A.R., Meher, P.K., Marwaha, S. and Wahi, S.D.	2015	Identification of a suitable clustering method and allocation strategy for core set development in salt stress tolerant rice germplasm	<i>Indian Journal of Agricultural Sciences</i> 85(12): 1560-1564	6.14	-
48.	Mishra, S., Behera, T.K., Munshi, A.D., Bharadwaj, C. and Rao, A.R.	2015	Inheritance of gynoecism and genetics of yield and yield contributing traits through generation mean analysis in bitter melon	<i>Indian Journal of Horticulture</i> 72(2): 218-222	6.13	-
49.	Maibam, A., Tyagi, A., Satheesh, V., Mahato, A.K., Jain, N., Raje, R.S., Rao, A.R., Gaikwad, K. and Singh, N.K.	2015	Genome-wide identification and characterization of heat shock factor genes from pigeonpea ( <i>Cajanus cajan</i> )	<i>Molecular Plant Breeding</i> 6(7): 1-11	-	-
50.	Behera, B.K., Das, P., Maharana, J., Paria, P., Mandal, S., Meena, D., Sharma, A., Jayarajan, R., Dixit, V., Verma, A., Vellarikkal, S., Scaria, V., Sivasubbu, S., Rao, A. R. and Mohapatra, T.	2015	Draft Genome Sequence of the extremely halophilic Bacterium <i>Halomonas salina</i> sp. Strain CIFRI1 isolated from East Coast of India	<i>Genome Announcements</i> 3(1): e01321-14	-	-



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51.	Kumar, R.R., Goswami, S., Sharma, Sushil, K., Kala, Y.K., Rai, G.K., Mishra, D.C., Grover, M., Singh, G.P., Pathak, H., Rai, A., Chinnusamy V. and Rai, R.D.	2015	Harnessing Next Generation Sequencing in Climate Change: RNA-Seq Analysis of Heat Stress-Responsive Genes in Wheat ( <i>Triticum aestivum</i> L.)	<i>Omics: a Journal of Integrative Biology</i> 19(10): 632-647	8.90	-
52.	Mandadi, N., Hendrickson, C., Handanahal, S., Rajappa, T., Pai, N., Javeed, S., Rai A. and Dhingra, A.	2015	Genome sequences of <i>Photorhabdus luminescens</i> strains isolated from entomopathogenic nematodes from southern India	<i>Genomics Data</i> 6: 46-47	-	-
53.	Nigam, D., Kadimi, P. K., Kumar, S., Mishra, D. C. and Rai, A	2015	Computational analysis of miRNA-targets Community Network reveals cross talk among different metabolism	<i>Genomics Data</i> 5: 292-296	-	-
54.	Chaduvula, P.K., Bhati, J., Rai, A., Gaikwad, K., Marla, S.S., Elangovan, M. and Kumar, S	2015	<i>In silico</i> expressed sequence tag analysis in identification and characterization of salinity stress responsible genes in <i>Sorghum bicolor</i>	<i>Australian Journal of Crop Sciences</i> 9(9): 799-806	-	-
55.	Tandon, G., Jaiswal, S., Iquebal, M.A., Kumar, S., Kaur, S., Rai, A. and Kumar, D.	2015	Evidence of Salicylic Acid pathway with EDS1 and PAD4 proteins by molecular dynamics simulation for Grape improvement	<i>Journal of Biomolecular Structure and Dynamics</i> 33(10): 2180-2191	8.30	-
56.	Das S., Pandey, P., Rai, A. and Mohapatra C.	2015	A computational system biology approach to construct gene regulatory networks for salinity response in rice ( <i>Oryza sativa</i> )	<i>Indian Journal of Agricultural Sciences</i> 85(12): 1546-1552	6.17	-
57.	Iquebal, M.A., Jaiswal, S., Angadi, U.B., Sablok, G., Arora, V., Kumar, S. and Kumar, D	2015	SBMDb: First whole genome microsatellite DNA marker database of sugar beet for bioenergy and industrial applications	<i>The Journal of Biological Databases and Curation (Oxford Journal)</i> bav111, DOI: 10.1093/database/bav111	8.63	-
58.	Biswas, A., Rai, A. Ahmad, T. and Sahoo, P.M.	2015	Spatial Estimation approach under ranked set sampling from spatial correlated finite population	<i>Int. J. Agricult. Stat. Sci.</i> 11(2): 551-558	5.13	-



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59.	Sarika, Iquebal, MA, Arora, V., Rai, A. and Kumar, D.	2015	Species specific approach for development of web-based antimicrobial peptides prediction tool	<i>Computer and Electronics in Agriculture</i> 111: 55-61	7.76	-
60.	Singh, V.B., Chaturvedi, K.K., Khatri, S.K. and Kumar, V.	2015	Bug prediction modeling using complexity of code changes	<i>Int. J. Sys. Assurance Engg. Manage.</i> 61: 44-60	-	-
61.	Singh, A., Sharma, A., Dey, N. and Ashour, A. S.	2015	Web Recommendation Techniques – Status Issues and Challenges	<i>Journal of Network Communications and Emerging Technologies JNCET</i> 52: 57-65	-	-
62.	Grover, M. and Mishra, D.C.	2015	Development of computational methods for classification and determination of function in proteins related to abiotic stress in Poaceae	<i>Journal of Applied Bio-Science Research</i> 12: 1-3	-	-
63.	Grover, M., Kumar, S., Kumar, R. and Mishra, D.	2015	What does it mean to Gain Complete Understanding of Biological Systems (or for that matter universe)?	<i>Journal of Applied Bio-Science Research</i> 12: 4-5	-	-
64.	Sengupta, A., Grover, M., Chakraborty, A. and Saxena, S.	2015	HEPNet: A Knowledge Base Model of Human Energy Pool Network for Predicting the Energy Availability Status of an Individual	<i>PLoS One</i> 10(6): e0127918	9.23	-
65.	Srivastava, S., Varghese, C., Jaggi, S. and Varghese, E.	2015	Augmented partial diallel cross plans involving two sets of parental lines	<i>The Indian Journal of Genetics and Plant Breeding</i> 75(1): 105-109	-	-
66.	Iquebal, MA, Jaiswal, Sarika, Kumar, D, Jayasankar, P., Jena and J., Das	2015	Paramananda Low depth shotgun sequencing resolves complete mitochondrial genome sequence of <i>Labeo rohita</i>	<i>Mitochondrial DNA Part A</i> 5: 3517-3518	-	-
67.	Kushwaha, B., Kumar, R., Agarwal, S., Pandey, M, Nagpure, N.S., Singh, M., Srivastava, S., Joshi, C.G., Das, P., Shah, T.M., Patel, A.B., Patel, N., Koringa, P., Das, S.P., Patnaik, S., Bit, A., Jaiswal, Sarika, Iquebal, M.A., Kumar, D. and Jena, J.K.	2015	Assembly and variation analyses of <i>C. batrachus</i> mitogenome retrieved from WGS data and its phylogenetic relationship with other catfishes	<i>Meta Gene.</i> 5: 105-114	-	-



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68.	Som, S., Burman, R.R., Sharma, J.P., Sangeetha, V., Lenin, V., and Iquebal, M.A.	2015	Assessing information need of the stakeholders on good agricultural practices GAP for grapes	<i>Indian Journal of Extension</i> 51(3&4): 8-12	-	-
69.	Som, S., Burman, R.R., Sharma, J.P., Sangeetha, V., Lenin, V. and Iquebal, M.A.	2015	Designing and validating e-Learning Module on Good Agricultural Practices GAP for grapes	<i>Indian Journal of Horticulture</i> 724: 489-493	6.13	-
70.	Choudhary, S., Pareek, S., Saxena, J., Choudhary, A.K. and Iquebal, M.A.	2015	Organic waste management through four different composts for disease suppression and growth enhancement in mung beans	<i>Clean Soil, Air, Water</i> 43(7): 1066-1071	-	-
71.	Behera, S.K., Paul, A.K., Wahi, S.D., Iquebal, M.A. Das, Paul, S., Ranjit, Alam, W. and Kumar A.	2015	Estimation of heritability of mastitis disease using moment estimators	<i>International Journal of Agricultural and Statistical Sciences</i> 10(S1): 243-247	-	-
72.	Kumar, D. and Farooqi, S.	2015	On Generalized Order Statistics from Marshall-Olkin Log-Logistic Distribution	<i>Global Journal of Pure and Applied Mathematics</i> 11(5): 3513-3528	-	-
73.	Meher, P.K., Sahu, T.K., Rao, A.R. and Wahi, S.D.	2014	A statistical approach for 5' splice site prediction using short sequence motifs and without encoding sequence data	<i>BMC Bioinformatics</i> 15: 362	8.52	5
74.	Rao, A.R., Dash, M., Sahu, T.K., Behera, B.K. and Mohapatra, T.	2014	Detection of novel key residues of Mn SOD enzyme and its role in salinity management across species	<i>Journal of Genetics Online Resources</i> 93: e8-e16	7.09	-
75.	Barat, A., Goel, C., Sahoo, P.K. and Rao, A.R.	2014	Development of expressed sequence tags (ESTs) from the brain tissue of snowtrout <i>Schizothorax richardsonii</i> (Gray, 1832) (Family Cyprinidae) and its preliminary annotation	<i>Indian J. Fish</i> 61(2): 118-128	6.22	-
76.	Sahu, T.K., Rao, A.R., Dora, S., Gupta, S. and Rai, A.	2014	In silico identification of late blight susceptibility genes in <i>Solanum tuberosum</i>	<i>Ind. J. Genet.</i> 74(2): 229-237	6.19	-
77.	Meher, P.K., Sahu, T.K., Rao, A.R. and Wahi, S.D.	2014	Application of Gibbs sampling methodology for identification of transcription factor binding sites in MADS box family genes in <i>Arabidopsis thaliana</i>	<i>Ind. J. Genet.</i> 74(1): 73-80	6.19	-



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78.	Rao, A.R., Dash, M., Sahu, T.K., Wahi, S.D., Behera, B.K., Sharma, A.P. and Bhatia, V.K.	2014	Statistical and bio-computational applications in animal sciences	<i>Ind. J. Anim. Sci.</i> 84(5): 475-489	6.16	-
79.	Behera, B.K., Das, P., Maharana, J., Meena, D.K., Sahu, T.K., Rao, A.R., Chatterjee, S., Mohanty, B.P., Sharma, A.P.	2014	Functional Screening and Molecular Characterization of Halophilic and Halotolerant Bacteria by 16S rRNA Gene Sequence Analysis	<i>Proceedings of the National Academy of Sciences, India Section B: Biological Sciences</i> 85(4): 957-964	6.00	-
80.	Meher, P.K., Rao, A.R., Wahi, S.D. and Thelma, B.K.	2014	An approach using random forest methodology for disease risk prediction using imbalanced case-control data in GWAS	<i>Current Medicine Research and Practice</i> 4: 289-294	-	-
81.	Lal, S.B., Sharma, A., Chandra, H. and Rai, A.	2014	Web Based Sample Selection for Survey Data	<i>J. of Ind. Soc. of Agric. Stat.</i> 68(1): 101-108	5.5	-
82.	Prabha, R., Singh, D.P., Gupta, S. K. and Rai, A.	2014	Whole Genome Phylogeny of <i>Prochlorococcus marinus</i> Group of Cyanobacteria: Genome Alignment and Overlapping Gene Approach	<i>Interdiscip Sci. Comput. Life Sci.</i> 6(2): 149-157	6.66	-
83.	Keshri, V., Singh, D.P., Prabha, R., Rai, A. and Sharma, A.K.	2014	Genome subtraction for the identification of potential antimicrobial targets in <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> PXO99A pathogenic to rice	<i>3 Biotech.</i> 4: 91-95	-	-
84.	Sharma, N., Farooqi, M. S., Chaturvedi, K.K., Lal, S.B., Grover, M., Rai, A. and Pandey, P.	2014	The Halophile Protein Database	<i>Database (Oxford) bau</i> 114	8.627	-
85.	Iquebal, M.A., Ansari, M.S., Dixit, S.P., Verma, N.K., Aggarwal, R.A. K., Jayakumar, S. and Kumar, D.	2014	Locus minimization in breed prediction using artificial neural network approach	<i>Animal Genetics</i> 45(6): 898-902	7.78	-
86.	Nigam, D., Kumar, S., Mishra, D.C., Rai, A. Smita, S. and Saha, A.	2014	Synergetic regulatory networks mediated by microRNAs and transcription factors under Salinity, Heat and Drought stress in <i>Oryza sativa</i> spp.	<i>Gene</i> 555(2): 127-139	8.14	-





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87.	Paul, M.M., Rai, A. and Kumar, S.	2014	Classification of cereal proteins related to abiotic stress based on their physicochemical properties using support vector machine.	<i>Current Science</i> 107(8): 1283-1289	6.97	-
88.	Farooqi, M.S., Sanjukta, R.K., Mishra, D.C., Singh, D.P., Rai, A., Chaturvedi, K.K. and Sharma, N.	2014	In silico Analysis of Synonymous Codon usage Pattern of <i>Rhizobium etli</i> CFN 42	<i>Proc. Natl. Acad. Sci., India, Sect. B Biol.Sci</i> 86(2): 385-393	6.0	-
89.	Chilana, P., Bhati, J., Sharma, A., Mishra, D.C. and Rai, A.	2014	Analysis of Codon Usage Pattern and Prediction of Potentially Highly Expressed Genes in Drosophila	<i>European Journal of Molecular Biology and Biochemistry</i> 1(4): 144-150	-	-
90.	Sadhu, S.K., Ramasubramanian, V., Rai, A. and Kumar, A	2014	Decision Tree Based Models for Classification in Agricultural Ergonomics	<i>Journal of the Society of Statistics, Computers and Applications</i> 12(1&2): 21-33	-	-
91.	Ray, M., Ramasubramanian V., Kumar, A. and Rai, A.	2014	Application of Time Series Intervention Modelling for Modelling and Forecasting Cotton Yield	<i>Journal of the Society of Statistics, Computers and Applications</i> 12(1&2): 61-70	-	-
92.	Chaturvedi, K.K., Kapur, P.K., Anand, S. and Singh, V.B.	2014	Predicting the complexity of codechanges using entropy based measures	<i>Int. J. Sys. Assu. Engg. Manage.</i> 52: 155-164	-	-
93.	Grover, M.	2014	Brassinosteroid synthesis as context sensitive language acceptance problem	<i>Int. J. Comp. Sci. Engg.</i> 6: 118-120	-	-
94.	Grover, M., Mishra, D., Kumar, R., Trivedi, A. K. and Srivastava, S.	2014	Computation, Mathematics or Aesthetic Realism: Revisiting the foundations of modern biology and agriculture	<i>International Journal of Current Research and Academic Review</i> 2(8): 175-177	-	-
95.	Iquebal, M.A., Prajneshu and Jaiswal, Sarika	2014	Nonlinear support vector regression methodology for modelling and prediction: An application	<i>Journal of the Indian Society of Agricultural Statistics</i> 68(3): 369-374	-	-
96.	Satyavathi, C.T., Sapna, T., Bharadwaj, C., Rao, A.R., Bhat, J. and Singh, S.P.	2013	Genetic Diversity Analysis in a Novel Set of Restorer Lines of Pearl Millet [ <i>Pennisetum glaucum</i> (L.) R. Br] Using SSR Markers	<i>Vegetos</i> 26(1): 72-82	6.00	-



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97.	Sharma, A., Lal, S.B., Mishra, D.C., Srivastava, S. and Rai, A.	2013	A web Based Software for Synonymous Codon Usage Indices	<i>International Journal of Information and Computation Technology</i> 3(3): 147-152	-	-
98.	Lal, S.B., Pandey, P.K., Rai, P.K., Rai, A., Sharma, A. and Chaturvedi, K.K.	2013	Design and development of portal for biological database in agriculture	<i>Bio-information</i> 9(11): 588-598	-	-
99.	Kumar, A, Mishra, D.C., Rai, A., Sharma, M.K. and Gajula, M.N.V.P.	2013	In-silico analysis of protein-protein interaction between resistance and virulence protein during leaf rust disease in wheat ( <i>Triticum aestivum</i> L.)	<i>World Res. J. Pept. Protein</i> 2(1): 52-58	-	-
100.	Sarika, Arora, V., Iquebal, M.A., Rai, A. and Kumar, D.	2013	PIPEMicroDB: Microsatellite database and primer generation tool for pigeon-pea genome.	<i>Database: The Journal of Biological Databases and Curation, bas</i> 054	8.63	-
101.	Sarika, Arora, V., Iquebal, M.A., Rai, A. and Kumar, D.	2013	<i>In silico</i> mining of putative microsatellite markers from whole genome sequence of water buffalo ( <i>Bubalis bubalis</i> ) and development of first BuffSatDB	<i>BMC Genomics</i> 14: 43	9.87	-
102.	Bajetha, G., Bhati, J., Sarika, Iquebal, M. A., Rai, A., Arora, V. and Kumar, D.	2013	Analysis and functional annotation of expressed sequence tags of Water Buffalo	<i>Animal Biotechnology</i> 24(1): 25-30	6.69	-
103.	Chaturvedi, K.K. and Singh, V.B.	2013	Bug prediction using entropy based measures	<i>Int. J. Knowledge Engg. Data Mining</i> 24: 266-291	-	-
104.	Kumar, V., Singh, K.H., Chaturvedi, K.K. and Nanjundan, J.	2013	Design and implementation of web-based database of rapeseed-mustard germplasm using Linux - Apache - MySQL - PHPLAMP technology	<i>Afr. J. Agril. Res.</i> 822: 2733-2743	-	-
105.	Chaturvedi, K.K., Lal, S.B., Naveen, S., Farooqi, M.S. and Mishra, D.C.	2013	सूक्ष्मजीवों में जीनों की अभिव्यक्ति	नई उम्मीद 5(1)	-	-
106.	Sharma, A., Varghese, C. and Jaggi, S.	2013	WS-PBIBD - A web solution for partially balanced incomplete block experimental designs	<i>Comp. Electron Agril.</i> 99: 132-134	7.76	-



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107.	Grover, M.	2013	The elementary field of consciousness and its manifestations	<i>International Journal of Engineering Science and Technology</i> 5: 754-756	-	-
108.	Grover, M., Grover, R., Singh, R., Kumar, R. and Kumar, S.	2013	Quantum combinatorial model of gene expression	<i>Bioinformation</i> 9(3): 141-144	-	-
109.	Grover, M., Singh, R., Kumar, R. and Trivedi, A.K.	2013	Mental Disorders and fundamental space time geometry at Planck scale: A hypothesis	<i>International Journal of Advanced Biotechnology and Research</i> 4(1): 920-924	-	-
110.	Chauhan, J.S., Singh, K. H. and Mishra, D.C.	2013	AMMI and bi-plot analyses to identify stable genotypes of Indian mustard ( <i>Brassica juncea</i> L.) for oil and seed meal quality characters	<i>SABRAO J. Breed Genet.</i> 45(2): 195-202	-	-
111.	Singh, V. V., Chauhan, J. S., Meena, M. L. and Mishra, D. C.	2013	Correlation and path coefficient analysis for yield and yield components in early generation lines of Indian Mustard ( <i>Brassica juncea</i> L.)	<i>Current Advances in Agricultural Sciences</i> 5(1): 37-40	-	-
112.	Farooqi, M.S., Sanjukta, R., Sharma, N., Rai, A., Mishra, D.C., Singh, D.P. and Chaturvedi, K.K.	2013	Statistical and computational methods for detection of synonymous codon usage patterns and gene expression	<i>International Journal of Agricultural and Statistical Sciences</i> 9(1): 303-310	-	-
113.	Sanjukta, R.K., Farooqi, M., Rai, N., Rai, A., Sharma, N., Mishra, D. C. and Singh, D.P.	2013	Expression Analysis of Genes Responsible for Amino Acid Biosynthesis in Halophilic Bacterium <i>Salinibacter ruber</i>	<i>Indian Journal of Biochemistry and Biophysics</i> 50(3): 177-185	-	-
114.	Sanjukta, R.K., Farooqi, M.S., Sharma, N., Rai, N., Mishra, D.C., Rai, A., Singh, D.P. and Chaturvedi, K.K.	2013	Statistical analysis of codon usage in extremely halophilic bacterium <i>Salinibacter ruber</i> DSM13855	<i>Journal of Bioinformatics</i> 14(1): 15-31	-	-
115.	Srivastava, S., Varghese, C., Jaggi, S. and Varghese, E.	2013	Diallel cross designs for test versus control comparisons	<i>The Indian Journal of Genetics and Plant Breeding</i> 73(2): 186-193	-	-



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116.	Singh, A., Vats, G., Chandra, N. and Grover, M.	2013	Sumoylation may play an important role in modification of large number of proteins associated with heat stress in plants	<i>Proceedings of the National Academy of Sciences, India Section B: Biological Sciences</i> 84(3): 709-712	-	-
117.	Iquebal, M.A. and Jaiswal, S.	2013	Nonlinear growth models for describing country's lentil <i>Lens culinaris</i> M production	<i>J. Food Legumes</i> 26(1&2): 79-82	-	-
118.	Iquebal, M.A., Ghosh, H. and Prajneshu	2013	Fitting of SETAR Three-regime nonlinear time series model to Indian lac production data through genetic algorithm	<i>Indian Journal of Agricultural Sciences</i> 83(12): 130-132	-	-
119.	Bhushan, G., Mishra, V.K., Iquebal, M.A. and Singh, Y.P.	2013	Effect of genotypes, reproductive developmental stages, and environments on glucosinolates content in rapeseed mustard	<i>Asian Journal of Plant Science and Research</i> 31: 75-82	-	-
120.	Basak, P., Chandra, H, Sud, U.C. and Lal, S.B.	2013	Prediction of Population Total for Skewed Variable under a Log Transform Model	<i>International Journal of Agricultural and Statistical Sciences</i> 9(S1): 143-154	-	-
121.	Kaur, C., Walia, S., Nagal, S., Walia, S., Singh, J., Singh, B.B., Saha, S., Singh, B., Kalia, P., Jaggi S. and Jaiswal, S.	2013	Functional quality and antioxidant composition of selected tomato <i>Solanum lycopersicon</i> L. cultivars grown in northern India	<i>Food Science and Technology</i> 50(1): 139-145	-	-
122.	Sahu, T.K., Rao, A.R., Vasisht, S., Singh, N. and Singh, U.P.	2012	Computational Approaches, Databases and Tools for in silico Motif Discovery	<i>Interdisciplinary Sciences: Computational Life Sciences</i> 4: 239-255	6.66	-
123.	Dash, S., Wahi, S.D. and Rao, A.R.	2012	Classification of maize genotypes by artificial neural network based method: Self Organizing Feature Map	<i>Indian Journal of Agricultural Sciences</i> 82(2): 162-163	6.14	-
124.	Kumar, R., Rao, A.R., Wahi, S.D. and Bhat, K.V.	2012	Performance of clustering procedures for grouping germplasms based on mixture data with missing observations	<i>Indian Journal of Agricultural Sciences</i> 82(12): 1055-1058	6.14	-



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126.	Sanjukta, R., Farooqi, M.S., Sharma, N., Rai, A., Mishra, D.C. and Singh, D. P.	2012	Trends in the codon usage patterns of <i>Chromohalobacter salexigens</i> genes	<i>Bioinformation</i> 8(22): 1087-1095	-	-
127.	Singh, D.P., Prabha, R., Rai, A. and Arora, D. K.	2012	Bioinformatics - Assisted Microbiological Research: Tasks, Developments and Upcoming Challenges	<i>American Journal of Bioinformatics</i> 1(1): 10-19	-	-
128.	Sarika, Iquebal, M.A. and Rai, A.	2012	Biotic stress resistance in agriculture through antimicrobial peptides	<i>Peptides</i> 36: 322-330	8.54	-
129.	Sarika, M.A., Iquebal, A. and Rai, A.	2012	<i>In silico</i> analysis and homology model of legume antioxidant proteins	<i>Online Journal of Bioinformatics</i> 13(1): 120-129	-	-
130.	Prabha, R., Singh, D.P., Gupta, S.K., Farooqi, S. and Rai, A.	2012	Synonymous codon usage in <i>Thermosynechococcus elongatus</i> (cyanobacteria) identifies the factors shaping codon usage variation	<i>Bioinformation</i> 8(13): 622-628	-	-
131.	Chilana, P., Sharma, A. and Rai, A.	2012	Insect Genomic Resources: Status, Availability and Future	<i>Current Science</i> 102(4): 571-580	6.97	-
132.	Gharde, Y., Rai, A. and Chandra, H.	2012	Hierarchical Bayes Small area approach for spatial data	<i>Jr. Ind. Soc. Ag. Stat.</i> 66(2): 259-268	5.5	-
133.	Kumar, M., Taqueer, A., Rai, A. and Sahoo, P.M.	2012	Sensitivity analysis of various indicators of composite index	<i>Jr. Ind. Soc. Ag. Stat.</i> 66(2): 335-342	5.5	-
134.	Ahmad, T., Rai, A. and Singh, R.	2012	Objective Spatial Analytic Hierarchy Process for identification of potential agroforestry areas using GIS	<i>Mod. Assist. Statist. Appl.</i> 7(1): 65-73	-	-
135.	Ahmad, T., Rai, A., and Sahoo, P. M.	2012	Comparison of bootstrap techniques for estimation of ratio in complex surveys	<i>Inter. J. Agril. Statist. Sci.</i> 8(1): 355-365	5.13	-
136.	Sahoo, P.M., Rai, A., Ahmad, T., Singh, R. and Handique, B.K.	2012	Estimation of acreage under paddy crop in Jaintia Hills district of Meghalaya using Remote sensing and GIS	<i>Inter. J. Agril. Statist. Sci.</i> 8(1): 193-202	5.13	-



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138.	Dahiya, S., Jaggi, S., Chaturvedi, K.K., Bhardwaj, A., Goyal, R. C. and Varghese, C.	2012	An eLearning System for Agricultural Education	<i>Indian Journal of Extension Education</i> 123: 132-135	-	-
139.	Islam, S., Kundu, S., Shoran, J., Sabir, N., Sharma, K., Farooqi, S., Agarwal, R., Chaturvedi, K.K. and Sharma, A.K.	2012	Selection of Wheat <i>Triticum aestivum</i> Variety through Expert System	<i>Indian Journal of Agricultural Sciences</i> 82(1): 39-43	6.0	-
140.	Chaturvedi, K.K. and Singh, V. B.	2012	An Empirical Comparison of Machine Learning Techniques in Predicting the Bug Severity of Open and Closed Source Projects	<i>International Journal of Open Source Software and Processes</i> 42: 32-59	-	-
141.	Lal, S.B. and Sharma, A.	2012	SSDA - A Windows Based Software for Survey Data Analysis	<i>International Journal of Physical and Social Sciences</i> 24: 381-389	-	-
142.	Sharma, A. and Lal, S.B.	2012	SSDA Analysis - A Class Library for Analysis of Sample Survey Data	<i>International Journal of Modern Engineering Research</i> 2(1): 242-246	-	-
143.	Grover, M. and Grover, R.	2012	Engineering Systems and quantum computation: A vision for future in the context of consciousness	<i>International Journal of Engineering Science and Technology</i> 4(11): 4644-4647	-	-
144.	Grover, M. and Grover, R.	2012	Quantum Computation and Consciousness in Cyclic and Mythological Models of Universe	<i>International Journal of Computer Science and Engineering</i> 4(11): 1786-1788	-	-
145.	Grover, M. and Gahoi, S.	2012	Computational analysis of diversity of genes coding for phytoene synthase in higher plants and its molecular implications	<i>Vegetos</i> 25(2): 1-12	-	-
146.	Grover, M. and Grover, R.	2012	Interface of Systems Biology and Engineering: Principles and Applications	<i>Proc. National Academy of Sciences, India Section B: Biological Sciences</i> 82(4): 455-461	-	-



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148.	Angadi, U.B. and Patil, S.S.	2012	Network Based Knowledge Management System in Indian Agricultural Extension	<i>International Journal of Agriculture Science and Veterinary Medicine</i> 1(1): 75-81	-	-
149.	Singh, N.V., Singh, S.K., Singh, A.K., Meshram, D.T., Suroshe S.S. and Mishra, D.C.	2012	Arbuscular Mycorrhizal Fungi (AMF) induced hardening of micropropagated pomegranate ( <i>Punica granatum</i> L.) plantlets	<i>Scientia Horticulturae</i> 136: 122-127	-	-
150.	Sewak, S., Iquebal, M. A., Singh, N.P., Solanki, R.K. and Jaiswal, S.	2012	Genetic diversity studies in chickpea ( <i>Cicer arietinum</i> ) germplasm	<i>Journal of Food Legumes</i> 251: 31-36	-	-
151.	Varghese, E., Jaggi, S. and Jaiswal, S.	2012	Response surface model with neighbour effects and correlated observation	<i>Mod. Assisted Statist. Appl.</i> 8(1): 41-49	-	-
152.	Choudhary, A.K., Iquebal, M.A. and Nadarajan, N.	2012	Protogyny is an attractive option over emasculation for hybridization in pigeonpea	<i>SABRAO Journal of Breeding and Genetics</i> 441: 138-148	-	-
153.	Shrivastava, A., Babbar, A., Prakash, V., Tripathi, N. and Iquebal, M.A.	2012	Genetic and molecular diversity analysis for improvement of chickpea ( <i>Cicer arietinum</i> L.) genotypes grown under rice fallow	<i>Journal of Food Legume</i> 252: 147-150	-	-
154.	Iquebal, M.A., Ghosh, H. and Prajneshu	2012	Genetic algorithm optimization technique for linear regression models with heteroscedastic errors	<i>Indian Journal of Agricultural Sciences</i> 82(5): 422-425	-	-
155.	Saxena, H., Duraimurugan, P. and Iquebal, M.A.	2012	Seasonal parasitism and biological characteristics of <i>Habrobracon hebetor</i> Hymenoptera: Braconidae – a potential larval ectoparasitoid of ( <i>Helicoverpa armigera</i> ) Lepidoptera: Noctuidae in chickpea ecosystem	<i>Biocontrol Science and Technology</i> 223: 305-318	-	-
156.	Babbar, A., Prakash, V., Tiwari, P. and Iquebal, M.A.		Genetic variability for chickpea ( <i>Cicer arietinum</i> L.) under late sown season	<i>Legume Research</i> 351: 1-7	-	-



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158.	Panwar, S., Kumar, A., Singh, K.N. Farooqi, M. S. and Rathore, A.	2012	Nonlinear regression techniques for analysis of onion <i>Allium cepa</i> production in India	<i>Indian Journal of Agricultural Sciences</i> 82(12): 1051-1054	-	-
159.	Sahu, T.K., Rao, A.R., Singh, A., Behera, B.K. and Mohapatra, T.	2011	In silico identification of residues for anoxia tolerance across species	<i>Journal of Bioinformatics</i> 12(1): 175-197	-	-
160.	Wahi, S.D. and Rao, A. R.	2011	Some investigations on sampling variance of genetic correlation	<i>The IUP Journal of Genetics and Evolution</i> 4(2): 27-44	-	-
161.	Ahmad, T., Bathla, H.V.L., Rai, A., Mathur, D.C. and Sood, R.M.	2011	An alternative sampling methodology for estimation of area and production of horticultural crops	<i>Mod. Assist. Statist. Appl.</i> 6(4): 325-336	-	-
162.	Farooqi, M.S., Arora, A., Dahiya, S., Rai, A. and Singh, B.	2011	PERMISnet-II: Personnel Management Information System Network-II for ICAR	<i>J. Ind. Soc. Agril. Statist.</i> 65(1): 105-113	-	-
163.	Singh, V.B. and Chaturvedi, K.K.	2011	Bug Tracking and Reliability Assessment System BTRAS	<i>International Journal of Software Engineering and Its Applications</i> 54: 17-30	-	-
164.	Grover, M.	2011	Evolution of the universe and biological organisms progressively involves more information from the mathematical world	<i>Global Journal of Science Frontier Research</i> 11(9): 58-62	-	-
165.	Sharma, A.K., Sharma, V.K., Chakravarty, A.K., Jain, D.K., Ruhil, A. Malhotra, P.R., Agrawal, R.C. and Grover, M.	2011	Web-enabled Decision Support System on Most Probable Producing Ability and a Searchable Database on Herd Strength for Livestock Farm Management	<i>International Journal of Computer Science and Engineering</i> 3: 3628-3633	-	-
166.	Grover, M., Randhawa, G.J. and Sharma, V.K.	2011	Allergen Domain Online: A database for domains occurring in the allergens	<i>Journal of Advanced Bioinformatics Applications and Rese.</i> 2: 197-199	-	-
167.	Grover, M.	2011	Logical impossibilities in biological networks	<i>International Journal of Engineering Science and Technology</i> 3(5): 294-296	-	-





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169.	Grover, M. and R. Grover	2011	Quantum black holes and pseudotelepathy in biological organisms	<i>International Journal of Engineering Science and Tech.</i> 3(5): 1986-1989	-	-
170.	Grover, M.	2011	The distinction between living and non living: a quantum computational perspective	<i>International Journal of Engineering Science and Technology</i> 3(3): 1986-1989	-	-
171.	Grover, M., Kumar, R., Mondal, T.K. and Rajkumar, S.	2011	Computational models for sustainable development	<i>Indian Journal of Computer Science and Engineering</i> 2(1): 55-60	-	-
172.	Grover, M.	2011	The Quantum Computing Conscious Universe and the Extended Deep Ecology Hypothesis: Implications for Medicine, Agriculture and Technology	<i>International Journal of Engineering Science and Technology</i> 3(2): 813-815	-	-
173.	Grover, M.	2011	The proposed quantum computational basis of deep ecology: its implications for agriculture	<i>International Journal of Computer Science and Engineering</i> 3(2): 797-799	-	-
174.	Grover, M.	2011	Parallels between Gluconeogenesis and Synchronous machines	<i>International Journal of Computer Science and Engineering</i> 3(1): 185-191	-	-
175.	Randhawa, G.J., Singh, M. and M. Grover	2011	Bioinformatic analysis for allergenicity assessment of <i>Bacillus thuringiensis</i> Cry proteins expressed in insect-resistant food crops	<i>Food and Chem. Toxic.</i> 49: 356-362	-	-
176.	Grover, M. and R. Grover	2011	Bose-Einstein condensation in networks related to consciousness	<i>International Journal of Engineering Science and Technology</i> 3(4): 2852-2856	-	-
177.	Angadi U.B. and Venkatesulu M.	2011	Structural SCOP superfamily level classification Using Unsupervised Machine Learning	<i>IEEE Transaction on Computational Biology and Bioinformatics</i> 9(2): 601-608	-	-



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179.	Yadav, N.K., Jaiswal, S., Iquebal, M.A. and Mohd, A.	2011	In-silico analysis and homology modelling of coat protein of Mungbean yellow mosaic India virus	<i>Journal of Food Legumes</i> 242: 138-141	-	-
180.	Jaiswal, S., Iquebal, M. A. and Chattopadhyay, C.	2011	Modelling and forecasting of pigeonpea ( <i>Cajanus cajan</i> ) in India using Autoregressive integrated moving average methodology	<i>Indian Journal of Agricultural Sciences</i> 81(6): 520-523	-	-
181.	Choudhary, A.K., Singh, D. and Iquebal, M.A.	2011	Selection of pigeonpea ( <i>Cajanus cajan</i> ) genotypes for tolerance to aluminum toxicity	<i>Plant Breeding</i> 130(4): 492-495	-	-
182.	Ghosh, H., Iquebal, M. A. and Prajneshu	2011	Bootstrap study of parameter estimates for nonlinear Richards growth model through Genetic algorithm	<i>Journal of Applied Statistics</i> 38(3): 491-500	-	-
183.	Grover, M.	2011	The Conscious experience on listening to music or viewing art: Does it complement scientific analysis of reality?	<i>International Journal of Engineering Science and Technology</i> 3(1): 44-46	-	-
184.	Rao, A.R., Choudhary, S.K., Wahi, S.D. and Prabhakaran, V.T.	2010	An index for simultaneous selection of genotypes for high yield and stability under incomplete genotype x environment data	<i>Ind. J. Genet.</i> 70(1): 80-84	-	-
185.	Meher, P.K., Rao, A.R., Wahi, S.D. and Jaggi, N.	2010	Detection of multivariate outliers in breeding data	<i>International Journal of Statistics and Systems</i> 4: 527-535	-	-
186.	Shukla, R., Rai, A. and Monga, N.	2010	India Protection Index: An Objective Measurement of the Economic and Social Well-being of the Indian Population	<i>The Journal of Applied Economic</i> 4(3): 339-367	-	-
187.	Grover, M.	2010	Quantum computation and Schizophrenia.	<i>International Journal of Computer Science and Engineering</i> , 1(3): 52-54	-	-



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189.	Grover, M., Sharma V.K. and S. Marla	2010	Lab Companion: A software for laboratory management	<i>International Journal of Computer Science and Engineering</i> 1(4): 353-356	-	-
190.	Angadi U.B. and M. Venkatesulu	2010	Genetal: A new technique for feature extraction from large set of biological sequences and its use in classification	<i>Journal of Computational Intelligence in Bioinformatics</i> 3(1): 49-61	-	-
191.	Angadi, U.B. and Venkatesulu, M.	2010	Fuzzy ART neural network for protein classification	<i>IEEE Transaction on Computational Biology and Bioinformatics</i> 8(5): 825-41	-	-
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193.	Iquebal, M.A., Ghosh, H. and Prajneshu	2010	Application of Genetic Algorithm for Fitting Self-Exciting Threshold Autoregressive Nonlinear Time-Series Model	<i>Journal of Indian Society of Agricultural Statistics</i> 64(3)3: 391-398	-	-
194.	Sharma, A., Varghese, C. and Rao, A.R.	2009	Software for the analysis of repeated measurements designs	<i>Ind. J. Anim. Sci.</i> 79(4): 445-448	-	-
195.	Varghese, C., Rao, A. R. and V.K. Gupta	2009	Optimal change over designs under treatment x unit interaction	<i>International Journal of Applied Mathematics and Statistics</i> 14(J09): 27-34	-	-
196.	Wahi, S.D., Dash, S. and Rao, A.R.	2009	An empirical investigation on classical clustering methods	<i>The ICFAI University Journal of Genetics and Evolution</i> 2(3): 74-79	-	-
197.	Choudhary, S.K., Rao, A. R., Wahi, S.D. and Prabhakaran, V.T.	2009	Performance of simultaneous selection index against missing observations in genotype x environment data	<i>ICFAI: University Journal of Genetics and Evolution</i> 2(4): 36-42	-	-
198.	Srivastava, S.K., Agarwal, M. and M. Grover	2009	Genome wide single nucleotide polymorphism analysis of <i>Mycobacterium</i> species and subspecies	<i>Journal of Microbiology</i> 4(3): 112-121	-	-



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200.	Jaiswal, S., Jaggi, S. and Sharma, V.K.	2009	Second order response surface model with neighbour effects	<i>Comm. Statist- Theory Methods</i> 38(9): 1393-1403	-	-
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202.	Roca, X., Olson, A.J., Rao, A.R., Enerly, E.R., Kristensen, V.N., Dale, A.B., anderson, B.S., Krainer, A.R. and Schidanandam, R.	2008	Features of 5' splice site efficiency derived from disease causing mutations and comparative genomics	<i>Genome Research</i> 18: 77-87	20.00	54
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204.	Sahoo, N., Rajput, T.B.S. and Rao, A.R.	2008	Geomorphological Parameters Based Watershed Sediment Yield Estimation	<i>Journal of Agricultural Engineering</i> 45(1): 47-56	-	-
205.	Nilakanta, S., Scheibes, K. and Rai, A.	2008	Dimensional issues in agricultural data warehouse design	<i>Computers and Electronics in Agriculture</i> 60(2): 263-278	-	-
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208.	Sud, U.C. and Mishra D.C.	2008	Estimation of finite population mean using double ranked Set sampling	<i>Journal of the Indian Society of Agricultural Statistics</i> 62(3): 203-207	-	-
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212.	Ramesh, K., Rao, A.R., Prabhakaran, V.T., Selvi, A. and Mohapatra, T.	2007	Comparative evaluation of clustering techniques for establishing AFLP based genetic relationship among sugarcane cultivars	<i>J. Indian Soc. Agric. Statist.</i> 61(1): 51-65	5.5	-
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214.	Vishwakarma, R.K., Wanjari, O.D., Rai, A. Bathla, H.V.L. and Gupta, R.K.	2007	New Methodology to study harvest and post-harvest losses in Groundnut	<i>Agricultural Situation in India</i> 625-630	-	-
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216.	Rai, A. N.K. Gupta and Singh, R.	2007	Small area estimation of crop production using spatial models	<i>Mod. Asst. Stat. Apl.</i> 2(2): 89-98	-	-
217.	V. Ramasubramanian, Rai, A. and Singh, R.	2007	Jackknife variance estimation under two-phase sampling	<i>Mod. Asst. Stat. Apl.</i> 2(1): 27-35	-	-
218.	Rai, A., Dubey, V., Chaturvedi, K.K. and Malhotra, P.K.	2007	Issues of design and development of agricultural data warehouse in India	<i>Com. Soc. Ind.</i> 31(1): 43-51	-	-

### Research Publications of Students

S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
1.	Anjum, A., Jaggi, S., Varghese, E., Lall, S., Bhowmik, A. and Rai, A.	2016	Identification of Differentially Expressed Genes in RNA-seq Data of <i>Arabidopsis thaliana</i> : A Compound Distribution Approach	<i>Journal of Computational Biology</i> 23(4): 239-247	-	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
2.	Ray, S., Singh, P.K., Gupta D.K., Mahato, A.K., Sarkar, C., Rathour, R., Singh, N.K. and Sharma, T.R.	2016	Analysis of <i>Magnaporthe oryzae</i> genome reveals a fungal effector, which is able to induce resistance response in transgenic rice line containing resistance gene, <i>Pi54</i>	<i>Frontiers in Plant Science</i> 7: 1140	-	-
3.	Meher, P.K., Sahu, T.K., Rao, A.R. and Wahi, S.D.	2015	Determination of window size and identification of suitable method for prediction of donor splice sites in rice ( <i>Oryza sativa</i> ) genome	<i>Journal of Plant Biochemistry and Biotechnology</i> 24(4): 385-392	7.35	-
4.	Meher, P.K., Rao, A.R., Wahi, S.D. and Thelma, B.K.	2014	An approach using random forest methodology for disease risk prediction using imbalanced case-control data in GWAS	<i>Current Medicine Research and Practice</i> 4: 289-294	-	-
5.	Meher, P.K., Sahu, T.K., Rao, A.R. and Wahi, S.D.	2014	Application of Gibbs sampling methodology for identification of transcription factor binding sites in MADS box family genes in <i>Arabidopsis thaliana</i>	<i>Indian Journal of Genetics and Plant Breeding</i> 74(1): 73-80	6.19	-
6.	Meher, P.K., Sahu, T.K. and Rao, A.R.	2016	Prediction of donor splice sites using random forest with a new sequence encoding approach	<i>BioData Mining</i> 9: 4	-	-
7.	Sarkar, R.K., Rao, A.R., Meher, P.K., Nepolean, T. and Mohapatra, T.	2015	Evaluation of Random Forest regression for prediction of breeding value from genome-wide SNPs	<i>Journal of Genetics</i> 94: 187-192	7.09	-
8.	Sarkar, R.K., Meher, P.K., Wahi, S.D., Mohapatra, T. and Rao, A.R.	2015	An approach to the development of a core set of germplasm using a mixture of qualitative and quantitative data	<i>Plant Genetic Resources, Characterization and Utilization</i> 13(2): 96-103	6.58	-
9.	Choudhary, R.K., Rao, A.R., Wahi, S.D. and Misra, A.K.	2016	Detection of biennial rhythm and estimation of repeatability in mango ( <i>Mangifera indica</i> L.)	<i>The Indian Journal of Genetics and Plant Breeding</i> 76(1): 88-97	6.19	-
10.	Bardhan, S.R., Rao, A.R., Meher, P.K., Marwaha, S. and Wahi, S.D.	2015	Identification of a suitable clustering method and allocation strategy for core set development in salt stress tolerant rice germplasm	<i>Indian Journal of Agricultural Sciences</i> 85(12): 1560-1564	6.00	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
11.	Sarkar, R.K., Rao, A.R., Wahi, S.D. and Bhat, K.V.	2012	Performance of clustering procedures for grouping germplasms based on mixture data with missing observations	<i>Indian Journal of Agricultural Sciences</i> 82(12): 1055-1058	6.00	-
12.	Sarkar, R, Rao, A.R., Wahi, S.D. and Bhat, K.V.	2011	A comparative performance of clustering procedures for mixture of qualitative and quantitative data - an application to blackgram	<i>Plant Genetic Resources: Characterization and Utilization</i> 9(4): 523-527	6.58	-
13.	Meher, P.K., Rao, A.R., Wahi, S.D. and Jaggi, N.	2010	Detection of multivariate outliers in breeding data	<i>International Journal of Statistics and Systems</i> 4: 527-535	-	-
14.	Rao, A. R., Choudhary, SK, Wahi, S.D. and Prabhakaran, V.T.	2010	An index for simultaneous selection of genotypes for high yield and stability under incomplete genotype x environment data	<i>Indian Journal of Genetics and Plant Breeding</i> 70(1): 80-84	6.19	-
15.	Choudhary, S.K., Rao, A.R., Wahi, S.D. and Prabhakaran, V.T.	2009	Performance of simultaneous selection index against missing observations in genotype x environment data	<i>ICFAI: University Journal of Genetics and Evolution</i> 2(4): 36-42	-	-

## Faculty Profile

### Heads

S. No.	Name	Period
1.	Dr. V.K. Bhatia, Director, ICAR-IASRI	12-08-2008 - 28-02-2013
2.	Dr. U.C. Sud, Director, ICAR-IASRI	01-03-2013 - till date

### Professors

S. No.	Name	Period
1.	Dr. Prajneshu	28-01-2011 - 31-07-2013
2.	Dr. Anil Rai	01-08-2013 - 21-10-2016
3.	Dr. A.R. Rao	22-10-2016 onwards

### Faculty Members

S. No.	Name of the Faculty	Qualification	Specialization	h-Index	i10-Index
1.	A.R. Rao	Ph.D.	Agril. Statistics	9	9
2.	Anil Rai	Ph.D.	Agril. Statistics	7	5



S. No.	Name of the Faculty	Qualification	Specialization	h-Index	i10-Index
3.	Anu Sharma	MCA	Computer Application	3	0
4.	Dwijesh Chandra Mishra	Ph.D.	Agril. Statistics	3	1
5.	A.K. Mishra	Ph.D.	Bioinformatics	-	-
6.	K.V. Bhat*	Ph.D.	Plant Breeding	-	-
7.	Krishna Kumar Chaturvedi	Ph.D.	Computer Science	6	5
8.	Mir Asif Iquebal	Ph.D.	Agril. Statistics	6	2
9.	Monendra Grover*	Ph.D.	Plant Biotechnology	7	5
10.	P.S. Pandey	Ph.D.	Agril. Statistics	-	-
11.	Rajender Parsad	Ph.D.	Agril. Statistics	12	22
12.	Mohammad Samir Farooqi	M.Sc.	Statistics	-	-
13.	Sanjeev Kumar	M.Sc.	Agril. Statistics	6	5
14.	Sarika	Ph.D.	Agril. Statistics	5	3
15.	Shashi Bhushan Lal	Ph.D.	Computer Science	2	0
16.	Seema Jaggi	Ph.D.	Agril. Statistics	-	-
17.	Soma Sundar Marla*	Ph.D.	Molecular Biology and Biotechnology	9	8
18.	Sudeep Marwaha	Ph.D.	Computer Science	5	3
19.	Sudhir Srivastava		Agril. Statistics	1	0
20.	Sunil Archak*	Ph.D.	Molecular Biology and Biotechnology	13	14
21.	Tilak Raj Sharma*	Ph.D.	Plant Pathology	-	-
22.	Ulavappa Angadi	Ph.D.	Computer Science	3	3
22.	T. Nepolean*	Ph.D.	Genetics	-	-
23.	P.K. Singh*	Ph.D.	Genetics	-	-
24.	Kishore Gaikwad*	Ph.D.	Molecular Biology and Biotechnology	-	-

\*Dual faculty members listed in their respective major Disciplines





# Computer Application

Sudeep Marwaha

## Students Awarded Degree

S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
<b>M.Sc. Students</b>					
1	2007	Kaushik Bhagwati	GIS assisted farm management information	Dr. P.K. Malhotra	-
2	2007	Nisha Jha	Information system on post-harvest management of Kinnow mandarin (citrus) fruit	Dr. R.C. Goyal	-
3	2007	Anesh Raj Y.	Information system on cropping sequence experiments	Dr. V.K. Mahajan	-
3.	2007	Sumit Sharma	Information system for dissemination of ready to adopt agriculture technologies	Dr. S.D. Sharma	-
4.	2007	Iti Jha	Software for stability analysis using AMMI and SREG models	Dr. P.K. Malhotra	-
5.	2007	Nongmaithem Uttam Singh	Some statistical modules for analysis of breeding data	Dr. I.C. Sethi	-
6.	2007	Sandip Shil	Critical evaluations of Indian web-portals on agriculture	Dr. S.D. Sharma	-
7.	2007	Dibyendu Deb	Software for stability analysis using factorial regression	Dr. P.K. Malhotra	-
8.	2007	Chayana Jana	Information system on herbicide use in field crop	Dr. V.K. Mahajan	-
9.	2007	Mukesh Kumar Vishal	Web based decision support system for watershed management	Dr. R.C. Goyal	-
10.	2008	Ramdasi Sanmit Suresh	Design & development of data marts for household amenities from census data (Maharashtra)	Dr. S.D. Sharma	-
11.	2009	Rakesh Kumar Meshram	Information system for varietal experiments (ISVE)	Dr. V.K. Mahajan	-
12.	2009	Ramjilal Sharma	Online information system for inter-cropping experiments (OISIE)	Dr. I.C. Sethi	-
13	2009	Robin Singh	Software for online analysis of split-plot designs	Sh. H.S. Sikarwar	-
14.	2009	Ashutosh Karna	Software for fitting of distributions	Dr. R.C. Goyal	-
15.	2009	Ragini Singh	Development of statistical package for analysis of cropping system experiments	Dr. I.C. Sethi	-
16.	2009	Sarita Patle	Web based software for estimation of regression coefficient	Dr. V.K. Mahajan	-



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
17.	2009	Amreshsing Ashoksing Rajput	Development of decision support system for surface runoff estimation	Dr. P.K. Malhotra	
18.	2009	Mali Snehal Sukhadev	Development of decision support system for sprinkler irrigation system (SISD)	Dr. R.C. Goyal	-
19.	2010	Sazia Siddique	Software for multivariate analysis of variance for general block design	Dr. P.K. Malhotra	-
20.	2010	Manoranjan Das	Building and querying soil ontology for agriculture	Dr. P.K. Malhotra	-
21.	2010	Debasis Dutta	Design and development of data mart for consumption expenditure survey data	Dr. V.K. Mahajan	-
22.	2010	Nishikant Pareshwar Taksande	Development of web based software for generation and analysis of partial diallel crosses	Ms. Anu Sharma	-
23.	2011	Jai Prakash Srivastava	Development of software for cropping system experiments	Sh. H.S. Sikarwar	-
24.	2011	Arijit Saha	Ontologies based expert system for maize	Dr. Sudeep Marwaha	-
25.	2011	AKM Samimul Alam	Web based software development for computation of total factor productivity	Dr. Rajni Jain	-
26.	2011	Monojit Saha	Strengthening expert system for extension using crop forewarning models	Dr. R.C. Goyal	-
27.	2011	Mrityunjoy Mandol	Software package for knowledge extraction from agricultural field experiments	Sh. H.S. Sikarwar	-
28.	2011	Maedeh Zirak Javanmard	Web based fuzzy C-means clustering software	Dr. Alka Arora	-
29.	2011	Satma M.C.	Online rule generation software using decision tree classifier	Dr. Rajni Jain	-
30.	2012	Inderjeet Singh Walia	Software for the Online Analysis of Row-Column Design	Dr. PK Malhotra	-
31.	2012	Sahi Ram	Expert System for Rapeseed-Mustard Crop	Dr. Sudeep Marwaha	-
32.	2012	Rakesh Kumar Ranjan	Development of Software for Back Propagation Neural Network with Weight Decay Algorithm	Ms. Anu Sharma	-
33.	2012	Sreekumar Biswas	Building and Querying Ontology for Agriculturally Important Microbes	Dr. Sudeep Marwaha	-
34.	2012	Chandan Kumar Deb	Building Soil Ontology up to Soil Series	Dr. P.K. Malhotra	-
35.	2013	M. Rajeshwar Singh	Web based software for feature selection using rough theory	Dr. Rajni Jain	-



S. No.	Year	Name of the Student	Thesis Title	Chairperson	Award/ Distinction
36.	2013	Suvajit Das	Online decision tree classification using C4.5 algorithm	Ms. Shashi Dahiya	-
37.	2013	Sarita Kumari	Development of online software for computation of Malmquist index	Dr. Alka Arora	-
38.	2013	Kamalika Nath	Expert system on solanaceous crops under protected cultivation	Dr. Sudeep Marwaha	-
39.	2013	Tanuj Misra	Non-destructive phenotyping of rice plant through image analysis	Guide: Dr. P.K. Malhotra	-
40.	2014	Sanchita Naha	Recommender System for Crop Variety Selection	Dr. Sudeep Marwaha	-
41.	2014	Linkon Kumar Saha	Information Module on Integrated Pest Management for AGRIdaksh	Dr. Alka Arora	-
42.	2015	Surchand Mayanglambam	Software for Agricultural Productivity Analysis	Dr. Rajni Jain	-
43.	2015	Niranjan Nayak	Development of a Web Enabled System for Estimation of Canal Water Availability in a Selected Area	Dr. Alka Arora	-
44.	2015	Saravanakumar R.	Web Based Application for Apportioning Temporal Data at District Level	Dr. Rajni Jain	-
45.	2015	Mayanglambam Subashchandra Singh	Online Software for Forewarning of Onion Thrips	Dr. Alka Arora	-
46.	2015	Ipshita Roy Chowdhury	Web Based Tool for Interpolation of Climate Data	Dr. Anshu Bharadwaj	-
47.	2015	Murari Kumar	Developing Agents for Bibliographic Data Retrieval St	Mohammad Samir Farooqi	-
48.	2015	P.N. Somana	A Web Based Information System for Agricultural Equipment and Products	Mr. Shah Nawazul Islam	-
49.	2015	Sanober Alam	Development of Distributed Framework for Crop Protection	Mr. Shah Nawzul Islam	-
50.	2016	Md Ashraful Haque	Mobile Application for Information Retrieval on Pest and Disease in Crops	Dr. Sudeep Marwaha	-
51.	2016	Shabana Begum	Web based Information System of GroundWater Resources	Dr. Rajni Jain	-
52.	2016	Parvez Mallick	Mobile Application for Plant Quarantine Regulations to Import in India	Dr. A.K. Choubey	-
53.	2016	Sonica Priyadarshini	Mobile Application for Chlorophyll Content Estimation in Rice	Dr. Alka Arora	-

### Foreign Students Awarded Degree

S. No.	Year	Name of the Foreign Student	Thesis Title	Chairperson	Country
1	2011	Maedeh Zirak Javanmard	Web based fuzzy C-means clustering software	Dr. Alka Arora	Iran



### Training Courses/Winter/Summer School/Workshop Organized

S. No.	Year	Title of Training Programme	Number of Trainees	Name(s) of the Course Director and Co-ordinators
1	2007	Development of Web Applications for Knowledge Dissemination in Agriculture	16	Mohammad Samir Farooqi
2	2008	Programme under Centre of Advanced Studies in Agricultural Statistics and Computer Applications	19	Dr. Sudeep Marwaha
3	2008	Data mining in agriculture	16	Dr. Anshu Bhradwaj
4	2009	Programme under Centre of Advanced Faculty Training	14	Sh. S.B. Lal
5	2009	Applications of Information Technology in Statistical Computing and Data Dissemination Techniques	13	Dr. R.C. Goyal
6	2009	Special training programme on financial matters for the officials of ICAR Hqrs.	25	
7	2010	Development of Expert Systems in Agriculture	21	Dr. Sudeep Marwaha
8	2010	A part time two days special computer training programme	30	Ms. Shashi Dahiya
9	2010	Two days special computer training programme	50	Ms. Shashi Dahiya
10	2011	Biometrics in Agriculture	24	Sh. S.B. Lal
11	2011	Online Content Creation and Management in an e-Learning Environment	16	Mrs. Shashi Dahiya
12	2011	Data Mining Techniques and Tools for Knowledge Discovery in Agricultural Database	23	Dr. Alka Arora
13	2012	Development of Expert System through	21	Dr. Sudeep Marwaha
14	2012	Sensitization programme under the project Strengthening Statistical Computing for NARS	14	Sh. Samir Farooqi
15	2012	Website Development and Hosting for Technical Personnel of ICAR	24	Sh. Pal Singh
16	2013	Computational and Statistical Advances in Bioinformatics for 'Omics' Data	23	Sh. S.B. Lal
17	2013	Winter School on Development of Web Application for Agricultural Information Management	20	Dr. Alka Arora
18	2014	Agricultural Web Applications Development using Content Management Tools	16	Dr. Mukesh Kumar
19	2014	High Performance Computing with the collaboration of C-DAC, Pune	20	Sh. K.K. Chaturvedi
20	2014	Six Modules of SAS Software Coordinator	20	Md. Samir Farooqi
21	2014	Post ICAR-ERP Implementation	10	Dr. A.K. Choubey
22	2014	Knowledge Enhancement Session	20	Dr. N.S. Rao
23	2014	MIS/FMS Solution by IBM	50	Dr. N.S. Rao
24	2014	Post Go-Live Knowledge Enhancement Session for MIS/FMS Solution	67	Dr. Anshu Bharadwaj
25	2014	Post Go-Live Knowledge Enhancement Session for MIS/FMS Solution	4616	Dr. Alka Arora
26	2014	Post Go-Live Knowledge Enhancement Session for MIS/FMS Solution	35	Dr. Anshu Bharadwaj



S. No.	Year	Title of Training Programme	Number of Trainees	Name(s) of the Course Director and Co-ordinators
27	2014	Post Go-Live Knowledge Enhancement Session for MIS/FMS Solution	27	Dr. A.K. Choubey
28	2014	Post Go-Live Knowledge Enhancement Session for MIS/FMS Solution	28	Dr. Mukesh Kumar
29	2014	Office Automation using Oracle ERP for Technical Personnels of ICAR	22	Dr. Sudeep Marwaha
30	2014	Office Automation using Oracle ERP for Technical Personnels of ICAR	22	Dr. Alka Arora
31	2015	Application of Computer Algorithms and Statistical Software Packages in Agriculture	25	Dr. Sangeeta Ahuja
32	2015	Training programmes for the MIS-FMS project with main focus on payroll	20	Dr. Sangeeta Ahuja
33	2015	Training programmes for the MIS-FMS project with main focus on payroll	24	Dr. Sangeeta Ahuja
34	2015	Training programmes for the MIS-FMS project with main focus on payroll	20	Dr. Sangeeta Ahuja
35	2015	Training programme for Payroll and HR module under MIS/FMS project	18	Sh. S.N. Islam
36	2015	Training programmes on Assets, Annual Account and Store under ICAR-ERP	21	Dr. Mukesh Kumar
37	2015	Training programme on Payroll and HR module	24	Dr. Mukesh Kumar
38	2015	Training programmes on Payroll and HR module	34	Dr. Anshu Bharadwaj
39	2015	Finance Module of MIS-FMS	36	Dr. Mukesh Kumar

### Training Received by the Faculty Members

S. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
1	2010	Sh. S.N. Islam	Training Programme on Entrepreneurship Development under Sustainable Farming System	25 May to 14 June, 2009	ICAR Research Complex for NEH Region, Sikkim Centre, Tadong, Gangtok
2	2010	Md. Samir Farooqi	Training Programme on Procurement Related Matters and Financial Management	12-13 August, 2009	NAIP held at NASC Complex
3	2010	Dr. P.K. Malhotra	Special Training Programme for Vigilance Officers of ICAR Institutes	22-24 February, 2010	IISR, Cullicut
4	2010	Dr. Alka Arora	Hands-on Training and Orientation Program held on Drupal	9-12 March, 2010	DIPA, ICAR, New Delhi
5	2010	Mrs. Shashi Dahiya	Hands-on Training and Orientation Program held on Drupal	9-12 March, 2010	DIPA, ICAR, New Delhi
6	2011	Sh. S.B. Lal	International training programme on Crop Science Bioinformatics	15 March to 14 June, 2010	Iowa State University, Iowa, USA



S. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
7	2011	Smt. Anu Sharma	International training programme on Crop Science Bioinformatics	15 March to 14 June, 2010	Iowa State University, Iowa, USA
8	2011	Dr. Anshu Bharadwaj	International Training Course in Geoinformation Science and Earth Observation - Principles and Applications of Remote Sensing and GIS	23 September 2010 to 17 December, 2010	ITC, Faculty for Geo-Information Science and Earth Observation, University of Twente, Hengelosestraat, Netherlands, under NAIP
9	2012	Dr. Sudeep	Workshop on Garuda-NKN meet	16-16 July, 2011	CDAC, Bangalore
10	2012	Dr. Alka Arora	National Consultation on Gender Perspective in Agriculture	8-9 August, 2011	NASC Complex, New Delhi
11	2012	Sh. Pal Singh	Workshop on Introduction of Web Application Security	17 August, 2011	Indian Computer Emergency Response Team (CERT-in), Department of Information Technology, CGO Complex, New Delhi
12	2012	Sh. S.N. Islam	50th Workshop of Wheat & Barley	01-04 September, 2011	NASC Complex, New Delhi
13	2012	Sh. Pal Singh	Workshop on Targeted Attacks & Mitigation held at Indian Computer Emergency Team (CERT-in)	04 November, 2011	NASC Complex, New Delhi
14	2012	S.B. Lal	Interaction Meet with Scientists Trained Abroad & Impact Assessment of International Trainings in Frontier Areas of Agricultural Sciences	28-30 November, 2011	NASC Complex, New Delhi
15	2012	Anu Sharma	Interaction Meet with Scientists Trained Abroad & Impact Assessment of International Trainings in Frontier Areas of Agricultural Sciences	28-30 November, 2011	NASC Complex, New Delhi
16	2012	Dr. P.K. Malhotra	15th National Conference on e-Governance	09-10 February, 2012	Bhubaneshwar
17	2012	Dr. Alka Arora	Meeting for e-course evaluation for the IT in Dairy Industry as external evaluator	12-13 March, 2012	NDRI, Karnal
18	2012	S.B. Lal	Training on Computational Genome Analysis using ANVAYA	22-24 June, 2011	IASRI, New Delhi
19	2012	Md. Sameer Farooqi	training on Computational Genome Analysis using ANVAYA	22-24 June, 2011	IASRI, New Delhi



S. No.	Year	Name of the Faculty Member	Name of the Training	Duration	Institution
20	2013	S.N. Islam	Training on Practical approach on Networking	11-15 April, 2012	IIT, Kanpur
21	2014	Dr. Yogesh Gautam	21 days Summer School on Decision Support Systems in Agriculture using Quantitative Techniques	02-22 August, 2013	NCAP, New Delhi

### Awards Conferred on the Faculty Members

S. No.	Year	Name of the Faculty Member	Name of Award Received	Institution which Gave the Award
1	2008	Sh. K.K. Chaturvedi	Scientist of the Year Award	Society for Recent Development in Agriculture
2	2011	Dr. Sudeep Marwaha	Achievement Award	5 <sup>th</sup> Indian International Conference on Artificial Intelligence (IICA-11)
3	2011	Dr. Alka Arora	Achievement Award	5 <sup>th</sup> Indian International Conference on Artificial Intelligence (IICA-11)
4	2014	Dr. Alka Arora	Best Paper Award	68 <sup>th</sup> Annual Conference of ISAS
5	2014	Sh. K.K. Chaturvedi	Fellowship Award	Society of Scientific Development in Agriculture and Technology, Meerut
6	2015	Dr. Alka Arora	Active participation Award Women Member	Computer Society of India, Delhi

### List of Publications (Faculty and Students)

S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
1	Islam, Shahnawazul, Agarwal, Hari Om and Farooqi, Samir	2007	Need of a new revolution in agriculture. Agril. Situation India	<i>Special Number: How to Bring About a Second Green Revolution in India</i> 51-53	-	-
2	Marwaha, Sudeep and Bedi, Punam	2007	Temporal extension to OWL ontologies	<i>Int. J. Info. Tech.</i> 4(1): 53-60	-	-
3	Nilakanta, Sree, Scheibes, Kevin and Rai, Anil	2007	Dimensional issues in agricultural data warehouse design	<i>Comp. Elect. Agric</i> 60(2): 263-278	7.89	-
4	Rai, Anil, Malhotra, P.K., Sharma, S.D. and Chaturvedi, K.K.	2007	Data warehousing for agricultural research - An integrated approach for decision making	<i>J. Ind. Soc. Agril. Statist.</i> 61(2): 264-273	5.46	-
5	Ahuja, Sangeeta, Malhotra, P.K., Bhatia, V.K. and Parsad, Rajender	2008	Statistical package for agricultural research (SPAR 2.0)	<i>J. Ind. Soc. Agril. Statist.</i> 62(1): 65-74	5.46	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
6	Arora, Alka, Sharma, S.D., Malhotra, P.K. and Goyal, R.C.	2008	Agricultural statistician network (ASN)	<i>J. Ind. Soc. Agril. Statist.</i> 62(1): 49-55	5.46	-
7	Chaturvedi, K.K., Rai, Anil, Dubey, Vipin and Malhotra, P.K.	2008	Online analytical processing in agriculture using multi-dimensional cubes	<i>J. Ind. Soc. Agril. Statist.</i> 62(1): 56-64	5.46	-
8	Dahiya, Shashi, Vats, M.R., Dixit, Anshu and Sehgal, D.K.	2008	A web based information system for long term fertilizer experiments in India	<i>J. Ind. Soc. Agril. Statist.</i> 62(3): 76-82	5.46	-
9	Jha, Iti, Deb, Dibyendu, Malhotra, P.K., Parsad, Rajender, Bhatia, V.K. and Ahuja, Sangeeta	2008	AMMI, SREG and FREG models for stability analysis in SPAR 2.0	<i>J. Ind. Soc. Agril. Statist.</i> 62(3): 283-288	5.46	-
10	Rai, Anil, Dubey, Vipin, Chaturvedi, K.K. and Malhotra, P.K.	2008	Design and development of data mart for animal resources	<i>Comp. Electron. Agric.</i>	7.89	-
11	Upadhyaya, Shuchita, Arora, Alka and Jain Rajni	2008	Deriving cluster knowledge using rough set theory	<i>J. Theo. and Appl. Info. Tech.</i> 4(8): 688-696	-	-
12	Arora, Alka, Upadhyaya, Shuchita, Jain, Rajni	2009	Post processing of clusters for pattern discovery: Rough set approach	<i>J. Ind. Soc. Agril. Statist.</i> 63(2): 181-188	5.46	-
13	Arora, Alka, Upadhyaya, Shuchita and Jain, Rajni	2009	Integrated approach of reduct and clustering for mining patterns from clusters	<i>Info. Tech. J.</i> 8(2): 173-180	-	-
14	Jain, R., Minz, S. and Ramasubramanian V.	2009	Machine learning for fore-warning crop diseases	<i>J. Ind. Soc. Agril. Statist.</i> 63(1): 97-107	5.46	-
15	Jain, Rajni, Arora, Alka and Raju, S.S.	2009	A novel adoption index of selected agricultural technologies: Linkages with infrastructure and productivity	<i>Agric. Eco. Res. Rev.</i> 22: 109-120	5.9	-
16	Sharma, Anu, Varghese, Cini and Rao, A.R.	2009	Software for the analysis of repeated measurements designs	<i>Ind. J. Anim. Sci.</i> 79(4): 445-448	6.17	-
17	Bharadwaj, Anshu, Dahiya, Shashi and Jain, Rajni	2012	Discretization based SVM model for classification of agricultural datasets	<i>Int. J. Comm. Appl.</i> 40(1): 8-12	3.12	-
18	Farooqi, Samir, Arora, Alka, Dahiya, Shashi, Rai, Anil and Singh, Balbir	2011	PERMI Snet-II: Personnel Management Information System Network-II for the Indian Council of Agricultural Research	<i>J. Ind. Soc. Agril. Statist.</i> 65(1): 105-113	5.46	-





S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
19	Islam, S.N., Khan, M.A., Kakani, R.K., Krishna Kant, Aishwath, O.P. and Anwer, M.M.	2011	Expert system for effective selection of seed spices varieties	<i>Int. J. Seed Spices</i> 1: 88-94	3.91	-
20	Islam, S.N., Kundu, Sushila, Shoran, Jag, Sabir, Naved, Sharma, Kirti, Farooqi, Samir, Singh, Randhir, Agarwal, Hari Om, Chaturvedi, K.K., Sharma R.K. and Sharma, A.K.	2012	Selection of wheat ( <i>Triticum aestivum</i> ) variety from expert system on wheat	<i>Ind. J. Agril. Sci.</i> 82(1): 39-43	2.60	-
21	Lal, S.B. and Sharma, Anu	2012	SSDA - A window based software for survey data analysis	<i>Int. J. Phy. Soc. Sci.</i> 2(4): 381-389	-	-
22	Ahuja, S. and Dhanya, C.		Regionalization of rainfall using RCDA cluster ensemble algorithm in India	<i>J. Software Engg. Appl.</i> 5(8): 568-573	1.17	-
23	Ahuja, S.	2012	Regionalization of river basins using cluster ensemble	<i>J. Water Resour. Prot.</i> 4: 560-566	.98	-
24	Bharadwaj, Anshu and Minz, Sonajharia		Hybrid approach for classification using support vector machine and decision tree	<i>Int. J. Adv. Comp. Sci. Appl.</i> 2(3): 72-76	.46	-
25	Dahiya, Shashi, Jaggi, Seema, Chaturvedi, K.K., Bharadwaj, Anshu, Goyal, R.C. and Varghese, Cini	2012	An eLearning system for agricultural education	<i>Ind. Res. J. Ext. Edu.</i> 12(3): 132-135	4.81	-
26	Das, Manoranjan, Malhotra, P.K., Marwaha, Sudeep and Pandey, R.N.	2012	Building and querying soil ontology	<i>J. Ind. Soc. Agril. Statist</i> 66(3): 459-464	5.46	-
27	Gautam, Y., Marwaha, S., Singh, Pal and Shirur, M.	2012	Web based expert system on mushroom cultivation	<i>Ind. J. Mushrooms</i> 30(1): 34-38	3.00	-
28	Yadav, V.K., Sudeep, Kumar, Sangit, Kumar, P., Kaul, Jyoti, Parihar, C.M. and Supriya, P.	2012	Maize Agridaksh: A farmer friendly device	<i>Ind. Res. J. Ext. Edu.</i> 12(3): 13-17	4.81	-
29	Dahiya, Shashi, Chaturvedi, K.K., Jaggi, Seema, Bharadwaj, Anshu and Varghese, Cini	2012	A digital education initiative in agriculture	<i>J. Farm. Sys. Res. Dev.</i> 18(2): 175-179	-	-
30	Farooqi, Samir, Sanjukta, R.K., Mishra, D.C., Singh, D.P., Rai, Anil, Chaturvedi, K.K., Kumar, Anil, Panwar, Sanjeev and Sharma, Naveen	2013	Statistical and computational methods for detection of synonymous codon usage pattern and gene expression	<i>Int. J. Agril. Statist. Sci.</i> 9(1): 303-310	.16	-



S. No.	Authors	Year	Title	Journal and Volume	NAAS Rating	Citation Index
31	Islam, S.N., Dhar, Shiva and Sharma, Kirti	2013	Appropriate cultural practices for growing wheat using expert system	<i>Ann. Agril. Res.</i> 34(4): 380-389	4.01	-
32	Jain, Rajni and Arora, Alka	2013	Approach for mining multiple patterns from clusters	<i>J. Ind. Soc. Agril. Statist.</i> 67(1): 33-42	5.46	-
33	Sharma, Anu, Lal, S.B., Mishra, D.C., Srivastava, Sudhir and Rai, Anil	2013	A web based software for synonymous codon usage indices	<i>Int. J. Info. and Computation Technology</i> 3(3): 147-152	-	-
34	Sharma, Anu, Rai, Anil and Lal, S.B.	2013	Workflow management systems for gene sequence analysis and evolutionary studies - A review	<i>Bioinformatics</i> 9(13): 303-310	.6	-
35	Sharma, Anu, Varghese, Cini and Jaggi, Seema	2013	WS-PBIBD - A web solution for partially balanced incomplete block experimental designs	<i>Comp. Electron. Agril.</i> 99: 132-134	7.89	-
36	Singh, Ravindran, Katiyar, Vijay Kumar and Islam, Shahnawazul	2013	Selecting barley variety through expert system	<i>Int. J. Engg. Innovative Tech.</i> 99: 132-134	-	-
37	Sudeep, Bedi, Punam and Yadav, V.K.	2013	Diseases and pests identification in maize – A multilingual Scenario	<i>J. Ind. Soc. Agril. Statist.</i> 67(1): 107-120	5.46	-
38	Singh, V.B. and Chaturvedi, K.K.	2013	Bug prediction using entropy based measures	<i>Int. J. Knowledge Engg. Data Mining</i> 2(4): 266-291	-	-
39	Lal, S.B., Sharma, A., Chandra, H. and Rai, A.	2014	Web based sample selection for survey data	<i>J. Ind. Soc. Agril. Statist.</i> 68(1): 101-108	5.46	-
40	Singh, V.B., Chaturvedi, K.K., Khatri, S.K. and Kumar, V.	2014	Bug prediction modeling using complexity of code changes	<i>Int. J. Sys Assurance Engg. Manage</i> DOI: 10.1007/s13198-014-0242-5	-	-
41	Arora, Alka and Jain, Rajni	2014	Machine learning for diagnosis of soybean diseases	<i>Soybean Res.</i> 12 (Special Issue No. 2): 256-262	-	-
42	Das Manoranjan, Malhotra P.K., Marwaha, Sudeep and Pandey R.N.	2014	Web based software for the study of USDA soil taxonomy and classification of newly found soil	<i>Ind. J. Agril. Sci.</i> 84(9): 1088-1090	6.17	-
43	Farooqi, Samir, Sanjukta, R.K., Mishra, Dwijesh Chandra, Singh, Dhananjaya Pratap, Rai, Anil and Chaturvedi, Krishna Kumar	2014	In silico analysis of synonymous codon usage pattern of <i>Rhizobium etli</i> CFN 42	<i>Proc. Nat. Acad. Sci., India, Sect. B Biol. Sci.</i> DOI: 10.1007/s40011-014-0457-x	-	-



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44	Goyal, R.C., Arora, Alka, Marwaha, Sudeep, Malhotra, P.K., Grover, Rajni B. and Alam, A.K.M. Samimul	2014	Online progress monitoring of Agricultural Scientists: e Initiative	<i>J. Ind. Soc. Agril. Statist.</i> 68(3): 419-427	5.46	-
45	Marwaha, Sudeep, Goyal, R.C., Arora, Alka, Veeranjanyulu, K., Grover, Rajni, Dahiya, Rama	2014	NISAGENET: Decision support system on agricultural education in NARES	<i>Ind. J. Agril. Lib. Info. Services</i> 30(2): 6-13	-	-
46	Sharma, Naveen, Farooqi, Samir, Chaturvedi, Krishna Kumar, Lal, Shashi Bhushan, Grover, Monendra, Rai, Anil and Pandey, Pankaj	2014	The Halophile protein database	<i>Oxford J.</i> DOI: 10.1093/database/bau114	-	-

## Faculty Profile

### Professors

S. No.	Name	Period
1	Dr. P.K. Malhotra	2007-2014
2.	Dr. Seema Jaggi	2014-2016
3.	Dr. Sudeep Marwaha	2016-till date

### Faculty Members

S. No.	Name of Faculty	h-Index	i10-Index
1	Dr. Sudeep Marwaha	5	-
2.	Dr. Anjani Kumar Choubey	1	-
3.	Dr. Rajni Jain	6	-
4.	Dr. Alka Arora	4	-
5.	Dr. Mukesh Kumar	3	-
6.	Dr. N. Srinivasa Rao	3	-
7.	Dr. A.K. Mishra	-	-
8.	Mrs. Shashi Dahiya	-	-
9.	Md. Samir Farooqi	4	-



S. No.	Name of Faculty	h-Index	i10-Index
10.	Dr. K.K. Chaturvedi	5	-
11.	Ms. Anu Sharma	3	-
12.	Sh. S.N. Islam	2	-
13.	Dr. S.B. Lal	1	-
14.	Dr. Anshu Bharadwaj	-	-
15.	Dr. Sangeeta Ahuja	-	-
16.	Sh. Pal Singh	-	-
17.	Ms. Shaloo	-	-



