

Biodata of Dr. Pratibha Singh

Dr. Pratibha Singh

Ph.D., M.Sc. Ag. (Soil Science)

Soil Scientist, AICRP-IFS

RARI, Durgapura, SKNAU, Jobner,

Jaipur, Rajasthan - 302018

Mob.: 07042988107, 09971325763

Email: pratibha.soils@sknau.ac.in, psprati2@gmail.com



ACADEMIC PROFILE

DEGREE/EXAM	UNIVERSITY/BOARD	YEAR	DIV.
PhD (Soil Science)	G.B. Pant Univ. of Ag. & Tech., Pantnagar	2009	I
M.Sc. Ag. (Soil Science)	G.B. Pant Univ. of Ag. & Tech., Pantnagar	2005	I
B.Sc. (Agriculture)	G.B. Pant Univ. of Ag. & Tech., Pantnagar	2003	I

* Qualified National Eligibility Test (NET) conducted by ICAR during 2010 with Subject-Soil Science

WORK EXPERIENCE

Post Held	Name of Employer	Nature of Jobs	Duration	Period
Assistant Professor	RARI, Durgapura, SKNAU, Jobner, Raj.	Soil Scientist in AICRP-IFS, RARI, Durgapura. Research and Teaching	20 th Feb, 2018 to Continue	7 years & 10 months
Research Associate	Div. of Agril. Education, ICAR, N. Delhi	Monitoring, Evaluation & Management of various ICAR Schemes	1 st Dec., 2015 to 19 th Feb., 2018	2 years & 2 months
Technical Assistant	INM Division, MoAC&FW, New Delhi	Monitoring, Review of Soil Health Card Scheme	1 st Oct., 2015 to 30 th Nov., 2015	2 months
Consultant	Pragya India, Gurgaon (NGO)	Development of Climate Resilient Crop Advisories for Himalayan region. Development of awareness material for farmers.	22 nd April, 2015 to 4 th Sept., 2015	4 months
Research Associate	Indian Council of Forestry Research & Education, Dehradun	Monitoring & Evaluation of Research Projects by conducting annual and half yearly review. Scrutinizing the Project Completion Reports.	2 nd Aug. 2011 to 31 st March 2015	3 Yrs & 8 months
Research Associate	Wildlife Institute of India, Dehradun	Handling & Maintenance of Modern Analytical Instruments and training to various groups	7 th Oct. 2009 to 31 st July 2011	1 Yr & 10 months
SRF	GBPUAT, Pantnagar	Research & Extension of agriculture technologies. Analysis of soil and plant samples.	15 th Nov 2007 to 30 th Sept. 2009	1 Year & 10 months
JRF	GBPUAT, Pantnagar	Research and Analytical work. Analysis of soil and manure samples.	1st Oct. 2005 to 20th July 2006	10 months
Total Experience		18 years & 8 months		

PROJECTS HANDLED/ INVOLVED

S N	Title of the Project.	Responsibility assigned	Budget (INR)	Duration/ Status	Funding agency
1	ICAR-AICRP on Integrated Farming System	Co-PI (Junior Soil Scientist)	ICAR Norms	Long Term (Since June 2018)	ICAR-IIFSR, Modipuram, Meerut
2	ICAR-AICRP on MULLaRP	Co-PI (Soil Scientist)	ICAR Norms	Long Term (Since Oct. 2019)	ICAR-IIPR, Kanpur
3	ICAR-AICRP on Chickpea	Co-PI (Soil Scientist)	ICAR Norms	Long Term (Since April 2023)	ICAR-IIPR, Kanpur
4	Effect of Nano Fertilizers on Crop Growth, Yield and Soil Health under Semi-arid Conditions of Rajasthan	Principal Investigator	5.10 Lakhs	2 years (Completed) (Nov. 2019 to Oct 2021)	Indian Farmers Fertiliser Coop. Ltd., New Delhi
5	Development and Evaluation of Fortified Liquid Biofertilisers on Crop Yield and Soil Health	Principal Investigator	10.17 Lakhs	2 years (Completed) (Apr 2021 to Mar 2023)	Indian Farmers Fertiliser Coop. Ltd., New Delhi
6	Studies on Response of Dihydrate Polyhalite Fertilizer on Crop Growth, Yield and Soil Health under Semi-Arid Conditions of Rajasthan	Principal Investigator	54.79	3 years (Ongoing) (Since April 2021)	Anglo American Crop Nutrients, New Delhi
7	Studies on Effect of Nano Nutrients and Biostimulants on Crop Performance and Soil Health	Principal Investigator	28.73 Lakhs	3 years (Ongoing) (Since April 2021)	Indian Farmers Fertiliser Coop. Ltd., New Delhi
8	Enhancement of Fertilizer Use Efficiency of MEG-PHOS and their effect on Crop Growth, Yield and Soil Health under Semi- Arid Conditions of Rajasthan	Principal Investigator	30.00 Lakhs	3 years (Ongoing) (Since April 2025)	RSMML, Udaipur

STUDENTS UNDER SUPERVISION

No. of Students	Advisor
PhD	
01	as major advisor
08	as advisor
MSc	
02	as major advisor
08	as advisor
Total	19

AWARDS/RECOGNITIONS

- **STAR Excellence Award** during First STAR National Conference- 23-25 Feb, 2025 organized by Science and Technology Application Remodel, Society, Jaipur
- **Gold Medal Award** during Fifth National Brassica Conference- 07-09 Feb, 2024 organized by Society for Rapeseed Mustard, Bharatpur
- **Young Scientist Award** during 1st International Extension Education Congress, 18-20 Dec, 2023, organized by Indian Society of Extension Education.
- **Best Poster Award** National Seminar on sustainable “**Food Production System for Self-Reliant and Climate Resilient Agriculture**” under the theme Crop Intensification and Crop Diversification during 07-09 March, 2026 organized by Farming System Research and Development Association at Modipuram , Meerut, India
- **Best Poster Award during first International Farming System Conference-2025 “ Transforming Food, Land and Water Systems under Global Climate Change”** during 16-18 June, 2022 organized by UAS, Dharwad, India
- **Best Oral Presentation Award** in Regional Conference on Prioritizing “**Crop-Specific Technologies for Sustainable Profitability**” under theme Cereal Crops during 29-30 Apr., 2022 organized at IISR, Lucknow
- **Appreciation Award by ICAR-IIFSR, Modipuram , Meerut, India** during biennial workshop in 01-04, Dec., 2024
- Awarded as **Young Soil Microbiologist** by Udyaniki Krishi Anusandhan Samiti, Lucknow on 29th Oct., 2017.
- Awarded as **Young Soil Scientist** by Society for Scientific Development in Agriculture & Technology on 28-30 October, 2018.

SCHOLARSHIP/FELLOSHIPS/SELECTED

- ❖ Graduate Assistantship at Post graduation level
- ❖ University fellowship during PhD. Programme

TECHNOLOGY INCLUDED IN PACKAGE OF PRACTICES

1. Seed inoculation with liquid biofertilizers (NPK) @ 5-10 ml/kg seed along with recommended doses of fertilizer recorded maximum grain yield of lentil, net returns and B: C ratio
2. To increase the productivity and profitability of wheat, application of 2 foliar sprays of nano urea (2.5 ml/L) at 40-45 DAS and 60-65 DAS alongwith 75 % RDN through traditional urea as recommended practices is recommended
3. Application of zinc @5 kg/ha alongwith recommended dose of nitrogen and phosphorus is recommended for green gram crop in soils having low to medium available zinc status.
4. To increase the productivity and profitability of mustard, application of 2 foliar sprays of nano urea (2.0 ml/L) at 35-40 DAS and 55-60 DAS alongwith 75 % RDN through traditional urea is recommended.
5. Basal Application of 1 Kg boron (5 Kg, 20 % B) per hectare followed by 1 foliar application of 400 ppm Boron (2.0gram, 20% B per litre water) at flower initiation stage increased productivity of lentil with maximum net returns and B: C ratio.
6. Seed inoculation with liquid biofertilizers (NPK) @ 5-10 ml/kg seed along with recommended doses of fertilizer recorded maximum grain yield of moong, net returns and B: C ratio.
7. Foliar applications of 2ml/litre nano urea at 30-35 and 45-50 DAS alongwith 75% recommended dose of nitrogen significantly increased pearl millet productivity under rainfed conditions with maximum net returns.
8. Under rainfed condition for enhancing productivity of pearl millet, application of crop residue mulch @ 5 t/ha along with the furrow application of hydrogel @ 2.5 kg/ha after mixing it with dry sand or vermicompost at the time of sowing is recommended.
 9. Deep summer ploughing followed by post emergence application of Tembotrione herbicide @100

- g a.i./ha at 15-20 DAS is recommended for the control of *Cyperusrotundus* (Motha) weed in pearl millet crop.
10. Deep summer ploughing followed by pre-emergence application of Pendimethalin 30 % + Imazethapyr 2 % (ready mix) @ 800 g a.i./ha is recommended for the control of *Cyperusrotundus* (Motha) weed in groundnut crop.
 11. Application of 100 % RDN through FYM (about 12-15 ton/ha) + Biomix (2.0 l/ha) significantly increased pearl millet productivity under rainfed condition with maximum net returns and B:C ratio when applied in soil two weeks before sowing.
 12. For the effective management of *Sorghum halepense* (Baru) weed in the Sorghum crop, post-emergence application of Tembotrione 42 % SC @ 100g a.i./ha in 500 litres of water at 15-20 DAS is recommended.
 13. For the effective management of *Orobanche* weed in the mustard crop, application of Neem cake @ 200 kg/ha before sowing (at the time of land preparation) is recommended.
 14. For the effective management of *Asphodelus tenuifolius* weed in chickpea crop, pre-emergence application of Pendimethalin 30% + Imazethapyr 2% (Ready mix) @ 200g a.i./ha in 500 litres of water is recommended.
 15. For the effective management of *Parthenium hysterophorus* weed in the wheat crop, post-emergence application of Metribuzin 70 WP @ 150 g a.i./ha in 500 litres of water at 15-20 DAS is recommended.
 16. Seed inoculation with Azotobacter, PSB and SSB through liquid biofertilizer @ 3-5 ml/kg seed along with recommended doses of fertilizer recorded maximum seed yield of wheat, net returns and B: C ratio.
 17. Under limited irrigation condition, basal application of hydrogel @ 5kg/ha supplemented with foliar application of salicylic acid@ 75 ppm (75mg/litre water) at flower initiation and pod formation stage is recommended for getting higher productivity and monetary returns in lentil.
 18. Based on three crop cycles ground nut (immature pods)-Rabi Onion cropping system is recommended for income enhancement of farmers.
 19. Seed inoculation with Azotobacter, PSB and SSB through liquid biofertilizer @ 3-5 ml/kg seed along with recommended doses of fertilizer recorded maximum seed yield of mustard, net returns and B:C ratio.
 20. Application of half of the recommended dose of zinc sulphate (on soil test basis) at the time of sowing followed by two foliar sprays of zinc sulphate @ 0.5 % at flowering and early milk stage is recommended to increase the zinc content, productivity, and farm productivity of barley.
 21. Seed treatment with potassium solubilizing bacteria @ 6 ml/Kg kernel alongwith application of 75% recommended dose of potassium can increase the productivity of groundnut with 25 % saving of recommended dose of potassium.
 22. Furrow application of moisture conservation polymer SPG118@ 5.0 Kg/ha at the time of sowing significantly increased pearl millet productivity under rainfed condition with maximum net return.
 23. Minimum tillage with 100 % recommended dose of fertilizer increased pearl millet productivity under rainfed condition with maximum net return.
 24. For the effective management of weeds in greengram crop, post emergence application of sodium acifluorfen 16.5% + Clodinafop-Propargyl 8 % EC @245 g ai/ha at 15-20 DAS in 500 litres of water is recommended.
 25. Application of 75% recommended dose of nitrogen in two splits i.e., 50% at the time of sowing and 25% at 25-30 DAS followed by two foliar sprays of nano urea 1000 ml in 600 litter of water at 40-45 DAS and 60-65 DAS, respectively is recommended to enhance the productivity of barley
 26. To increase the productivity and profitability of wheat application of Nano DAP as seed treatment @ 2.5 ml/kg seed and one foliar spray of NanoDAP @ 2.0 ml/L of water at 35-40 DAS alongwith 75 % recommended dose of phosphorus
 27. To increase the productivity and profitability of groundnut, application of Nano DAP as seed treatment @ 2.5 ml/kg seed and one foliar spray @ 2.0 ml/L of water at 60-65 DAS alongwith 50 % recommended dose of phosphorus through traditional phosphatic fertilizers is recommended.

28. Application of 30 Kg ha⁻¹ seaweed extract-based granules at the time of sowing alongwith recommended dose fertilisers is recommended to increase the productivity and profitability of wheat.
29. Application of recommended dose of fertilizers alongwith 2 foliar applications of seaweed based biostimulants (3 ml/L water) at 35-40 DAS and 55-60 DAS is recommended for enhancing the productivity of groundnut with maximum net returns.
30. Application of 222 Kg dihydrate polyhalite at the time of sowing alongwith recommended dose nitrogen and phosphorus is recommended to increase the productivity and profitability of groundnut.
31. Application of 370 Kg ha⁻¹ dihydrate polyhalite at the time of sowing alongwith recommended dose nitrogen and phosphorus is recommended to increase the productivity and profitability of onion.
32. Application of 160 Kg dihydrate polyhalite at the time of sowing alongwith recommended dose nitrogen and phosphorus is recommended to increase the productivity and profitability of mustard.
33. Application of 160 Kg ha⁻¹ dihydrate polyhalite at the time of sowing alongwith recommended dose nitrogen and phosphorus is recommended to increase the productivity and profitability of chickpea.
34. Application of 75% recommended dose of phosphorus alongwith two foliar applications of nano phosphorus fertilizer @ 4ml/litre at 35-40 DAS and 55-60 DAS significantly increased groundnut productivity with maximum net returns.
35. Application of 30 Kg ha⁻¹ potassium at the time of sowing and seed treatment with potassium mobilizing biofertilizer (KMB) @ 10 ml per kg of seed alongwith recommended dose nitrogen and phosphorus is recommended to increase the productivity and profitability of mustard.
36. For the effective management of weeds in the wheat crop, post-emergence tank mix application of Pyroxasulfone 85 % @ 127.5 g a.i./ha + Metsulfuron methyl 20 % @ 4 g a.i./ha at 30-35 DAS in 500 litres of water is recommended.
37. For the effective management of weeds in the barley crop, post-emergence tank mix application of Pyroxasulfone 85 % @ 127.5 g a.i./ha + Metsulfuron methyl 20 % @ 4 g a.i./ha at 30-35 DAS in 500 litres of water is recommended.
38. For the effective management of weeds in the onion, post-emergence application of Propaquizafop 5% + Oxyflurofen 12 % (Ready mix) @ 130g a.i./ha at 40-45 DAT in 500 litres of water is recommended.
39. Application of 30 kg/ha of nitrogen in two equal splits i.e., half quantity at the time of sowing as basal and remaining half quantity as broadcasting in the standing crop at 30 DAS is recommended to enhance the productivity of groundnut
40. For the effective management of weeds in mustard crop one hand weeding with manually operated hand weeder at 25-30DAS is recommended.

PUBLICATIONS

Research Articles:

- **Singh Pratibha**, Singh Ajay P., Shanmugam Munisamy, Gupta Shweta, Sharma Seema, Singh Ajeet and Dogra Perna (2025) Tropical seaweed extracts: a sustainable way to improve nutrient use efficiency and productivity of *Brassica juncea* farmed under semi-arid conditions, *Journal of Plant Nutrition*, 48:14, 2428-2447, DOI: 10.1080/01904167.2025.2481131
 - **Singh Pratibha**, Sammauria R, Singh S, Meena O P, Sharma S, Gupta S and Singh A P (2021). Effect of Foliar Nutrition of Water-Soluble Fertilizers on Crop Growth, Yield and Economics of Mustard under Semi-arid Conditions. *Indian Res. J. Ext. Edu.* 21 (2&3):144-149
 - **Singh Pratibha**, Dwivedi M, Srivastava P C, Pachauri S P, Shukla A K and Singh A P (2020). Boron Fertilization and Crop Production in India: A Review. *Indian Journal of Agricultural Sciences* 90 (1): 9-16.
 - **Singh Pratibha**, Sammauria R and Gupta Shweta (2020). Study on effect of foliar feeding of Nano Nutrients on Groundnut Crop Performance and Soil Properties under semi-arid conditions of Rajasthan. *National Webinar on Recent Advances in Soil Microbiological Research with a Special Thrust to Biofertilizer Technology*. BAU, Sabour. 25th Aug., 2020.
 - **Singh, Pratibha** (2016). Determination of Some Pesticide Residues in Cauliflower (*Brassica oleracea* var botrytis) by High Performance Liquid Chromatography. *International Journal of*

Ecology and Environment, 42 (1): 35-37.

- **Singh, Pratibha**; Srivastava, P. C.; Singh, S. K. and Singh, A. P. (2016). Periodic Changes in Available Micronutrient Cations under Submerged Condition in a *Mollisol* Treated with Zinc Incubated with Low Doses of Organics. *International Journal of Ecology and Environmental Sciences*, 42 (1): 55-62.
- **Singh, Pratibha** and Chandra, Ramesh (2011). Performance of liquid and carrier-based inoculants of *Mesorhizobium ciceri* and PGPR (*Pseudomonas diminuta*) in Chickpea (*Cicer arietinum* L.) on nodulation, yield and soil properties. *Journal of the Indian Society of Soil Science*, **59** (3): 263-267. (5.31)
- **Singh, Pratibha** and Chandra, Ramesh (2010). Co- inoculation effect of liquid and carrier inoculants of *Mesorhizobium ciceri* and *Pseudomonas diminuta* on nodulation, nutrient uptake and yield of chickpea. *Journal of food Legumes* **23** (2): 159-161.
- **Singh, Pratibha** and Chandra, Ramesh (2009). Shelf life of liquid and carrier based *Mesorhizobium* sp. and *Pseudomonas* sp. Inoculants under different storage conditions. *Journal of food Legumes* **22**(4): 280-282.
- **Singh, Pratibha** and Chandra, Ramesh. (2009). Comparative Performance of Liquid and Carrier Based Inoculants of *Mesorhizobium ciceri* and PGPR under Field Conditions. 4th Uttarakhand State Science & Technology Congress, 10-12 November, 2009.
- **Singh, Pratibha**; Srivastava, P. C.; Singh, S. K. and Singh, A. P. (2006). Evaluation of Organics Incubated with Zinc Sulphate as Zn Source for Rice-Wheat Rotation. *J. Eco-friendly Agriculture* **1**(2): 120-125.
- Singh, A.P. and **Sahai, Pratibha** (2011). Role of water-soluble fertilizers to increase wheat productivity under rainfed conditions of Uttarakhand. 44th Annual Convention of ISAC & National Symposium on "Balanced Fertilization to Sustainable Soil Health Crop Production and Food Security". 25-26 November, 2011.
- Meena O.P., Sammauria R., **Singh Pratibha**, Meena K.K., Yadav M.R. and Yadav H.L. (2018). Crop Diversification of Predominant Pearl millet based Cropping System for Higher Productivity, Use Efficiency and Profitability. *Int. Conference on Global Research Initiatives for Sustainable Agriculture and Allied Sciences*. 28-30 October, 2018.
- Singh, A. P.; Singh, Room; and **Singh, Pratibha** (2006). Impact of Paper Mill Effluent on Germination and Growth Behavior of Some Field Crops. *Pantnagar Journal of Research* **4** (1):66-70.
- Gupta S, Kumar S, Sharma S, **Singh Pratibha** and Janngir M (2023). Integrated use of herbicides and different fertility levels in suppressing the weed species in Indian mustard. *Biological Forum – An International Journal* **15** (2):534-540.
- Bairwa P C, Sammauria R, Gupta K C, **Singh Pratibha** and Meena O P (2021). Direct and Residual Effect of Phosphorus Rich Organic Manure on Phosphorous Mobility: It's Use Efficiency and Sustainability in Cluster Bean- Wheat Cropping Sequence in Loamy Sand Alkali Soil of Rajasthan. *Journal of Soil Salinity and Water Quality* **13**(1), 86-93, 2021 ISSN:0976-0806
- Sharma S, Sharma L D, Singh S, Gupta S and **Singh Pratibha** (2022). Influence of organic nutrients and bio-inoculants on growth and productivity of pearl millet under semi-arid conditions of Rajasthan. *Indian Journal of Agriculture Research*
- Gupta S, Sharma P K, Kumar S, Sharma S, **Singh Pratibha** and Parashar A (2019). Study of chemical properties and growth parameters of Indian mustard influenced by application of herbicides and fertilizers. *International Journal of Chemical Studies* **7** (3): 3804-3807.

- Meena O P, Sammauria R, Gupta A K, Gupta K C, Behera Biswaranjan, Saxena R, Yadav M R, **Singh Pratibha**, Meena R K, Raza Md B, Anil A S, Lal M K (2022). Energy-carbon footprint vis-à-vis system productivity and profitability of diversified crop rotations in semi-arid plains of North-West India. *Journal of Soil Science and Plant Nutrition*. <https://doi.org/10.1007/s42729-022-00791-2>
- **Singh Pratibha**, Seema Sharma and Sweta Gupta (2022). Effect of nano urea and nano zinc on crop growth, yield and farm productivity of pearl millet (*Pennisetum glaucum*) under semi-arid conditions. Regional Conference on Prioritizing Crop-Specific Technologies for Sustainable Profitability under theme Cereal Crops during 29-30 Apr., 2022. IISR, Lucknow
- **Singh Pratibha**, Gupta K C and Meena O P (2022). Effect of Diversification of Cropping Systems on Chemical Properties of Soil. National Seminar on Sustainable Food Production Systems for Self Reliant and Climate Resilient Agriculture. 16th -18th June, 2022 at UAS, Dharwad.
- Yadav Maya, Meena O P, Yadav LR, Shivran AC, Meena KK, Yadav MR, **Singh Pratibha** and Meena RK (2022). Nitrogen and cutting management of dual-purpose barley (*Hordeum vulgare*) varieties for their production potential and profitability. *Indian Journal of Agronomy* 67 (4): 368-372
- R Sammauria, Harphool Singh, M R Yadav, Pratibha Singh1, O P Meena, K C Gupta and Rakesh Kumar (2025). Assessment of environmental impact, energetics and productivity of small-farm integrated farming system model under irrigated situation of semi-arid ecosystem of India *Indian Journal of Agricultural Sciences* 95 (3): 255–259

Books:

- **Sahai Pratibha**, Singh Ajay Pratap, and Chandra Ramesh (2013). Development and Evaluation of Liquid Inoculants. *Published by Scholar's Press, Germany* (ISBN: 978-3-639-70186-9)
- Gupta Shweta, Sharma Seema, **Singh Pratibha** and Daroga Shivprasad (2021) *Kharpatwar Nirdeshika* Division of Agronomy, RARI, Durgapura, SKNAU, Jobner
- Gupta Shweta, Sharma Seema, Singh Shailendra, **Singh Pratibha** and Daroga Shivprasad (2021)
- *Weed Manual*. Division of Agronomy, RARI, Durgapura, SKNAU, Jobner

Book Chapters:

- **Singh Pratibha** and Singh A. P. (2021) Nanomaterials in Soil Health Management and Crop Production: Potentials and Limitations. *In: Handbook of Nanomaterials and Nanocomposites for Energy and Environmental Applications*, Springer Nature Switzerland
- **Singh Pratibha**, Sammauria R, Singh M, Singh S K, Jatav H S, Mehjabeen, Yadav M R and Dwivedi A K (2021) Rhizobia: A Potent Tool for Amelioration of Drought Stress in Legumes. *In: Plant Growth Regulators*, Springer Nature
- **Pratibha Singh**, Singh M, Gupta Shilpi, Singh A. P., Singh A, Gupta Shweta and Sharma S. Nano Techniques for Efficient Fertilizer Management. *In: Ecosystem Services: Types, Management and Benefits*. Nova Science Publishers
- Singh A, Rajput P, Chopra R, Ankush, Singh S, Singh A and **Singh Pratibha** (2021) Application of Nanomaterials in Agriculture and Environment Management. *In: Microbial Synthesis of Nanomaterials*. 163-177. Nova Science Publishers ISBN: 978-1-53619-896-6
- Kumar D, Yadav M R, Makrana G, Rajput Vishnu D, Biswal B, Kashyap S, Kumar Rakesh, **Singh Pratibha** and H S Jatav. Effects Uptake Translocation and Toxicity of Ti based Nanoparticles in plants. *In: Toxicity of Nanoparticles in Plants*. Academic Press, Elsevier

Booklet, Bulletin, Compendium:

- Yadav M R, Singh Harphool, **Singh Pratibha**, Jat Lokesh, Sammauria Rakesh, Gupta Shweta, Khangarot Anju and Saxena Rani. 2025. Scope and Opportunities for Adoption of Integrated Farming system models in Semi-Arid Eastern Plain of Rajasthan SKNAU/2025/138, RARI, Durgapura, SKNAU, Jobner.
- **Singh Pratibha**, Sammauria R, Gupta K C, Sharma S, Gupta S, Jat R S, Daroga S and Kumar P.

2023. Krishi Kshetra Mein Nano Urvarko Ka Mahatva Evam Upyog. SKNAU/2023/19, RARI, Durgapura, SKNAU, Jobner (**Bulletin**)

- **Singh Pratibha**, Sammauria Rakesh, Singh Surendra and Gupta Shweta. 2019. Soil Health Management and plant Nutrition under changing Climate Scenario. Division of Soil Science and Agril. Chemistry, RARI, Durgapura, SKNAU, Jobner. (**Compendium**)
- Raverkar K P, Chandra S, Pareek N, Singh G, Krishna D, **Singh Pratibha.**, Shukla A N (2011). Agro- Technology for enhancing water and crop productivity of Rice, Wheat and Vegetable Pea in Uttarakhand. Department of Soil Science, G.B. Pant University of Agriculture & Technology (**Bulletin**)
- Singh Shailendra, Gupta Shweta, Sharma Seema, **Singh Pratibha** and Daroga Shivprasad 2020. Crop Contingent Plan. Division of Agronomy, RARI, Durgapura, SKNAU, Jobner (**Booklet**)

Articles:

- **Singh Pratibha**, Gupta S and Sharma S (2022). Gehnu Ki Behtar Upaj mein Nano Urea Ka Yogdan. *Rajasthan Kheti-Pratap*. 19 (6): 25-26.
- **Singh Pratibha**, Gupta K C, Meena O P and Baloda A S (2022). Integrated Farming System: Key for Sustainable System. *Just Agriculture* 3 (1): 1-6.
- **Singh Pratibha** (2021). Phasal Utpadan mein Nano Urea Ka Mahatv evam Upyog. *Abhinav Krishi*. Vol 3 (2): 44-45.
- **Singh Pratibha** (2021). Kharif Ki Praamukh Phaslo mein Khad evam Urvarak Prabandhan. *Harit Kranti*. 2021, pp 5.
- **Singh Pratibha**, Kumar Vijay, Malik Ankit and Arya Minakshi. 2020. Tikau Kheti Ke liye Bhumi Ki Urvara Shakti Ka Prabandhan. *Rastriya Krishi*. 15 (1) 21-23.
- **Sahai, Pratibha and Singh, A.P.** (2018). Phasal Utpadan mein Boron ka Mahatav. *Kheti*, 42-45.
- **Sahai, Pratibha, Singh, A.P. and Chandra Ramesh** (2014). Biofertiliser - A Renewal Source of Plant Nutrients. *Indian Farmers' Digest*, 2: 11-14.
- Kumar Vijay, Arya Minakshi, Malik Ankit and **Singh Pratibha**. 2020. Kisano Ki Aaya Badane me Saksham Meethi Makka (Sweet Corn) Ki Kheti. *Rastriya Krishi*. 15 (1) 21-23.
- Surendra Singh, Shailendra Singh, Sweta Gupta and **Pratibha Singh** (2019). Vishva mein Kapas Utpadan ka Pardishya. *Harit Kranti* 41 (21): 05.

Folders:

- **Singh Pratibha**, Singh Harphool, Yadav M R, Sammauria Rakesh, Sharma Seema and Jat Lokesh 2025 Samanvit Krishi Pranali: *Mrida Swasthaya Ka Aadhar*. SKNAU/2025/138, RARI, Durgapura, SKNAU, Jobner.
- **Singh Pratibha, Dadhich S K, Parewa H P, Singh Ajeet**, Jat Lokesh and Jantwal R S. 2025 *Apno Maati Pahchano*. SKNAU/2025/90, RARI, Durgapura, SKNAU, Jobner
- **Singh Pratibha**, Sammauria R, Meena, O P, Gupta S, Yadav M R and Kumar P 2023. Gehnu Ki Phasal Mein Nano Urea Ke Saath Urvarak Prabandhan. SKNAU/2023/20, RARI, Durgapura, SKNAU, Jobner.
- **Singh Pratibha**, Sharma S, Saxena R, Bajia R S, Jat R S and Daroga S 2023. *Bajra Ki Phasal Mein Nano Urea Ke Saath Urvarak Prabandhan*. SKNAU/2023/21, RARI, Durgapura, SKNAU, Jobner.
- **Singh Pratibha**, Gupta Shweta, Singh Surendra, Singh Shailendra, Sharma Seema and Daroga Shivprasad 2021. Importance of biofertilizers in crop production. Division of Soil Science and Agril. Chemistry, RARI, Durgapura, SKNAU, Jobner.
- **Singh Pratibha**, Gupta K C, Meena O P and Sharma Seema 2021. Vermicompost. Division of Soil Science and Agril. Chemistry, RARI, Durgapura, SKNAU, Jobner.
- **Singh Pratibha**, Gupta K C, Meena O P and Gupta Shweta 2021. Azolla: Ek Purak Pashu Aahar. Division of Soil Science and Agril. Chemistry, RARI, Durgapura, SKNAU, Jobner.
- **Singh Pratibha**, Gupta K C, Meena O P, Sharma Seema, Gupta Shweta and Bairwa P C. 2021. Jav Apghatak: Phasal Avshesho Se Compost Banane Ka Aasaan Tarika. Division of Soil Science

and Agril. Chemistry, RARI, Durgapura, SKNAU, Jobner.

- Gupta S, Seema S, **Singh Pratibha**, Yadav M R and Daroga S 2023. Weed Management in Pearl millet. Division of Agronomy, RARI, Durgapura, SKNAU, Jobner.
- Seema S, Sharma L D, Sharma S K, **Singh Pratibha** and Bajia R S 2022. Bajra Ki Shankar Kisme. Division of Agronomy, RARI, Durgapura, SKNAU, Jobner.
- Bairwa P C, Chawla Nitin and **Singh Pratibha** 2021. Vermicomposted Phosphorus Rich Organic Manure (PROM). Division of Soil Science & Agril. Chemistry, RARI, Durgapura, SKNAU, Jobner
- Gupta Shweta, Singh Surendra, Singh Shailendra, Sharma Seema, **Singh Pratibha** and Daroga Shivprasad 2021. Weed management in *Kharif* Crops. Division of Agronomy, RARI, Durgapura, SKNAU, Jobner.
- Singh Surendra, Gupta Shweta, Singh Shailendra, Sharma Seema, **Singh Pratibha** and Daroga Shivprasad 2021. Integrated Weed Management in *Rabi* Crops. Division of Agronomy, RARI, Durgapura, SKNAU, Jobner.
- Gupta Shweta, Sharma Seema, Singh Shailendra, Singh Surendra, **Singh Pratibha** and Daroga Shivprasad 2021. Management of Carrot grass. Division of Agronomy, RARI, Durgapura, SKNAU, Jobner.
- Dadhich S.K., Bairwa P.C., Singh A., **Singh Pratibha** and Dogra Prena (2018). *Santulit Poshak Tatva Prabandhan Mein Sulphur evam Jasta ka Mahatva*. Published by Division of Soil Science & Agril.

TRAINING / SUMMER/WINTER SCHOOL/WEBINAR/SEMINAR ORGANISED

- Organized as **Course Director, ICAR sponsored 21 days Summer School** entitled “Soil Health Management and Plant Nutrition under Changing Climate Scenario” during 02-22 Sept., 2019.
- Organized a one-day **Webinar** as **Organizing Secretary**, entitled “Nanotechnological Interventions in Agriculture” on 14th October, 2020 at Rajasthan Agricultural Research Institute, SKNAU, Jobner.
- Organized one day **National Workshop** as **Co-organizing Secretary** entitled “Diversifying Dairy Farming towards Entrepreneurship: Ways to Boost the Dairy Sector and its Sustainability” on 16th Jan, 2021 at SKNAU, Jobner.
- Organized **two days Training** as **Organizing Secretary**, entitled “Practices on Kharif Crops” during 16-17 July, 2023 at Rajasthan Agricultural Research Institute, SKNAU, Jobner.
- Organized as **Organizing Secretary** one day **National Workshop on Role of Nanofertilizers in Agriculture**” on 2nd Mar, 2023 at RARI, Durgapura, Jaipur (SKNAU, Jobner) Rajasthan

TRAININGS ATTENDED

- Attended a ICAR sponsored 21 days Winter School entitled “*New Directions for Integrated Weed Management: Modern Technologies, Tools and Knowledge Discovery*” organized by ICAR-DWR, Jabalpur, during 07-27th January, 2025
- Attended a ICAR sponsored 21 days Winter School entitled “Skilling of Rural Youths for Employment Generation in Agriculture” organized by MPUAT, Udaipur during 04-24th January, 2022.
- Attended a 21 days National Training Course on “Entrepreneurship Strategies in Agriculture, Horticulture, Animal Husbandry & Allied Sectors for Economic Development of India” jointly organized by Directorate of Extension Education, Uttar Banga Krishi Vishwavidyalaya, W.B. and Agro Environmental Development Society, Rampur (U.P.) during 01-21st December, 2021.
- Attended a 21 days Orientation Training Programme organized by SKNAU, Jobner during 06-26, Feb, 2020.
- Attended a one-day Training Course on Organizing Online courses organized by HCM Rajasthan State Institute of Public Administration, Jaipur on 29 June, 2020.
- Attended a Training Workshop for Women Scientists on "Role of Scientists in Biodiversity Conservation" during October 25-29, 2010 organized at Wildlife Institute of India, Dehradun.

- Attended a Workshop cum Hands-on-Training on "HPLC and UV spectroscopy in Quality Control & Research" during December 15-16, 2010 organized by Dolphin (PG) Institute of Biomedical & Natural Sciences, Dehradun.
- Attended a "Regional Workshop cum Training on "Soil Science" during March 14-15, 2008 organized at G. B. Pant University of Agric. & Tech. Pantnagar, (Uttarakhand).

CONFERENCE/CONGRESS/WORKSHOP ATTENDED

- ❖ Sixth International Agronomy Congress on Re-envisioning Agronomy for Smart Agri-food Systems and Environmental Stewardship during 24–26 November, 2025 at ICAR-Indian Agricultural Research Institute (ICAR-IARI), New Delhi
- ❖ First International Farming System Conference-2025 “ Transforming Food, Land and Water Systems under Global Climate Change” during 07-09 March, 2025 organized by Farming System Research and Development Association at Modipuram , Meerut, India
- ❖ STAR National Conference- 23-25 Feb, 2025 organized by Science and Technology Application Remodel, Society, Jaipur
- ❖ XVII Agricultural Science Congress & ASC Expo “Frontier Sciences and Technologies in Agriculture for a Developed India” during 20-22 Feb., 2025 organized by NAAS, New Delhi at GBPUAT, Pantnagar.
- ❖ Fifth National Brassica Conference- 07-09 Feb, 2024 organized by Society for Rapeseed Mustard, Bharatpur
- ❖ 1st International Extension Education Congress, 18-20 Dec, 2023, organized by Indian Society of Extension Education
- ❖ National Seminar on sustainable “Food Production System for Self-Reliant and Climate Resilient Agriculture” during 16-18 June, 2022 organized by UAS, Dharwad, India
- ❖ Regional Conference on Prioritizing “Crop-Specific Technologies for Sustainable Profitability” under theme Cereal Crops during 29-30 Apr., 2022 organized at IISR, Lucknow
- ❖ Attended International Conference on Recent Advances for Managing Sustainable Soil Health and Crop Production during February 18-20, 2022.
- ❖ Attended a Global Symposium on Salt-affected Soils – GSAS21 organized by Food and Agriculture Organisation of the United States (FAO) on 20-22 October, 2021.
- ❖ Attended a *National Webinar on Recent Advances in Soil Microbiological Research with a Special Thrust to Biofertilizer Technology*. BAU, Sabour. 25th August, 2020.
- ❖ Attended a International Webinar on Global Food Security and Agricultural and Agriculture Practice after COVID-19 Pandemic on 22 June, 2020 organized by JNKVV, Jabalpur.
- ❖ Attended a Webinar on Rural Entrepreneurship Motivation organized by Tata Institute of Social Sciences, Tuljapur Campus, Mumbai on 27 May, 2020.
- ❖ Attended a 3 days Webinar on Post COVID Agriculture during 21-23 May, 2020 organized by Vivekanand Global University, Jaipur
- ❖ Attended a Webinar on International Biodiversity Day: “Our Solutions are in Nature” on 22nd May, 2020 organized by Department of Science and Technology in association with Rajasthan Biodiversity Board, GOR.
- ❖ Attended a International Conference on Global Research Initiatives for Sustainable Agriculture and Allied Sciences. 28-30 October, 2018.
- ❖ Attended a National Seminar on ‘Climate Resilient Practices in Chickpea’ 29th Oct., 2017 Lucknow.
- ❖ 44th Annual Convention of ISAC & National Symposium on "Balanced Fertilization to Sustainable Soil Health Crop Production and Food Security". 25-26 November, 2011 at Pantnagar.
- ❖ Attended a 4th Uttarakhand State Science & Technology Congress, November 10-12, 2009 organized at G. B. Pant University of Agric. & Tech. Pantnagar, (Uttarakhand).
- ❖ Participated in Farmers Training Programme on “Integrated Nutrient and Water Management” under Farmer Participatory Action Research Programme funded by Ministry of Water Resources

- during May 08-09, 2008 at G. B. Pant University of Agric. & Tech. Pantnagar, (Uttarakhand).
- ❖ Attended a workshop on "Production, Livelihood and Environment Security (WAMSP-2005)" during May 19-21, 2005 organized at G. B. Pant University of Agric. & Tech. Pantnagar, (Uttarakhand).

SEMINAR/PRESENTATION

- ❖ Oral paper presentation on "Effect of Nano Urea on performance of Wheat" during International Conference on Recent Advances for Managing Sustainable Soil Health and Crop Production February 18-20, 2022.
- ❖ Oral presentation on "Study on effect of foliar feeding of Nano Nutrients on Groundnut Crop Performance and Soil Properties under semi-arid conditions of Rajasthan". *National Webinar on Recent Advances in Soil Microbiological Research with a Special Thrust to Biofertilizer Technology*. BAU, Sabour. 25th Aug., 2020.
- ❖ Oral presentation on "Principle, Operation and Handling of High-Performance Liquid Chromatography and UV-VIS spectrophotometer" in Workshop cum Hands-on-Training on "HPLC and UV spectroscopy in Quality Control & Research" during December 15-16, 2010 organised by Dolphin (PG) Institute of Biomedical & Natural Sciences, Dehradun.
- ❖ Oral presentation on 'Comparative Performance of Liquid and Carrier Based Inoculants of *Mesorhizobium ciceri* and PGPR under Field Conditions' in Uttarakhand State Council for Science & Technology (UCOST), Dehradun.
 - ❖ Seminar presentation on 'Micronutrients and Secondary Nutrients Status in Uttarakhand Soils' at PhD level.
 - ❖ Seminar presentation on 'Best Management Practices for Bioremediation of contaminated Soils' at PhD level.

EXTENSION ACTIVITIES

- ❖ **TV Talks:**
 - *Kharif faslo mein Urvarak Prabandhan* on 08.06.21 at Krishi Darshan, DD Rajasthan. Youtube link: <https://youtu.be/PX7dvDdilhk>
 - *Vermicompost Kaise Banayein* on 05.08.21 at Krishi Darshan, DD Rajasthan. Youtube link: <https://youtu.be/Gpjdh3bZZPo>
 - *Kharif Ki Khadi Faslon Mein Urvarak Prabandhan* on 10.08.2022 at Krishi Darshan, DD Rajasthan. Youtube link: <https://youtu.be/zBRcmWAmGIU>
 - *Rabi Ki Pramukh Faslon Mein Urvarak Prabandhan* on 19.12.22 at Krishi Darshan, DD Rajasthan. Youtube link: <https://youtu.be/zBRcmWAmGIU>
 - *Mrida Parikshan ka Mahatv* on 29.05.24 at Choupal DD Kisan
- ❖ **Radio Talks:**
 - *Fasal Utpadan Mein Jav Urvarko Ka Mahatav* on 19.10.19 at AIR, Aakashwani, Jaipur
 - *Santulit Poshak Tattav Prabandhan* on 27.01.21 at AIR, Aakashwani, Jaipur
 - *Nano Urvarko ka Mahatav evam Upyog* on 19.05.21 at AIR, Aakashwani, Jaipur
 - *Jivanu Khad Ki Upyogita* 10.09.21 at AIR, Aakashwani, Jaipur
 - *Rabi Fasalon Mein Poshak Tattav Prabandhan* on 13.01.2023 at AIR, Aakashwani, Jaipur
 - *Sukshm Poshak Tattav Prabandhan* on 10.05.2023 at AIR, Aakashwani, Jaipur
 - *Samanvit Poshak Tattav Prabandhan* on 15.09.23 at AIR, Aakashwani, Jaipur
 - *Rabi Faslo Mein Samanvit Urvarak Prabandhan* on 30.09.25 at AIR, Aakashwani, Jaipur
- ❖ **Lectures in Trainings:** Delivered lectures on different Agricultural technologies for sustaining the productivity and conserving the soil health to the Extension workers AO/AAO/ARO/AD/Farmers/Students

MEMBER OF PROFESSIONAL SOCIETIES

- Life Member of Indian Society of Soil Science, New Delhi
- Life Member of Indian Society of Soil Survey & Land Use Planning, Nagpur
- Life member of Society of Extension Education
- Life Member of Society of Wheat and Barley Research, Karnal
- Life Member of Society of Rapeseed Mustard Research, Bharatpur
- Life Member of Farming System Research and Development Association, Meerut
- Life Member of Indian Society of Weed Science, Jabalpur
- Member of Indian Journal of Agricultural Sciences, New Delhi
- Member of Indian Society of Pulse Research and Development

MEMBER OF EDITORIAL BOARD/REVIEWER

- Editor of SKNAU Newsletter (Quarterly).
- Editor of RARI Bulletin (Yearly)
- Editor of RARI Newsletter (Quarterly)
- Review Editor of Pantnagar Journal of Research
- Member of Editorial Board of Just Agriculture
- Academic Councillor of IGNOU
- Reviewer of Journal of Cereal Research
- Reviewer of British Journal of Translation Linguistics and Literature
- Reviewer of PLOS ONE

EXTRA CURRICULAR INVOLVEMENTS

- ❖ In-charge Central Research Laboratory of Rajasthan Agricultural Research Institute, Durgapura.
- ❖ Warden, Girls Hostel, RARI, Durgapura, Jaipur
- ❖ Co-coordinator of RAWE Programme.
- ❖ Member and active participation in Kisan Mela-2020 at College of Agriculture, SKNAU, Jobner.
- ❖ Active participation in National Service Scheme.
- ❖ Got first prize in English to Hindi Translation competition during Hindi Week – 2012 at ICFRE, Dehradun.

PERSONAL DETAILS

Date of Birth : 02/02/1982 Sex : Female
Permanent Address: VPO-Bhanpur, Distt: - Basti (U.P.) - 272194
Correspondence Address: A-015, Anukamapa Residency, Shanti Nagar, Durgapura, Jaipur-302018

DECLARATION

I hereby declare that the information given above is true to the best of my knowledge and belief and no details have been misrepresented or have been withheld.



(Pratibha Singh)