

## FACULTY PROFILE FORMAT



1. **Name:** Dr. Amit Mishra
2. **Designation:** Associate Professor
3. **School:** Natural Resource Management
4. **Official Email ID:** [amitkatayani@gmail.com](mailto:amitkatayani@gmail.com)
5. **Area of Specialization:** Soil Science
6. **Research Interests:** Site Specific Nutrient Management, Soil Quality
7. **Highest Educational Qualifications:**

Degree	Subject	University/Institute
Ph.D.	Soil Science	G.B.P.U.A.&T., Pantnagar

### 8. Professional Experience:

Position	Organization	Duration
Scientist Soil Plant Analysis and Associate Scientist	International Rice Research Institute (IRRI) Philippines	Nov 2009- Dec 2017
Assistant Professor	Banda University of Agriculture & Technology, Banda	Jan 2018 to March 2024
Associate Professor	Central Agricultural University Imphal	March 2024 to till date

### 9. Research Projects:

Title	Funding Agency	Budget (In Lakh's)	Duration	Status
Centre of Excellence for Research on Dryland Agriculture	U.P. Government	560	2018-2024	Completed
Evaluation of Poly 4 as source of multi nutrients and optimization of doses on chickpea in Bundelkhand region of India	Sirius Minerals	26.6	2019-2021	Completed
Establishment of Central Laboratory facilities at BUAT, Banda	RKVY, U.P. Government	975	Aug 2020-Aug 2021	Completed
Development of Farm for seed production and research	RKVY, U.P. Government	748	Nov 2020-March 2021	Completed
Evaluation of efficacy of concentrated liquid solution of sulphur (Yara Vita Thiotrac) in Rapeseed & Mustard	YARA Fertilizers India Pvt. Ltd.	3.5	October 2018 -October 2019	Completed
Survey of Rice Growers	CSISA-ISRAC, Varanasi	1.0	May 2019-July 2020	Completed

Improved crop management and strengthened seed supply system for drought prone rainfed low land in south Asia	IRRI	2.8	April 2019- March 2020	Completed
Studies to evaluate the response of Rabi onion to Granu Potash as source of potash in heavy textured soils of Banda district of Uttar Pradesh	Tessengerlo Group, Troonsraat	3.0	Oct 2021- 11/03/2024	Completed
Evaluation of Humic acid (Liquid formulation)5 G in Paddy	IPL Biologicals	2.0	04/01/2022- 31/03/2023	Completed
Evaluation of Iron and Sulphur enriched Seaweed (Granular form)Siron in Mustard	IPL Biologicals	2.0	04/01/2022- 31/03/2023	Completed
Assessment of spatial variability and soil characterization of various research farm and KVK of BUAT, Banda	In House Banda University of Agriculture & Technology, Banda	5.0	07/01/2022 to 11/03/2024	Completed
Standardization and Popularization of Natural Farming for economic empowerment in Bundelkhand region	In House Banda University of Agriculture & Technology, Banda	5.0	07/01/2022 to 11/03/2024	Completed
Popularization of Organic Package of Practices for Selected Crops under Hilly Agro-ecosystems among Scheduled Caste Farming Community of NE India	Indian Institute of Sugarcane Research Lucknow 226 002	26.8	07/01/2024 To 31/03/2025	Completed

## 10. Selected Publications: Research Publications: 40; Book: 02; Book Chapter: 10

- ✓ Vishal Singh, **Amit Mishra**\*, Anand Kumar Chaubey, Jagannath Pathak, Arbind Kumar Gupta, Ashutosh Rai (2026) Influence of nutrient management options on the phosphorus fractions and productivity of the pulses based cropping systems in Semi Arid Region of India. *Legume Research: An International Journal*.(1):1-8. doi10.18805/LR-5565
- ✓ **Amit Mishra**, Dinesh Sah, G.S. Panwar, Mukul Kumar and Jagannath Pathak (2025) Foliar application improves the productivity of the late sown chickpea (*Cicer arietinum*) in Bundelkhand region of Uttar Pradesh. *Indian Journal of Agronomy* **70** (2): 218\_\_223. DOI: 10.59797/ija.v70.i2.5606.
- ✓ Ashna Fiza, Vishal Chugh, Akhilesh Chandra Mishra, Vigya Mishra, Shalini Purwar, S. V. Dwivedi, **Amit Mishra**, Sushil Nagar, Neeraj Kharor, Vinod Kumar (2025) Physiological and biochemical adaptations for salt stress tolerance in eggplant (*Solanum melongena*). *Plant Physiology Reports*.  
<https://doi.org/10.1007/s40502-025-00863-2>

- ✓ Suchismita Mohapatra , Kumbha Karna Rout , Chandramani Khanda, **Amit Mishra** , Sudhir Yadav, Rajeev Padbhushan, Ajay Kumar Mishra, and Sheetal Sharma (2025) Impact of potassium Management on Soil Dynamics and Crop Uptake in Rice Systems. *Frontiers Sustainable Food Systems*. Volume 9 - 2025 | <https://doi.org/10.3389/fsufs.2025.1453311>
- ✓ Suman, A.S.; **Mishra, A\***; Shukla, G.; Sah, D.; Chandra, U.; Chaubey, A.K.; Mishra, B.P.; Pathak, J.; Panwar, G. Analyzing Alternatives for Managing Nitrogen in Puddled Transplanted Rice in a Semi-Arid Area of India. *Sustainability* **2024**, *16*, 6096. <https://doi.org/10.3390/su16146096>
- ✓ Suchismita Mohapatra , Kumbha Karna Rout , Chandramani Khanda, **Amit Mishra** , Sudhir Yadav, Rajeev Padbhushan, Ajay Kumar Mishra, and Sheetal Sharma,\* (2023) Evaluation of Different Potassium Management Options under Prevailing Dry and Wet Seasons in Puddled, Transplanted Rice. *Sustainability* *15*, 5819. <https://doi.org/10.3390/su15075819>
- ✓ Kar, I., Benhera, B. **Mishra Amit\***, Khanda, C.M. (2021) Physiological changes and biomass partitioning as influenced by water stress in rice. *Journal of Soil and Water Conservation*. 20(1): 52-58.
- ✓ Sharma, Sheetal, Rout R.K., khanda C.M., Tripathi R., Shahid M., Nayak A.,satpathy S., Banik N.C., Iftikar W., Parida N., Kumar V., **Mishra Amit.**, Castillo R.L., Velasco T., and Buresh R.J. (2019) Field Specific Nutrient Management using Rice Crop Manager decision support tool in Odisha ,India *Field Crop Research*, 241, 1075578.
- ✓ Kar I., Yadav S., **Mishra Amit.**, Behera B.,Khanda C., Kumar V., and Kumar A. (2018) Productivity trade- off with different water regimes and genotypes of rice under- puddled conditions in Eastern India. *Field Crop Research*: 222:218-229.
- ✓ Biswas D R, Narayanaswamy G, Datta S C, Singh G, Begum M, Maiti D., **Mishra A.** and BasakB.B. (2009) Change in Nutrient Status during preparation of enriched orgno-mineral fertilizer by using rice straw, low grade rock phosphate, waste mica, and phosphate solubilizing microorganism; *Communication in Soil Science and Plant Analysis*- 40: 2285-2307.

## 11. Courses Taught:

### Ph.D. in Soil Science:

1. Recent trends in soil physics (2+0)
2. Bio-chemistry of soil organic matter (2+0)

### M.Sc. in Soil Science

1. Soil physics (2+1)
2. Soil fertility and fertilizer use (3+1)
3. Soil chemistry (2+1)
4. Soil mineralogy, genesis and classification (2+1)
5. Soil Biology and Biochemistry (2+1)
6. Analytical technique and instrumental methods in soil and plant analysis (0+2)

### B.Sc. (Ag) & B.Sc. (Horti)

1. Fundamental of Soil Science (2+1)
2. Soil Water & Plant Analysis (1+1)
3. Problematic Soils and their Management (2+0)
4. Water Management for Horticultural (1+1)
5. Organic Farming (2+1)

12. **Student Guidance:** M.Sc.: i. Completed: 03 and Pursuing: 03      Ph.D.:

13. **Workshops/Training/Conferences Organized:** 11

**14. Google Scholar/ ORCID/ ResearchGate/ Scopus ID:**

Google Scholar: <https://scholar.google.com/citations?user=HcOszjQAAAAJ&hl=en>

ORCID: <https://orcid.org/0009-0008-7697-019X>

Research Gate: <https://www.researchgate.net/profile/Amit-Mishra-11>

Scopus ID: [Scopus Author ID: 57214672426](#)