

Dr. Uday Pratap Shahi

Professor & Head, Soil Science

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Education:

M.Sc. Ag. and Ph.D., Soil Science (Minor in Agronomy), G.B. Pant University of Agriculture & Technology, Pantnagar, US Nagar, Uttarakhand

Discipline and specialization:

Soil Science- Soil Chemistry/ Fertility/ Soil fertility and nutrient management, Soil pollution, Crop weather interactions.

Research/teaching experience:

- More than 18 years teaching and research experience as Assistant Professor, Associate Professor and Professor in the field of soil fertility, micronutrient management and heavy metals contamination in soil and water
- More than 5 years research experience as Senior Research Fellow under UPCAR, ICAR, NATP and DST sponsored projects
- Teaching various courses of Soil Science at UG and PG levels.
- Guided 14 M.Sc. Ag. and 7 Ph.D. students and members advisory committee of 100 PG/PhD students

International training/advance exposure:

- Paper presented in CleanUp 2019, International Contaminated Site Remediation Conference incorporating 2nd International PFAS conference from 8-12 September 2019 at Adelaide Convention Center, Adelaide, Australia
- Paper presented in CleanUp 2017 the 7th International Contaminated Site Remediation Conference incorporating 1st International PFAS conference from 10-14 September at **Melbourne, Australia**
- Attended workshop on "Innovative visualization, modeling and optimization tools for improving remediation efficiency" during 10-14 September at **Melbourne, Australia**
- Training on "Establishing e-learning centers to enhance agriculture education in India" from July 16-27, 2012 at **Cornell University, College of Agriculture and Life Sciences, Ithaca, NY, USA**
- Training course on "Application of Geo-Informatics and Remote Sensing in Agriculture Land Use Management" from Dec 27 to Jan 9, 2013 at CGIRT, CSKHPAU, Palampur, HP

Awards/Recognitions:

- Cleanup Scholarship 2019 by CRCCARE New Castle University Australia
- Cleanup Scholarship 2017 by CRCCARE New Castle University Australia
- Best Poster Presentation award during Global Cleanup Congress 2018 from 22-24 October at Le Meridian Coimbatore
- Certificate of Appreciation by Vice –Chancellor SVPUAT Meerut in year 2018
- Vishisht Shikshak Puraskar-2016 from Uttar Pradesh Academy of Agricultural Sciences
- Out Standing Achievement Award 2018 from the Ending Conferences Pune
- Distinguished Scientist award 2016 from the society of S&T SIRI during National conference ARISE-2016 on 21 May at Kakaitya University Warangal, Telangana.
- Young Scientist associate award 2010' for understanding and recognition in the field of soil science from Society for Recent Development in Agriculture on 12 September, 2010
- Best Scientific Poster presentation award in National conference on Swadeshi Vigyan: Tradition and Modern focus- health, agriculture and water held at New Delhi on Dec 28, 2000.

Publication:

Published 21 book chapters/training manual, 110 research papers in peer reviewed journals, 60 popular articles in different reputed magazines, and presented 70 papers in national and international seminar/symposia. Some important research papers are as follows:

- **Shahi, U.P.**; Suman Kumar; Singh, N.P.; Chaubey, A.K. and Yogesh Kumar. 2007. Varietal discrimination of potato using remote sensing technique. *Journal of Indian Society of Remote Sensing*. 35 (1) 53-65.
- **Shahi U.P.**, Singh V.K., Singh Abhinav, Upadhyay P.K. and Rai P.K. 2022. Site-specific nutrient management: impact on productivity, nutrient uptake and economics of rice-wheat system, *Indian Journal of Agricultural Sciences* 92(2): 195–8

- **Shahi U.P.**, Singh V.K., Singh Abhinav, Singh Prem, Dhyani B.P. and Singh Anand. 2020. Effect of site-specific nutrient management on productivity, soil fertility and nutrient uptake in maize (*Zea mays*), *Indian Journal of Agronomy*, 65(4):432-438
- Singh Anand , **Shahi U.P.**, Dhyani B.P., Ashok Kumar , Satendra Kumar , Vivek and Ashok Kumar..2021. Response of bread wheat and nutrient removal with new micronutrient molecules fertilization, *Indian Journal of Agricultural Sciences* 91 (5): 708–12,
- Bamal P.S., Kumar Vineet, John Jeny K., Tyagi S.K., Malik V., **Shahi U.P.**..2023. High urinary trace element concentrations: A possible indicator of urolithiasis in goats?, *Journal of Trace Elements and Minerals* 4 (2023) 100060:1-5
- Gupta Smita, Singh A., Kumar Ashok, **Shahi, U.P.**, Sinha N.K. and Roy, S. 2018. Yield forecasting of wheat and mustard for western Uttar Pradesh using statistical model, *Journal of Agrometeorology*, 20(1) 66-68.
- Srivastava, B.K., Singh, M.P., Singh, Sobaran, **Shahi, U.P.**, Srivastava, P. and Shashi Lata. 2011. Evaluation of INM options on crop performance and soil fertility under tomato-green manure-brinjal cropping system, *Indian Journal of Horticulture*, 68 (1):66-70.
- Kumar, Ashok, **Shahi, U. P.**, Dhyani, B. P., Naresh, R. K., Suhel Sardar, Kumar, Y. and Raj Bahadur. 2011. Impact study on ground water quality and physico- chemical properties of farm lands irrigated with post-methanated distillery effluent. *Indian Journal of Agricultural Sciences* 81 (9):852-4.
- Srivastava, B.K, Singh,M.P., Singh,S., S.,Lata, Singh, P. and **Shahi, U.P.** 2009.Effect of integrated nutrient management on the performance of crops under brinjal-pea-okra cropping system. *The Indian Journal of Agricultural Sciences*. 79(2)91-93.
- Kumar Harshit, Dhyani B.P., **Shahi U.P.**, Kumar Ashok, Vivek, Tomar Akash and Singh Anand. 2021.Effect of Zinc and Vermicompost Application on Zinc Content, Uptake and Yield of Late Sown Wheat (*Triticum aestivum* L.) *Journal of the Indian Society of Soil Science*, 69(3): 339-343

Administrative/Management Experience

- Hostel Warden from 2012-2022
- Asstt Placement Officer/Assoc Director Placement of COA, from 2009-2022
- Nodal Officer for ICAR since 2019
- Nodal Officer for UGC
- University Coordinator URKUND PDS
- In-charge, Rober S. Zeiglar Central Lab (Established by IRRI), since 2014
- Co-coordinator, Establishment of E-learning center in the University
- Nodal Officer Agridiksha and Blended Learning Platform (BLP)

Externally funded Project:

- Nodal Officer/PI of the project entitled Gramin Krishi Mausam Sewa (GKMS), funded by the Ministry of Earth Science, Govt. of India.
- PI of the project 'Source, Rate and Time study of POLY4 in Sugarcane in North India (UP)' funded by Anglo American Crop Nutrients India Pvt Ltd.
- PI of the project entitled 'Assessment of POLY-4 (Polyhalite) for productivity, quality of potato and K, S use efficiency in soils of western plain zone of Uttar Pradesh, funded by Sirius minerals Plc London.
- PI in the project entitled 'Balance potassium fertilization under pre-dominant cropping system of Upper Gangetic Plains' funded by Uralkali Trading (Gibraltar) Ltd. Singapore
- Co-PI of the project Seed quality assessment and enhancement technologies, ICAR-IISS Mau
- Co-PI of the project 'center of excellence in basmati rice' funded by Agriculture Education and Research UP Government
- Co-PI in the project entitled 'FASAL: Forecasting Agricultural output using Space, Agro-Meteorology and Land based observations', funded by Ministry of Earth Science, Govt. of India.
- Co-PI in the project entitled 'Stress tolerant rice for South Africa and Asia', funded by IRRI, Philippines
- Co-PI in the project "Scaling up of water productivity in agriculture", funded by ICAR
- Co-PI in the project "Development of organic farming modules", funded by UPCAR, Lucknow
- Co-PI in the project "Utilization of treated biomethanated spent wash for pre-sown land application as basal manure", funded by Bajaj Hindustan Ltd.
- Co-PI in the project entitled Plant health clinic at Hi-Tech Centre of the floriculture research and training funded by state horticulture mission.