



Name of Faculty: Dr. KAVITA SOLANKI

Designation: Assistant Professor

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Contact No: +91- 7247500949

Educational Qualification: Ph. D (Agronomy), M.Sc. (Agronomy), B.Sc. (Agriculture)

Total Experience:

Academic: 0 yrs 03 months | Industry: 0 yrs | Research: 0 yrs

Areas of Interest: Teaching and Research

Brief Profile:

Research publications in International Journal:

- i. **Solanki, K.**, Pandey, I. B., Kumar, M., Singh, R. S., Prasad, S. S. and Pradhan, J. (2023). Effect of planting pattern, fertilizer levels and weed management practices on system productivity and economics of Pigeonpea-based intercropping system. *Journal of Experimental Agriculture International*, **45**(11): 49-57.
- ii. **Solanki, K.**, Choudhary, S. K., Singh, A., Maurya, S., Shukla, S., Yadav, S., Kumar, A. and Singh, R. D. (2023). Response of combined application of nutrient levels with microbial strains on crop growth, nodulation and yield of soybean. *International Journal of Environment and Climate Change*, **13**(12): 919-924.
- iii. **Solanki, K.**, Choudhary, S. K., Aakash, Singh, V., Nath, H. and Kumar, A. (2022). Response of *Bacillus megaterium* and *Bacillus mucilaginosus* strains on growth and nutrient uptake of soybean. *International Journal of Plant & Soil Science*, **35**(21): 267-276.
- iv. **Solanki, K.**, Choudhary, S. K., Aakash, Singh, V., Singh, A. and Birla, D. (2023). Response of *Bacillus megaterium* and *Bacillus mucilaginosus* strains on yield and

- quality of soybean. *International Journal of Environment and Climate Change*, **13**(11): 776-783.
- v. Singh, S., Chanda, S. S., Singh, S., Pandey, D., Singh, A. and **Solanki, K.** (2022). Effect of nitrogen and zinc on growth, yield and economics of late sown wheat. *Scientist*, **1**(3): 6101-6108.
- vi. Birla, D., Pandey, I. B., Gajanand, Singh, D., Ranjan, P., **Solanki, K.** and Sandeep, S. N. (2023). Effect of tillage and weed management practices on dry matter, yield and nutrient uptake by plant and depletion by weed in Lentil crop (*Lens culinaris* M.) *International Journal of Environment and Climate Change*, **13**(9): 288-298.
- vii. Dudwal, S. K., Choudhary, S. K., **Solanki, K.**, Bochalya, Choudhary, S. and Parihar, O. P. (2023). Influence of Various Organic Nitrogen Sources on Rice Plant Height and Dry Matter in a Rice-Wheat Cropping System. *Frontiers in Crop Improvement*, **11**(5): 3062-3063.
- viii. Singh, A., Singh, A. K., Kumar, A., Singh, A. K., Yadav, S., **Solanki, K.**, Srivastav, S. K., Singh, R. D., Mishra, P., Gupta, S., Simmi and Singh, S. (2024). Effect of Pre- and Post-emergence herbicide on weed growth and productivity of summer Mungbean (*Vigna radiata*). *International Journal of Environment and Climate Change*
- ix. **Solanki, K.**, Choudhary, S. K., Aakash, Saxena, S., Pradhan, J., Ram, N., Singh, S. K. and Bhayal, D. (2024). Unlocking Soybean's Potential: Bacillus Strains Drive Soybean Growth, Yield, Nodule Characteristics, Nitrogen Fixing Capacity and Efficiency. *Journal of Environmental Biology*. (Under Review)

Papers presented in National Conferences:

- **Kavita Solanki**, I. B. Pandey, Vikram Bharati, Aakash and Kanhaiya Lal. Effect of Nutrient Levels and Weed Management Practices on System Productivity and Economics of Pigeonpea-Based Intercropping System. National Conference on Livelihood and Food Security through Agriculture and Applied Sciences (LFSAAS-2023) organized by Society for Agriculture Innovation and Development, Ranchi on 5th November, 2023.

International/National Conference & Workshops Attended:

- SHORT COURSE on “Agronomic research for food security and environmental stewardship in changing scenarios organized by The Indian Society of Agronomy during 20-29 June, 2024
- Participated in “INTERNATIONAL AGRICULTURE CERTIFICATE COURSE-CUM-TRAINING PROGRAM” on PRIME MINISTER & MINISTRY OF AGRICULTURE & FARMERS' WELFARE SPONSORED AGRICULTURE SCHEME & INDIAN AGRICULTURE VISION- 2050 from 1-30 April, 2024
- Participated in DST-SERB sponsored one day research training programme on Gene Expression analysis using Real Time PCR (qPCR approach) on 8th January, 2024
- Participated in 1st International Agriculture Conference on “Natural vs Organic Farming: In context to Bharatiya Agriculture” organized by Gujarat Natural Farming and Science University, Anand from 24-26 December, 2023
- Certificate of participation at 3rd National Conference on Livelihood and Food Security through Agriculture and Applied Sciences (LFSAAS-2023) organized by Society for Agriculture Innovation and Development, Ranchi on 5th November, 2023
- Certificate of participation at Borlaug Institute for South Asia (BISA), Pusa, Bihar for completing one day training on ‘Climate Resilient Agriculture’ on 12th December, 2022
- E-Certificate of One Week International Faculty Development Program on “Improving Writing Skills of Early Career Researchers’ organized by SKAUST-K & Just Agriculture Education Group from 15-21 December, 2022
- Certificate of participation as TRAINEE in the Two Weeks High-End Workshops on REMOTE SENSING AND DIGITAL IMAGE PROCESSING OF SATELLITE DATA FOR ECO-SYSTEM MONITORING organized by Rani Lakshmi Central Agricultural University, Jhansi from 10-23 January, 2022

- E-Certificate of participation in “Mass Awareness Campaign on Organic Farming: North Eastern Hill Region of India” organized by ICAR Research Complex for NEH Region, Umiam, Meghalaya & All India Network Programme on Organic Farming (AI-NPOF), ICAR-IIFSR, Modipuram, U.P. on 5th August, 2022
- E-Certificate of participation in ‘Remote Sensing and Machine Learning Technology for Precision Farming’ organized by Anand Agriculture University, Anand on 29th November, 2021
- E-Certificate of participation in National Webinar on "Role of Agricultural Sector in Resilience of Indian Economy amid COVID 19 Pandemic” organized by Bihar Agricultural University, Sabour, Bhagalpur on 25th September, 2020
- E-Certificate of participation in National Level Online Quiz on “Importance of Beneficial insects in Agriculture” organized by Department of Agriculture, Mandsaur University, Mandsaur on 11-12 August, 2020

FDP Attended:

- One Week International Faculty Development Program on “Improving Writing Skills of Early Career Researchers’ organized by SKAUST-K & Just Agriculture Education Group from 15-21 December, 2022

Awards/Recognitions:

- Best oral presentation award in 3rd National Conference on Livelihood and Food Security through Agriculture and Applied Sciences (LFSAAS-2023) organized by Society for Agriculture Innovation and Development, Ranchi on 5th November, 2023.
- Young Professional Award in 3rd National Conference on Livelihood and Food Security through Agriculture and Applied Sciences (LFSAAS-2023) organized by Society for Agriculture Innovation and Development, Ranchi on 5th November, 2023.
- Best Article Award for Herbicidal Action of Auxin, *Agriculture & Food e-*

Newsletter. 3(7), ISSN:2581-8317 [2021]

- Best Article Award for Water Management in Multiple Cropping System, *Just Agriculture. 3(11), ISSN:2581-8317 [2021]*
- Acquired first position in essay writing competition on National Voter's Day [2015]
- Certificate of acquiring first position in KABADDI [2013]

Membership of Professional Bodies:

- Annual member of Society for Agriculture Innovation and Development, Ranchi

Other Achievements:

- Diploma in Computer Applications (D.C.A.) [2017]
- Qualified ASRB-NET [2021]