

Bio-Data

Dr. Ram Swaroop Meena, FNASC.; FNAAS; FNABS, FISA, FSRMR; PDF-USA (Raman Fellowship, GOI); Ex-INSA Visiting Scientist at IRRI-ISARC; NCERT-Expert

Associate Professor

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Google Scholar ResearchGate

<https://scholar.google.co.in/citations?user=3azj2Z0AAAAJ&hl=en>

https://www.researchgate.net/profile/Ram_Swaroop_Meena2



Dr. Ram Swaroop Meena was born in a farmer's family and is working as an Associate Professor in the Department of Agronomy, Institute of Agricultural Sciences, BHU, Varanasi (UP). Dr. Meena has secured first division in all the classes with triple NET, JRF, and SRF from the ICAR, and RGNF Awardee from the UGC, GOI. With an excellent academic background, he has been elected as a FNASC., FNAAS, FNABS, FISA, FSRMR and several academies, and has been awarded the Raman Fellowship by the Ministry of Education for the USA, an INSA visiting scientist at IRRI, and listed among the world's 2% scientists for his career. He guided 10 PhD and 29 master's, and he has over 15 years of research and teaching experience at the undergraduate/postgraduate/PhD. level. . He ranks 8th out of 100 Indian scientists in forestry and agricultural sciences according to the AD (Alper-Doger) scientific index at the global level. Dr. Meena is a member of various National and International Research Committees. He has completed his postdoctoral research on soil carbon sequestration, under the World Food Prize 2020, and the Nobel Prize in Contribution 2007 laureate, Padma Shri Prof. Rattan Lal, distinguished scientist, and Director at the Prof. Rattan Lal Centre for Carbon Management and Sequestration Centre (CMASC), The Ohio State University, USA. Dr. Meena is working on soil sustainability, crop productivity, soil Carbon stability, carbon credit, regenerative agriculture, circular economy, and resource use efficiency in the current climatic era. He has experience with 10 externally funded projects as PI/Co-PI, including those sponsored by IoE, BHU, SERB-DST, ICAR, and MOE, GOI. He has the right to one patent on low-cost biochar preparation.

Dr. Meena has published more than 130 international research and review papers in peer-reviewed, reputable journals, with an H-index of 77, an I-10 index of 228, and citations exceeding 18, 000, resulting in a total impact factor of 498.37, with a highest impact factor of 16.3 and an average impact factor of 3.9. He has published 4 books at the national level and 30 at the international level (Springer, Elsevier, etc.). He contributed 15 chapters at the national level and 70 at the international level. He is involved in many academic and administrative activities at the institute/university level. He was key in developing the Institute of Agricultural Sciences, BHU's UG online tabulation program. He has worked as an expert in the National Council of Educational Research and Training (NCERT), MHRD, GOI, to develop two books for school education at XI and XII standards. Dr. Meena has been awarded several honours, including Young Scientist, Best Article, Young Faculty, Global Research, Excellence in Research, and the Honourable Faculty Award. Dr. Meena is a member of 9 reputed national and international societies and is working as a general secretary, editor, and member of the editorial board in 12 national and international peer-reviewed journals and has attended several national and international conferences in the country and abroad. Dr. Meena contributed to the agricultural extension activities in the "Honourable Prime Minister of India" villages and worked for 1,500 farmers in three villages in the mid-forest-tribes of Sonbhadra district a coordinator in trainings, meetings, workshops, and farmers' fairs. His future target is to reduce soil organic carbon oxidation and enhance stability in agroecosystems, benefiting farmers through carbon credits.

AWARDS:

1. Prof Rattal Lal Award for Excellence for Regenerative Agriculture (Technology Individual), sponsored by IISS (Bhopal), Solidaridad (Netherlands), and the Nico Roozen International Centre of Excellence for Regenerative Agriculture in 2025
2. Awarded with the prestigious ICAR-NAAS fellow by the National Academy of Agricultural Sciences, 2023 <http://naas.org.in/detail.php?id=831>
3. Indian National Science Academy (INSA), Visiting Scientist Program, 2023-24 at International Rice Research Institute (IRRI), ISARC, Varanasi-221004
4. Fellow National Academy of Biological Sciences (FNABS), Chennai – 600 025, Tamil Nadu, India
5. ICAR-Fellow Society for Rapeseed-Mustard Research, Bharatpur, India, 2024
6. Listed in the top 2% of scientists worldwide in the Stanford University, USA report published by Elsevier on 10th October 2022. <https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/4>
7. Listed under the 2023 World Top 100 Scientist in Agriculture and Forestry in India at 8th rank https://www.adscientificindex.com/top-100-scientist/?tit=Agriculture+%26+Forestry&con=&country_code=in&subject=
8. Young Scientist Award, 2019. Hindustan Agricultural Research Welfare Society Agar (UP), Certified id YSA/06/2019
9. Fellow -HARWS. 2019. Hindustan Agricultural Research Welfare Society Agar (UP), Certified id HARWSF/10/2019
10. Best Teacher Award.2020. Hindustan Agricultural Research Welfare Society Agar (UP),
11. Young Scientist Award (Agronomy) 2015. Venus International Foundation. Centre for advanced research and design. Chennai Tamil Nadu, NC 210 VIFRA 1306.
12. The book "Ecological Intensification of Natural Resources for Sustainable Agriculture" is ranked 11th in USA  Forbes, CNN, INC, etc., which ranks based on the best books in the world recommendations by leading experts.
13. Award for Excellence in Research 2016. Faculty Branding Award, Education Expo TV (EET). Greater Noida-201308, (Delhi NCR) UP, India
14. National Research Awarded. 2016. Global Management Council, Ahmadabad, Gujarat, India.
15. Raman Fellow, MHRD, Government of India. 2016
16. "Marvelous Personality of India 2017" in Academic Chapter. Marvellous Record book of India
17. Honorable Faculty Award, EET CRS 5th Science & Technology Awards-17

18. Young Faculty branding award 2017, Faculty Branding Award, Education Expo TV (EET). Greater Noida-201308, (Delhi NCR) UP, India
19. Mahima Research Foundation and Social welfare Award for Agricultural Excellence Scientist 2020.
20. **Best Article Award 2020** on the Invited Article (Freely published and wave off 1800 CHF= ~ 1.5 lakh INR): Award certificate + **Cash Prize 600 USD** + one free article in any next issues wave off 1800 CHF.

Awarded Article: *Meena, R. S., Kumar, S., Datta, R., Lal, R., Vijayakumar, V., Britnicky, M., Sharma, M. P., Singh, G.S., Jahariya, M. K., Jangir, C.K., Pathan, S.I., Dokulilova, P. V. and Marfo, T.D. 2020. Impact of Agrochemicals on Soil Microbiota and Management: A Review. *Land* DOI:10.3390/land9020034 **NAAS rating 9.4 (Impact Factor 3.4)**

Details:

Father's Name : Shri Tulsi Ram Meena

Mother's Name : Smt. Kishani Devi

Permanent Address : VPO. Harsana Th.
Laxmangarh
Distt. Alwar, Rajsthan, Pin-
321 607, India

Marital status/Children's : Married /Two

Languages : Hindi, English

Date of Birth : 19 May, 1977

Educational Qualifications:

Exam/Degree/ Diploma	Institute/Board/ University	Years	Subjects	Divisions
10+2	RBSE, Ajmer	1997	Agriculture	First
Vet. Comp. (LSA)	Directorate of A&H, Jaipur	2001	Animal and Husbandry	First
B.Sc. (Hons.)	SKRAU, Bikaner	2003	Agriculture	First
M. Sc. (Ag.)	SKRAU, Bikaner	2005	Agronomy	First
Ph.D. (Ag.)	SKRAU, Bikaner	2012	Agronomy	First
PDF	C-MASC, OH, USA	2017	Soil Science	—
NET	ASRB (ICAR), New Delhi	2006	Agronomy	---
NET	ASRB (ICAR), New Delhi	2007	Agronomy	---
NET	ASRB (ICAR), New Delhi	2009	Agronomy	---

Degree	Subject	Title of the thesis
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M.Sc. (Ag.)	Agronomy	“Effect of Organic and Inorganic Sources of Nutrients on Growth, Yield and Quality of Mungbean [<i>Vigna radiata</i> (L.)]”
Ph.D. (Ag.)	Agronomy	“Effect of Different Growing Environments and Fertility Levels on Various Agronomic Traits of Two Varieties of Groundnut”
Post-Doctoral	Soil Science	Carbon sequestration and climate change mitigation

Award Education	in Year	Organization
JRF	2003	Junior Research Fellowship (JRF), Indian Council of Agricultural Research, New Delhi
SRF	2008	Senior Research Fellowship (SRF), National Academy of Agricultural Research Management (ICAR) Hyderabad
UGC SRF	2009	Govt. of India and U.G.C. to award Rajiv Gandhi National Fellowship (RGNF)

DETAILS OF EXPERIENCE:

S.NO.	Post held	Period		Nature of duties	Employer
		From	To		
1.	RAWE Scholar B.Sc. (Ag. Hons)	January, 2003	June, 2003	Rural Agriculture Work Experience	SKN, College of Agriculture Jobner (Raj.)
2.	Technical Assistant	29.08.2005	22.08.2008	With the project Management of aromatic and Medicinal plants at Srinagar, Yarikha (Gulmarg) and Pulmawan	Indian Institute of Integrated Medicine (CSIR) Branch Srinagar (J&K)
3.	Assistant Professor	02/09/2010	02/09/2022	Teaching and research	BHU, (UP)
4.	Associate Professor	03/09/2022	Till date	Teaching and research	

Student Guidance

Supervisor for PhD					
S.No.	Name of Student	Department	Year	Title of the thesis	Award Fellowships/Job
1.	Mr. Ajeet Singh	Agronomy	Awarded 2020	Response of irrigation levels and bio-regulators on growth, yield and quality of Indian mustard [<i>Brassica juncea</i> (L.) Czern & Coss]	Assistant Professor, Jobner
2.	Dr. Shushil Kumar	Agronomy	Awarded 2020	Effect of irrigation frequency, nano clay polymer composite and NPKS levels on growth, yield and quality of linseed (<i>Linum usitatissimum</i> L.)	STA, UP Government
3.	Dr. Sunil Kumar	Agronomy	Awarded 2018	Pressmud response to Indian mustard (<i>Brassica juncea</i> L.) and soil health and their residual effect on summer fodder maize (<i>Zea mays</i> L.)	STA, ICAR, GOI
4.	Dr. Gourisankar Pradhan	Agronomy	Awarded 2023	Effect of industrial waste compost, fertilizer levels and bioinoculants on wheat, and their influence on succeeding rice and soil health	BDO, Orissa

5.	Ms. Bhanupriya Pankaj	Agronomy	2019 Enrol	Use of Sludge, crop waste as a nutrient and C source with biochar and AM Fungi in Wheat and its succeeding effects on rice.	Assistant Professor, SKNAU, Jobner
6.	Mr. Ambuj kumar Singh	Agronomy	Submitted, 2025	Assessment of different C sources in Rice-heat cropping system.	UGC, SRF
7.	Mr. Anurag Bera	Agronomy	2022 Enrol	Combined effects of enriched biochar, sludge and mycorrhizal fungi on wheat and their residual effect on rice and soil health	Scientist B Tea Board of India
8.	MS. Suchismita S.	Agronomy	2022 Enrol	Agroecosystem soil carbon and crop productivity analysis Indo-Gangetic plan zones of India	SRF, ICAR
Co-Supervisor for Ph.D.					
9.	Gorav	Agronomy	Awarded 2019	Effect of crop establishment methods and weed management practices on weed and yield of <i>kharif</i> maize (<i>Zea mays</i> L.)	Assistant Professor, SAUB, Bihar
10.	Dinesh kumar Meena	Siddhant Darshan, IMS	Awarded 2024	A study on Guna Karma of katira (<i>Sterculia urens</i> Roxb.) for human health under Agroecological Zones (Desha) of India	Assistant Professor, IMS, BHU
11.	Harshita Nayak	Agronomy	Awarded 2023	Effect of varying rate of NPK and organic sources on growth yield and quality of fodder oat (<i>Avina Sativea</i> L.), and their residual effect on maize fodder under Integrated Farming system.	Assistant Professor, OUT, Bhuvaneswar
Supervised M.Sc. students					
1.	Surendra Kumar	Agroforestry	2013	Effect of different distances from tree and RDF levels on mungbean under guava-based agri-horti system	Agriculture Supervisor, Raj
2.	Dinesh Varma	Agroforestry	2014	Response of mungbean [<i>Vigna radiata</i> (L.) Wilczek] to fertility and lime levels under custard apple (<i>Ammona squamosa</i> L.) based agri- horti system in vindhyan region	Agriculture Supervisor, Raj
3.	Achyutanand Pandey	Agroforestry	2014	Response of sesame (<i>Sesamum indicum</i> L.) to sulphur and lime application under guava (<i>Psidium guajava</i> L.) based agri-horti system in Vindhyan region	Technical officer, UP
4.	Arju Shukla	Co-Supervised Agronomy	2014	Studies on water management and cultivars of boro rice	Ph.D. Scholar, GBPUAT
5.	Hemraj Meena	Agroforestry	2015	Influence of different growing environment and bio-regulators on cluster bean under guava based agri-horti System	Ph.D., Scholar/UGC Fellowship
6.	Shailesh Kumar	Agroforestry	2016	Effect of hydrogel on growth yield and quality of Soybean (<i>Sesamum indicum</i> L.) under guava (<i>Psidium guajava</i> L.) based agri-horti system in Vindhyan region	Horticulture officer
7.	Ankesh kumar	Agronomy	2015	Influence of hydrogel with bio-fertilizer strain on growth yield and quality of soybean (<i>Glycine max</i> L.)	Agriculture field Office
8.	Diya Patel	Agronomy	2017	Response of nanocomposite biopolymers on soil health productivity of Indian mustard	Horticulture officer
9.	Yogesh Vishwakarma	Agroforestry	2017	Legume based rotation role in carbon deposition and yield potential	Bank officer
10.	Tarun Verma	Agronomy	2018	Response of Organic and Inorganic Sources of Nutrients on Growth, Yield and Quality of Mungbean [<i>Vigna radiata</i> (L.)]"	Seed Officer

11.	Pankaj Sharma	Agroforestry	2018	Response of organic fertilizer on mungbean quality under guava (<i>Psidium guajava</i> L.) alley cropping in Vindhyan region	Awarded
12.	Malati Debbarma	Agroforestry	2018	“Effect of Integrated Nutrient Management on Growth, Yield and Quality of Mungbean [<i>Vigna radiata</i> (L.) Wilczek] under Custard Apple (<i>Annona squamosa</i> L.) based Agri-horti system”.	Awarded
13.	Anmbuj	Agronomy	2019	Effect of Crop Residues on grain quality and soil health	SRF, DST
14.	Ashutosh Yadav	Agroforestry	2019	Land use planning under agri-horti system and soil carbon stock in Eastern UP	CSRF, ICAR
15.	Dheer Agnihotri	Agroforestry	2020	Estimation of Nutrient and Carbon stock in land use systems of vidhayan region	FRI, PhD
16.	Birendra Kumar	Agronomy	2020	Effect of different fertility levels on growth and yield of direct seeded rice (<i>Oriza sativa</i> L.) ero till rice for resource use efficiency	NDRI, PhD
17.	Oindrila Roy	Agroforestry	2021	Estimation of nutrients status and carbon stock in different land use systems of vindhyan region	Awarded
18.	Rajkumar Khare	Agronomy	2019	Soil carbon balancing in Integrated Farming System	Awarded
19.	Ms. Kanchan	Agroforestry	2020	Land-use pattern and agroforestry soil properties analysis	Awarded
20.	Ms. Nalini	Agroforestry	2020	Carbon Credit in diversified agroforestry systems	Awarded
21.	Mr. Mithalesh	Agronomy	2020	Different Land Use Systems soil carbon in Eastern Uttar Pradesh	Ongoing
22.	Mr. Kundan	Agronomy	2021	Different Cropping Systems soil carbon and phosphorus fractions in Eastern Uttar Pradesh	Awarded
23.	Ms. Depika	Agronomy	2021	Different land use patterns carbon and phosphorus fractions in Eastern Uttar Pradesh	Awarded
24.	Ms Suruti Jaswal	Agronomy	2024	PSMs and bochar role in rice wheat ecosystem	Awarded
25.	Hansda	Agronomy	2024	Modified biochar role in rice wheat ecosusyem	Awarded
26.	Praneeth	Agroforestry	2024	Ecosystem services in different land use systems	Awarded
27.	Abhimanyu Tiwari	Agroforestry	2022	Agroecosystem Services and Organic Carbon Fractions at Ganga River Bank	Awarded
28.	Rishabh Shhinna	Agronomy	2023	Agronomic approaches and crop diversification impact on farmers' income	Ongoing
29.	Ashraf Mohd.	Agronomy	2024	Different cropping systems impact on soil and yield in Sonbhadra.	Ongoing
Foreign students					
1.	Yubaraj Dhakal (Nepal)	Agronomy	2013	Effect of Integrated Nutrient Management on Growth Yield and Quality of Mungbean [<i>Vigna radiata</i> (L.) Wilczek]	Agronomy Officer, Govt. of Nepal
2.	Mss. Laxmi Bhandari (Nepal)	Agronomy	2018	Effect of different cropping systems on yield and spoil peripheries	Awarded

Administrative responsibility

Positions held/activity	Period		Nature of Responsibility
	From	To	
Tabulator Controller Examination, BHU	2013	2020	Calculate and supervise the results of B.Sc (Ag) students at Controller of Examination BHU. India
Observer and Invigilator, Controller of Examination, BHU	2010	continuing	To observe and supervise university Examination systems, UET and PET Examination BHU, India
Member	2010	continuing	Working with other teachers to decide the

Departmental Teaching Committee			teaching and learning curriculum
Member U.G. and P.G. Admission Committee	2010	continuing	Role in the Admission Process of Students
Member in course design	2011	continuing	Agronomy
Advisor / Mentor	2010	continuing	PG, Ph.D./UG Agronomy and others
Syllabus Design for Sustainable Agriculture	2020	continuing	ASP College, Devrukh (Affiliated to Mumbai University),

8 Projects

S.N.	PI/Co-PI	Project Code	Title	Duration	Funding Agency	Amount	Status
1.	CO-PI	M-21-144	Innovative nano-clay biopolymer composite super-absorbent for enhancing water use efficiency in a rainfed rice-based system	Three years (2016-2018)	ICAR GOI	23,25,000	Completed
2.	CO-PI	IAS/PA/17-18/926	Conduct an agronomic field study with biological products	One year	Novazymes Pvt. Ltd	2,50,000	Completed
3.	CO-PI	ICAR/205/229-2017	Sustainable development, farmers' livelihood and income enhancing under the mission of National Mission on Sustainable Agriculture (NMSA) In Prime Minister of India adopted villages under ("MP's model village scheme").	Three years (2017-2020)	ICAR, GOI	2.5 crores	Completed
4.	PI	EEQ/2017/000394/DST	"Enhancing the productivity and grain quality of rice-wheat system through fertilizers, industrial wastes compost and bioinoculants use	Three years (2018-2020)	SERB, S&T, GOI	29,36,000	Completed
5.	PI	EDU/SOE/2018-19/892	Research Ideology to Enrich the Faculty/Teachers and Institution for the Healthy Food and Environment	7 Month (2019)	MHRD, GOI	3,50,000	Completed
6.	CO-PI	Agr End/10(80)/2019EP & HS ICAR/2019-20	Improving Livelihood Security and Entrepreneurship Opportunities of Tribal Youths in Subhadra District of Eastern Uttar Pradesh	2020-2021	ICAR, GOI	3 crores	Completed
7.	PI	IoE Scheme BHU, MHRD (6031)/RSM 19049	Soil organic carbon restoration action plans and training in the eastern UP agro-ecosystem.	2021-2024	MHRD, GOI	18,00,000	Completed
8.	PI	EEQ/2021/000053/SERB-DST	Designing a Synergetic C/P Stoichiometry Package to Enhance the Soil Passive Organic Carbon Stock and Mineralization of Fixed Phosphorus Pool in the Eastern Plain Zone of Uttar Pradesh	2022-2024	SERB, S&T, GOI	42,65,624	Completed
9.	PI	CRG/2020/001774/SERB-DST	"Use of sludge, crop waste and residue to convert as a nutrient and carbon source for soil health restoration and grain quality with low-cost biochar and <i>mycorrhiza</i> under changing climate"	2022-2024	SERB, S&T, GOI	34,76,210	Completed
10.	PI	M-27/276	Evaluation of FLAMBERGE as a bio-stimulant in Rice and Black gram, and Red gram three different crops	2022-2023	ADAMA Pvt Ltd.	11,68,200	Completed
11.	PI	M-27/295	1. Evaluation of Fomesafen + S-Metolachlor 631.68 EC for weed control in Soybean 2. Evaluation of S-Metolachlor 960 EC for weed control in Green gram	2022-2023	Syngenta Pvt Ltd.	12,98,000	Completed
12.	PI	M-22/598	Evaluating the Impact of Enriched Biochar, Sludge, and Mycorrhizal Fungi in Direct-Seeded Rice on Soil, Yield, and Environment under Rice-Wheat Cropping System	2024-25	IRRI, Philippines	12,80,000	Completed
13.	PI	M-27/0365	Evaluation of Herbicide Imazethapyr 21.82% w/w SL against weed complex in Groundnut and its effect on succeeding crop	2024	ADAMA Pvt Ltd.	8,17,740	Completed
14.	PI	IoE Scheme/TDR-II/2023-24 BHU, MHRD (6031)/RSM 19049	Assessment of Carbon pool in different Land Use Systems in Ester region of UP	2023	BHU, MHRD, GOI	10,00,000	Completed
15.	PI	P-07/1320 DST/SEED/TSP/ST I/2021/595	" Upliftment of scheduled tribes and scheduled caste by ensuring livelihood, food and nutritional security through disseminating innovative technologies in the intensively tribal-dominated area of Sonbhadra in the Vindhyan region of UP."	2024-2027	DST, GOI	1,41,93,852	Running

16.	PI	M-27/0384	Bio-efficacy and phytotoxicity evaluation of Flumioxazin 50% SC and Mesotrione 2.27% w/w + Atrazine 22.7% w/w SC for broad spectrum weed management in Sugarcane (<i>Saccharum officinarum</i>)	2024-2026	Crystal Crop Protection Limited	17,52,300	Running
17.	PI	M-22/0598	Evaluating the Impact of Enriched Biochar, Sludge, and Mycorrhizal Fungi in Direct-Seeded Rice on Soil, Yield, and Environment under Rice-Wheat Cropping System	2024-2025	IRRI Philippines	10,80,000	Running

- ❖ Project Evaluation Expert for Florida University, USA: Proposal Evaluation Form United States-Israel: Binational Agricultural Research and Development Fund (BARD) Grant upto 3.0 Crore
- ❖ Project Evaluation Expert for National Science Centre (NCN). The NCN is a government agency, supervised by the Ministry of Science and Higher Education, set up in 2011 to support basic research in Poland.
- ❖ Project proposal review member in the *Department of Science and Technology (DST)* GOI-SERB, Core grants program for screening of proposals
- ❖ Project Evaluation Expert for Dutch Research Council (NWO) funds Laan van Nieuw Oost-Indië 300, Netherland

INTERNATIONAL FELLOWSHIP/ COLLABORATION IN RESEARCH

Post-Doctoral Fellow (2016-17) in the USA in world renowned lab under [Padma Shri Prof. Rattan Lal](#) [World Food Prize Laureate 2020](#), Director and elected soil science union president of the world, school of natural resources and environment, *CFAES Rattan Lal Center for Carbon Management & Sequestration*, Columbus, OH 43210.

Others collaborate with scientists from Germany, UK, Turkey, Egypt, Bangladesh, Japan, China, Italy, etc.

Patent/Technologies

1. Low-Cost Biochar Combination for Integrated Nutrient Management and Method of Preparation Thereof; Published on Dated 19 June 2020, Application No is 202011018124; www.Ipindia.gov.in
Link: - http://www.ipindia.nic.in/writereaddata/Portal/IPOJournal/1_4879_1/Part-1.pdf
2. ICAR Recommended Technology on IFS Model for Uttar Pradesh under AICRP-IFS-Technology-2023-2025.

LIST OF PUBLICATIONS

Total Impact Factor 428.35, with the highest 16.0 and average of 3.9 impact factor and H-Index on Research Gate 71, and Google Scholar H-index 77/ i-10 index is 223with citations 17, 500 Link <https://scholar.google.com/citations?user=3azj2Z0AAAAJ&hl=de>

Thomson-Reuters-Impact factor 5 to 17

1. **Meena, R.S.***, Kumar, S., Kumar, S., Gourisankar.P., Jangir, C., Ghosh, S., Himani. P., Sheoran, P., Ramawatar,M., Ahmad, M.; Goyal, S., Rebouh, N., 2025. Designed a diversified Indian mustard production system for energy-carbon-cum-heat use efficiency and sowing dates assessment, *Global Change Biology Bioenergy*, **NAAS rating 11.9 (Impact Factor 5.9)**
2. Divyadarshan, D., Naik, S.K., Dhakar, M.K., Purakayastha, T.J., Mahanta, D., Choudhary, M., Mali, S.S., Kumar, R., Dash, A.K., Das, A., | **Meena, R.S.** 2025. Soil Carbon Dynamics and Soil Quality Index Under Different Agricultural Production Systems in Rain-Fed Ecosystems. *Land Degradation & Development*, 2025;0:1–14 <https://doi.org/10.1002/ldr.5547> **NAAS rating 11.0 (Impact Factor 5.0)**
3. **Meena, R.S***, Pradhan.G., Kumar, S., 2025. Energy flow, eco-efficiency, and economic circulation with recycled industrial waste compost application in wheat and subsequent rice farming. *Science of the Total Environment*, 967:178779 <https://doi.org/10.1016/j.scitotenv.2025.178779> **(Impact Factor 8.2).**
4. **Meena, R.S***, Pradhan, G.S., Kumar, S., and Lal, R. 2023. Using industrial wastes for rice-wheat cropping and food-energy-carbon-water-economic nexus to the sustainable food system. *Renewable and Sustainable Energy Reviews*. 187:113756 <https://doi.org/10.1016/j.rser.2023.113756> **NAAS rating 20.0 (Impact Factor 16.1).**
5. **Meena, R.S***, Lal, R., Kumar, S., Pradhan.G., Rao, Ch., Pathak, H., Abhilash, P.C., Kumar, A., Sharma, S.K., Jat. M.L., Singh, S. 2024. Potential of Indian agriculture for capturing atmospheric CO₂ and monetizing carbon credits to the farmers: An overview and policy framework, *Advances in Agronomy*. Vol. 188pp 1-117. <https://doi.org/10.1016/bs.agron.2024.06.001> **NAAS rating 12.9 (Impact Factor 6.9).**

6. **Meena, R.S***, Pradhan.G., Singh, K., Kumar, S., Singh, A.K., Sashidhar,K.S., Mina,K.K., Rao,Ch. 2024. Agriculture models for restoring degraded land to enhance CO₂ biosequestration and carbon credits in the Vindhyan region of India. *Science of the Total Environment*, 929:172661 <https://doi.org/10.1016/j.scitotenv.2024.172661>
7. **Meena, R.S***, Pradhan.G., Nalani, Singh, K., Singh, A.K., Verma, S.K., Mina, K.K., Kumar,S., Chaturvedi, R.K. 2024. Diversified cropping modules designed for soil restoration, CO₂ sequestration, and generating carbon credits.2024. *Land Degradation & Development*, <https://doi.org/10.1002/ldr.5224>
8. **Meena, R.S***. and Pradhan, G.S. 2023. Interaction impacts of biocompost on nutrient dynamics and relations with soil biota, carbon fractions index, societal value of CO₂ equivalent and ecosystem services in the wheat-rice farming, *Chemosphere*, <https://doi.org/10.1016/j.chemosphere.2023.139695>, 139695 **NAAS rating 14.8 (Impact Factor 8.8).**
9. **Meena, R.S*** Singh, K., Kumar, S., Dhaiya, S., Sehoran, S., Singh,H.M., Pathak,V.V., Khalid, Z.,Singh, A., Choupra,K., Bajar,S., Ansari,F.A., Gupta,S.K., Varjani,S., Kothari,R., Tyagi, V.V., Singh,B. and Byou, C. 2023. India's renewable energy research and policies to phase down coal: Success after Paris agreement and possibilities post-Glasgow Climate Pact. *Biomass and Bioenergy* <https://doi.org/10.1016/j.biombioe.2023.106944> **NAAS rating 12.0 (Impact Factor 6.0).**
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13. Archives in Microbiology <http://www.springer.com/life+sciences/microbiology/journal/203> Springer
14. Plant Growth Regulation <http://www.springer.com/life+sciences/plant+sciences/journal/10725> Springer (Impact Factor 4.2)
15. Information Processing in Agriculture <https://www.journals.elsevier.com/information-processing-in-agriculture/> Elsevier
16. Legume Research <https://www.arccjournals.com/journals/legume-research-an-international-journal> (Impact Factor 0.6)
17. Energy Efficiency <https://link.springer.com/journal/12053> Springer (Impact Factor 1.6)
18. Agriculture Systems <https://www.journals.elsevier.com/agricultural-systems> (Impact Factor 4.2) Elsevier
19. Agriculture, Ecosystems and Environment <https://www.journals.elsevier.com/agriculture-ecosystems-and-environment> (Impact Factor 5.0)
20. Soil and Tillage Research <https://www.journals.elsevier.com/soil-and-tillage-research> (Impact Factor 5.5) Elsevier
21. Ecological Indicator <https://www.journals.elsevier.com/ecological-indicators> (Impact Factor 4.9) Elsevier
22. Environment, Development and Sustainability, <https://www.springer.com/journal/10668> (Impact Factor 1.7), Springer
23. Environment, Development and Sustainability <https://www.springer.com/journal/10668> (Impact Factor 1.9), Springer
24. Environmental Sustainability <https://www.springer.com/journal/42398>, Springer

25. Journal of Agronomy and Crop Science <https://onlinelibrary.wiley.com/journal/1439037x> Willey (Impact Factor 2.96) Elsevier
26. Agronomy, MDPI, <https://www.mdpi.com/journal/agronomy> (Impact Factor 3.6), Springer
27. Crop and Pasture Sciences, <https://www.publish.csiro.au/cp>, (Impact Factor 1.6), CSIRO
28. Sustainability, MDPI, <https://www.mdpi.com/journal/agronomy> (Impact Factor 3.6)
29. Agronomy, MDPI, <https://www.mdpi.com/journal/agronomy> (Impact Factor 3.4)
30. Land MDPI, <https://www.mdpi.com/journal/land> (Impact Factor 3.4)
31. International journal of soil and water conservation, <https://www.editorialmanager.com/iswcr/Default.aspx> (Impact Factor 3.7) Elsevier
32. Environmental Technology, <https://www.tandfonline.com/toc/tent20/current> (Impact Factor 2.2) Taylor & Francis
33. Science of the Total Environment <https://www.journals.elsevier.com/science-of-the-total-environment> (Impact Factor 7.9) Elsevier

Editorial Board Membership of the Journals

Impact Factor Journals issue Editor

1. Sustainability (MDPI) Impact Factor 3.9

https://www.mdpi.com/journal/sustainability/special_issues/U70P2J142T

Special Issue: "Soil-Water-Plants and Environmental Nexus"

2. Sustainability (MDPI) Impact factor 3.9

https://www.mdpi.com/journal/sustainability/special_issues/98694KEVRJ

Special Issue: "COP26 Goals and Agriculture Management for Net Zero Emissions"

3. Sustainability (MDPI) Impact Factor 3.9

https://www.mdpi.com/journal/sustainability/special_issues/soil_health_restoration

Special Issue: Soil Health Restoration and Environmental Management

4. Sustainability (MDPI) Impact Factor 3.9

https://www.mdpi.com/journal/sustainability/special_issues/soil_health_restoration

Special Issue: "Crop diversification for soil, Nutritional, Economic and Environmental Security"

5. Frontiers in Sustainable Food Systems Impact Factor 5.0

https://www.frontiersin.org/research-topics/21390/the-impact-of-agrochemicals-on-the-food-system-and-its-management?utm_source=F-RTM&utm_medium=TED1&utm_campaign=PRD TED1 T1 RT-TITLE

Special Issue: The Impact of Agrochemicals on the Food System and its Management

6. Frontiers in Soil Sciences; Impact Factor 5.0

7. Integration of resource-efficient industrial crops in current cropping system: A strategy to improve soil health in agroecosystems; https://www.frontiersin.org/research-topics/33685/integration-of-resource-efficient-industrial-crops-in-current-cropping-system-a-strategy-to-improve?utm_source=F-RTM&utm_medium=TED1&utm_campaign=PRD TED1 T1 RT-TITLE

Others

1. Member of Editorial Board in the Asian Journal of Plant Science & Research <http://www.imedpub.com/asian-journal-of-plant-science-research/editors.php>
2. General Secretary of the Journal Agriculture for Sustainable Development, link <http://www.sustainableagriculture.in/EditorialBoard.php>

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3. Member of Editorial board in the **Indian** Journal of Nutrition, link <http://www.opensciencepublications.com/indian-journal-of-nutrition/editorial-board-9/>
4. Member of Editorial Board in the **International** Journal of Applied and Pure Science and **Agriculture** (IJAPSA) link <http://ijapsa.com/editorial-board/>
5. Member of Editorial Board **International Journal of Engineering Technology & Management Research** <http://www.ijetmr.com/Editorial Board.html>
6. Editor in the **Journal of Agricultural Science and Food Technology** link <http://pearlresearchjournals.org/journals/jasft/editors.html>
7. Member of Editorial Board in the **International Journal of Advances in Engineering Research (IAER)**. <http://www.ijaer.com/aboutus.html>
8. Member of Advisory Board in the **World Journal Pharmaceutical and Life Sciences**. http://www.wjpls.org/home/editorial_board
9. Member of Editorial Board in the **International Journal of Agricultural Education and Extension (IJAE)** <http://www.premierpublishers.org/ijaec/editors>
10. Member of Editorial Board **British Journal of Research** link <http://www.britishjr.or/index.php/OJR/about/displaymembership/46>
11. Member of Editorial Board of the **Asian Journal of Plant Science & Research** link <http://pelagiaresearchlibrary.com/asian-journal-of-plant-science/editorial-board.html>
12. Editor for the **African Journal of Agricultural Research**, <http://www.academicjournals.org/journal/AJAR/editors>
13. Editor of **Applied Research Journal** link <http://arjournal.org/editorial-boards/>
14. **Agricultural Sciences**, <http://www.xournals.com/academic-journal-of-agricultural-sciences/info/editorial-board>
15. Member of Editorial board for the **International Journal of Current Microbiology and Applied Sciences** <http://www.ijcmas.com/editor.php>
16. Member of Editorial board for **Journal of Current Research in Nanotechnology & Nanoscience**. <http://redactorpublishing.com/details.php?id=47>
17. Member of Editorial board for **the Archives of Agriculture and Environmental Science**, <http://www.aesacademy.org/the-board/>
18. Appointed as an Executive Director of Hindustan Agricultural Research Welfare Society (HARWS) for a period of March 2023 to March 2024.

Conducted as an Organizer

1. Outstanding contribution as an organizer- cum-managing committee member of 21 days certificate-cum-training program on “AGRI SKILL INDIA” (ASI-2023) from 9th to 29th April 2023 jointly organized by ICAR-Indian Institute of Maize Research, Punjab and Hindustan Agricultural Research Welfare Society (HARWS), Agra.

Lecture as a resource person

1. Rainfed cultivation- a special reference to Jharkhand. Training program under ATAMA I.Ag.Sc., BHU, dated 22 March, 2014
2. Nitrogen management in crops. Training program under ATAMA I.Ag.Sc., BHU, dated 09 February, 2015.
3. Climate change and Agriculture. International Symposium on Innovations in Educational, (ISIEEHR-2015) Environmental & Health Research Organized By Society for Educational Development & Environmental Research (SEDER). 23 and 24 February, 2015.
4. Sowing Methods of Wheat. Training program on improved cultivation of wheat in eastern zone of India, sponsored by Dr. Reddy foundation, Hyderabad at IAS, BHU. 11-13 December, 2015.
5. Impact of climate change on Agriculture. Training program on improved cultivation of wheat in eastern zone of India, sponsored by Dr. Reddy foundation, Hyderabad at IAS, BHU. 11-13 December, 2015.
6. Seed treatment with Rhizobium culture Sponsored by National Fertilizers Limited Lucknow at BHU. 26-27 March, 2015.
7. Climatic Risk Management in Agriculture for enhancing water, food and livelihood-security meeting organized by Department of Geophysics, BHU, Varanasi on 21/03/2015.
8. Certificate of Appreciation on summer refresher Classes in the topic “Resource Management in Agriculture” from 8th – 14th June, 2019 organised by institute of Agricultural Sciences, BHU, Varanasi.
9. Certificate of Appreciation on National webinar on “Sustainability of Agriculture Sector in present and post pandemic situation” on 11th September 2020 conducted by school of Agricultural sciences, Career Point University (CPU), Kota, Rajasthan, India
10. Invited for Expert Lecture on “Interaction on Academic possibilities and Soil Organic Carbon Research” on 10th February, 2021, School of Agricultural Sciences, Career Point University, Kota, Rajasthan, India.

11. Delivered an online lecture on “Abroad admission in higher education” at College of Agriculture, Bharatpur, S.K.N. Agricultural University, Jobner, Rajasthan, India on 29th January, 2021.
12. Delivered an online lecture on “Climate change and soil health” for developed farmer of the district at Krishi Vigyan Kendra (KVK), Kota, Kota Agricultural University, Rajasthan, India on 22-23th February, 2021.
13. Invitation to deliver expert lecture on 6 June 2021 “ Climate change and Soil management” in the Conference on Bhartiya Karishi Ken aye Kirtiman Organised by Hindustan Agricultural Research and Welfare Institute, Agra
14. Invitation to deliver expert lecture on 24 June 2021 “Carbon credits, carbon trading and stabilization in climate smart agriculture, Centre for Advanced Agricultural Science and Technology (CAAST) for Climate Smart Agriculture and Water Management (CSAWM) Mahatma Phule Krishi Vidyapeeth, Rahuri Tal. Rahuri, Dist. Ahmednagar 413 722
15. Delivered an online lecture on “soil health management necessity” for developed farmer of the district at Krishi Vigyan Kendra (KVK), Borkheda, Kota, Kota Agricultural University, Rajasthan, India on 19th February, 2022.
16. Invitation to deliver expert lecture on 7 November 2023 “ Research and Publication Ethics” in faculty development program Organised by Shri Vaishnav Institute of Agriculture, Indore
17. Invitation to deliver expert lecture on 20 November 2023 “ Agriculture filed weeds medicinal value” Organised by Apex institute of Ayurvedic Medican and Hospital. Chunar
18. Invitation to deliver expert lecture on 16 January 2024 “Soil organic matter and food-water nexus” in ICAR, winter school Organised by Jodhpur Agriculture university, Jodhpur

Invited Lecture/Keynote Speaker/Chairman of a Technical Session during International Conference, Seminar etc. organized by reputed institutions/organizations abroad

1. Invited talk on the Regenerative Agriculture for Soil Health Restoration and Nutritional Security, at IRRI-SARC on 13 December, 2023.
2. Invited talk on the Green Carbon Credit Programme an Opportunity to the farmers income in Rice-based Cropping systems at IRRI-SARC, Varanasi on 13 December, 2023.
3. Invited talk on the Green Carbon Credit Programme an Opportunity to the farmers income in Rice-based Cropping systems at IRRI-SARC, Varanasi on 1 November , 2023.
4. Invited talk on the Regenerative Agriculture for Soil Health Restoration and Nutritional Security, at IRRI-SARC on Varanasi on 1 November , 2023.

5. Invited talk on the **Soil Health Management & Possible Carbon Credits in Rice Based Ecosystems**, at IRRI-SARC on **Varanasi on 26 September, 2023**.
6. Most cordial Invitation as keynote speaker in International Conference on Natural Resource Management for Sustainable Crop Production: A Tool to Combat over Climatic Changes – ICNRM- 2023 scheduled on May 12-13, 2023, conducted by School of Agriculture (ICAR Accredited), ITM University, Gwalior, M.P., India.
7. Invited as a Guest speaker of 21 days certificate-cum-training program on “AGRI SKILL INDIA” (ASI-2023) from 9th to 29th April 2023 jointly organized by ICAR-Indian Institute of Maize Research, Punjab and Hindustan Agricultural Research Welfare Society (HARWS), Agra.
8. Invitation letter for delivering a talk during the technical session of “International Conference on Advancement in Science, Management, Technology, Social Sciences & Humanities-2023 (ICASMTSSH-23)” during 29-30th April, 2023, SGGV, Ambikapur, Chhattisgarh, India.
9. Invited keynote speaker on Agro-ecosystem and soil carbon management to mitigate climate change on 5 Feb, 2023. National Seminar on “Future Strategies for Sustainability in Indian Agriculture and Food Security” during February 05-06, 2023, KVK, BHU, RGSC Campus Mirzapur
10. Invited lead lecture on Carbon Management Strategies and Policies for Climate Resilient Agriculture, December 16, 2022 at CIMMTY-BISA, Jabalpur
11. Invited lead lecture on Designing efficient and eco-friendly production system for Rice-fallow agro-ecosystems jointly organized by ICAR, Indian society of oilseed research (ISOR) and Indian Institute of oilseed research (IIOR) during International Conference on vegetable oils (ICVO) on January 17-21, 2023, at Hyderabad, Telangana, India.
12. Invited lead lecture on Managing Soil Carbon and Soil Health in Rice Ecosystems on 5 July 2022, IRRI-SARC, Varanasi, UP, India.
13. Invited lead lecture on, delivered a lead Lecture during International Conference on “Sustainable Agriculture Development in Changing Global Scenario” held on October 11-13, 2019, IESD, BHU, Varanasi.
14. Invited lead lecture on “Global approaches in Natural Resource Management for Climate Smart Agriculture (GNRSA-2020) during pandemic Era of Covid-19” held on February 26-28, 2021 at conference Hall, Shobhit Deemed University, Modipuram, Meerut, UP, India.
15. Invited for guest of honor and e-lecture on one day International E- conference held on Jan 2021 on “Climate change, ethics and sustainability” jointly organized by Department of Chemistry and Philosophy M.S.J. govt. college, Bharatpur, Rajasthan, India.

1. ehuk oh ,l ,oa **ehuk vkj ,l** . 2013. Qly cqykbZ ls iwoZ e`nk ijh{k.k dh vko';drk .Vindhy krashi ISSN: 0974-9934. 7(3):11-12.
2. **ehuk vkj ,l** 2014. Ok`kkZ ty dh cpr dj fVdkÅ [ksrh Vindhy krashi ISSN: 0974-9934. 8(3):25-28.
3. dqekj 'kSys'k ,oa **ehuk vkj ,l**. 2015. fouk'kd [kjirokj xktj ?kkl ls oehZ dEiksLV cukdj d`f`k esa nksgjk ykHk. Rashtriya Karshi. ISSN 0974-0754. 10(1-2):27-29
4. **ehuk vkj ,l**. 2015. nyguh Qlyksa esa jkbtkSch;e dYpj ls cht mipkj. Rashtriya Karshi. ISSN 0974-0754. 10(1-2):70
5. izrhd luksfM+;k eukst dqekj flag ,oa **ehuk vkj ,l**. 2015. tSfod [ksrh esa oehZok'k dh egRrk. Vigyan Ganga. ISSN 2231-2455. 5(9):93-95.

Nominations

1. Best young researcher Paper Prize in The International Society for Ecological Modeling global Conference 2016. Towson University, Maryland, USA.

Membership of societies: -

1. Life Membership and General Secretary of Social and Farmers Wel Fear Society, Alwar (Rajasthan)
2. Life Membership of Society for Rapeseed- Mustard research, ICAR, Bharatpur (Rajasthan).
3. Life Membership of Association of Agro-meteorologists, B.A. College of Agriculture, Anand Agricultural University, Anand , Gujarat, India. (**LM-1100**)
4. Life Membership of Indian Society of Agronomy, IARI, New Delhi (**Membership No: UP/2017/2941**)
5. Indian Association of Soil & Water Conservationists, Dehradun, UK
6. Life Membership of Indian Society of Pulses Research & Development, IIPR, Kanpur (UP), India
7. Life Membership, Asian PGPR Society for Sustainable Agriculture, ICRISAT, Hyderabad, India (**USA EIN: 47-4803807**)
8. International Journal of Development and Sustainability (IJDS), Kuala Lumpur, Malaysia
9. International Sustainable Development Society (**ISDS**), Japan
10. Life membership of National Academy of Biological Sciences (NABS), Chennai, India (**LM-011-2021**)

Institutional Membership

1. Member of starting the MOOC activities of IIT (BHU). The committee would meet to come up with MOOC (IIT BHU) in consultation with IIT Kanpur Team.

2. Member of core committee of B. Voc. In banking and financial services. Nya. Tatyasaheb Athalye arts, Ved. S.R. Spare commerce and Vid. Dadasaheb Pitre Science College (Autonomous) Maharashtra.

University visited in abroad

1. Appointment as a Visiting Scholar of the Faculty of Natural and Applied Sciences, at Coal City University, Enugu, **Reference No: CCU/R/CC/015/03/11/22.**
2. University of the Potomac, Washington DC
3. New York University (NYU), New York
4. University of West Virginia, West Virginia
5. The State University of New Jersey, New Jersey
6. Virginia State University,
7. Pittsburg State University, Pittsburg

Technical bulletin

1. Virendra Kamalvansi, Rajan kumar, Ankita sarkar, Sunil kumar Goyal and Ram Swaroop Meena. Krashk ki aaya vraddi hetu unnet takanike. Department of Agricultural Economic.AED/01/2015. Organizer. Agricultural Technology Management Agency (ATAMA). 09-10 February, 2015.
2. Virendra Kamalvansi, Sunil kumar Goyal, Amitav Rakhsit, Ram Swaroop Meena, Rajan kumar, and Ankita sarkar Krashk prakshisan pustika. Department of Agricultural Economic AED/02/2015. Organizer National fertilizers Limited (NFL)

Contribution in training/Workshop/Seminars/Conferences

1. Co-coordinator in Agricultural Technology Management Agency (ATMA) at IAS,BHU. dated 09-10 February, 2015.
2. Co-coordinator in Five days Farmers training programme sponsored by National Fertilizers Limited Lucknow at BHU. 26-27 March, 2015

Paper present in National Conference, seminar and Congress

1. Ram, K. and **Meena, R.S** 2013 Water saving practices in crop production National Seminar on *Enhancing Water Productivity in Agriculture*, March 8-9, 2013, B.H.U., Varanasi, pp: 229-233.
2. Meena, K. K. and **Ram Swaroop** 2013.Water Management in Semi arid Area. National Seminar on *Enhancing Water Productivity in Agriculture*, March 8-9, 2013, B.H.U., Varanasi, pp: 108-111.

3. Dhakal, Y. and **Meena, R. S.** 2013. Water Management and Livelihood. National Seminar on *Enhancing Water Productivity in Agriculture*, March 8-9, 2013, B.H.U., Varanasi, pp: 189-193.
4. Hemraj Meena, Ram Swaroop Meena and Bhalendra Singh Rajput. Response of Sowing Environment and Bioregulators on Clusterbean Economics under Current Scenario in Eastern Uttar Pradesh, India. February 8&9, 2016.
5. Sunil Kumar and Ram Swaroop Meena. Influence of Integrated Nutrient Sources on Dry matter accumulation and Chlorophyll Content in Indian mustard (*Brassica Juncea* L.). February 8&9, 2016.
6. Ram Sawroop Meena and Sunil kumar. 2016. Two days National Seminar (ICSSR Sponsored) Mental Haze and Value Education. March 30-13, 2016.

Paper present in International Conference, seminar and Congress

1. Meena, R. S., Meena., R. and Meena, V. S. 2013. International Conference on *Global Scenario of Traditional System of Medicine Ayurveda, Agriculture and Education*, January 21-22, 2013, RGSC, Barkachha, BHU, Varanasi, pp 484-488.
2. Meena, R., Singh., Y. V., Meena, R.S. and Dadhich, R. K. 2013. International Conference on *Global Scenario of Traditional System of Medicine Ayurveda, Agriculture and Education*, January 21-22, 2013, RGSC, Barkachha, BHU, Varanasi, pp 466-470.
3. Meena, R.S. 2019. International Conference on *Global Scenario of Traditional System of Medicine Ayurveda, Agriculture and Education*, January 21-22, 2013, RGSC, Barkachha, BHU, Varanasi, pp 466-470.

Poster present in international conference, Seminar and congress

1. **Meena, R. S.** and Yadav, R. S. 2012. Effect of different growing environments, varieties and fertility levels on yields and economics of groundnut (*Arachis hypogaea* L.) in western dry region of India. Third International Agronomy Congress on Agricultural Diversification, Climate Change Management and Livelihood. November, 26-30, 2012. IARI, ICAR, New Delhi.
2. **Meena, R. S.** 2010. Role of Agriculture Institute. *BHU Alumni Meet (BHUAM) 2010*. December, 24- 25, 2010. Banaras Hindu University, Varanasi.
3. **Meena, R. S.** 2012. Mahamana Thought on Agriculture. *BHU Alumni Meet (BHUAM) 2012*. December, 23-24, 2012, Banaras Hindu University, Varanasi.

4. **Meena, R. S.** 2011. Conservation agriculture in Uttar Pradesh. *National conference on Controlling Environmental Pollution through Water Conversion for Sustainable Development* organized by CSIR and ICMR, GOI, New Delhi, November, 26-27, 2011. Banaras Hindu University, Varanasi.

Paper published in international conference, seminar and Congress

1. **Meena, R. S.** and Yadav, R.S. 2012. Effect of different growing environments, varieties and fertility levels on yields and economics of groundnut (*Arachis hypogaea* L.) in western dry region of India. Third international congress held on November, 26-30, 2012. ICAR, New Delhi, pp: 1223-1224.
2. Kumar, S., Singh, M.K., Meena, R.S. and Hingonia, K. 2016. Influence of plant geometry and cultivars on grain yield of dry direct seeded rice under Varanasi region of eastern Uttar Pradesh. Extended Summaries Vol. 2 : 4th International Agronomy Congress, Nov. 22–26, 2016, New Delhi, India. Pp 1370-71

Attended Refresher, orientation courses and trainings

1. Multidisciplinary Research 8th Summer School, June 7 to 20, 2022, AUGC Human Resource Development Center, BHU
2. Attended the 21 days certificate-cum-training program on “AGRI SKILL INDIA” (ASI-2023) from 9th to 29th April 2023 jointly organized by ICAR-Indian Institute of Maize Research, Punjab and Hindustan Agricultural Research Welfare Society (HARWS), Agra.
3. Participated in the 58th Orientation course organized by UGC-Academic Staff College, Banaras Hindu University, Varanasi from September 1st to 28th, 2011. (28 days)
4. Participated in the 10th Refresher course in Agricultural Sciences, Organized by UGC-Academic Staff College, Banaras Hindu University, Varanasi from February, 23rd to 15th March, 2013. (21 Days)
5. Participated in Training Programme on “Climate Change, Food Security and Livelihood Opportunities in Mountains Agriculture” May 14- 23, 2013. Organized by Center for Climate Change & Mountain Agriculture (CCCMA) SKUSAT, Srinagar (J&K). (10 days).
6. Participated in Short Training Programme on “Scientific Writing and Presentation”, Organized by NAARM, Hyderabad, 6-10 January, 2014. (5 Days).

7. Participated in “Faculty Development Programme on Entrepreneurship Development” for teacher Sponsored by the Department of Sciences & Technology GOI, at Institute of Agricultural Sciences, BHU, Varanasi from 04-21, August, 2014 (15 Days).
8. Participated in online training programme on “Climate change, impact, assessment and mitigation in agriculture” held on during January 4-6, 2021 organized by Department of climate change and agricultural Meteorology, Punjab Agricultural University, Ludhiana, India.
9. National Program for Training of Scientists and Technologists working in Government Sector on "Capacity Building Program for Technical Personnel during 22 February-5 March 2021, Sponsored by, Department of Science and Technology Ministry of Science and Technology Government of India and Amity Groups University, Noida
10. Participated in winter school for 21 days. “*Skilling of Rural Youths for Employment Generation in Agriculture*” to be held during 4-24th January 2022 at MPUAT, Udaipur.

Attended Short programme and trainings

1. Participated in Intellectual Property Rights Programme, organized by Department of Science and Technology, Bikaner, Rajasthan. March, 1st 2009.
2. Participate in farmers/seed seller and agriculture scientist meet, organized by Natinal Seed Corporation LTD, I. Ag. Sc., BHU. October 9th 2013.
3. Participate in two day workshop on doing MOOCs with mookIT during Dec.22-23/2015. IIT, BHU
4. Participate in Seven days “YOGA SHIVIR” From 15/06/2016 to 21/06/2017 international Day of Yoga common protocol, Organized by IIT, BHU, Varanasi.
5. Participated in 21 days w.e.f. 04/09/2018 to 24/09/2018 ICAR, Sponsored Center of Advances Faculty Training (CAFT). Training entitled “Food Safety and Quality Management of Food Products with reference to HACCP, Value addition & Quality standard. Food Processing Centre for Food Science and Technology, Institute of Agricultural Sciences, BHU.
6. Completed 30 days Massive open online course (MOOC) on Teaching excellence w.e.f. 01/11/2019 to 30/11/2019. ICAR – National Academy of Agricultural Research Management (NAARM), Rajendranagar, Hyderabad, Telangana, India.

7. Successfully participated in 1st National webinar on “Agriculture and food during COVID-19 Pandemic” organized by society for world environment, food and technology (SWEFT), Meerut(UP) held on 30th May 2020.
8. Attending the webinar on “ Academic and scientific writing catapulting institutional visibility” held on 3rd August, 2020 organized by Central Library, Manipur University in collaboration with Springer Nature.
9. Attending the webinar on “ Trends in Biomedicine and life Sciences Publishing and Nuances and Tools of Scientific Publishing” of a webinar series on all about scientific publishing- trends, nuances, tools, ethics etc, held on 3rd September, 2020 organized by Springer Nature, in collaboration with DeLCON (DBT E- LIBRARY CONSORTIUM).
10. Attending the webinar on “The humanities and social sciences: Why they are critical to our understanding of today’s complex and challenging world” held on 30th June, 2020 organized by Springer Nature in collaboration with INFLIBNET centre.
- 11. Participation in national web conference on “ Sustaining pulse production for self sufficiency and nutritional security” (Pulse web conference 2021) held on 9-11th February, 2021 organized by Indian society of pulses research and development and Indian institute of pulses research, Kanpur (IIPR) in collaboration with, ICAR, New Delhi.**

Ph.D. Thesis Evaluated

1. Evaluated the Ph.D. thesis entitled “**Precision nitrogen management studies using sensors and artificial intelligence in maize (*Zea mays* L.)**” submitted by Mr. Shivashankar K (ID No. PGS19AGR7958) at Department of Agronomy, University of agricultural sciences, Dharwad, Karnataka, 580005, India.
2. Evaluated the Ph.D. thesis entitled “**Herbicide options for effective weed management on zero-till wheat, maize and direct-seeded *aman* rice under wheat-mungbean-rice and maize-mungbean-rice cropping systems**” submitted by MST. Tanjina Islam (Reg. No.

1705204) at Department of Agronomy, Hajee Mohammad Danesh Science and Technology University, Dinajpur, 5200, Bangladesh.

3. Evaluated the Ph.D. thesis entitled “**salinity stress in maize and its mitigation by agronomic management**” submitted by Siddhartha Kumar Roy (ID No. 1605585) at Department of Agronomy, Hajee Mohammad Danesh Science and Technology University, Dinajpur, 5200, Bangladesh.
4. Evaluated the Ph.D. thesis entitled “**Enhancing productivity and quality of *Cassia augustifolia* Vahl. through agro-technological interventions under sub-tropical plains of North India**” submitted by Ms. Nilofer (10BB16J10010) at Ac SIR from CSIR- Central Institute of Medicinal and Aromatic Plants (CSIR- CIMAP), Lucknow, 19th September, 2020.

Model Developed

1. Prepared live model on water management and Integrated farming system in hill area for farmer fair and won **first prize**, organized by Institute of Agricultural Sciences, March, 3-4th, 2013.
2. Leader contributed in preparation to the Models on watershed management and conservation agriculture Department of Agronomy in farmers fair and agro-industry exhibition organized by Institute of Agricultural Sciences, BHU, during March 7-8, 2014 and won **first prize**.
3. Leader contributed in preparation to the Models on watershed management for dryland agriculture. Department of Agronomy in farmers fair and agro-industry exhibition organized by Institute of Agricultural Sciences, BHU, during November 3-5, 2015 and won **third prize**.

Ram Swaroop Meena