

BRIEF RESUME OF PROF. BIPLAB MITRA



Name: Dr. Biplab Mitra

Present Designation: Professor in Agronomy (since January, 2020)

Educational Qualification: M.Sc (Ag) in Agronomy, Ph.D. in Agronomy

Teaching Experience: 21 years in UG and PG levels

Awards/ Recognitions obtained:

- Recipient of **ASPEE GOLD MEDAL** at undergraduate level(1998-99)
- Recipient of **Australia Award Fellowship** (February, 2017)
- **Certificate of Appreciation** from International Agriculture for Development (IaFD), Adelaide, Australia as an Outstanding Project Leader (2017-2019)
- **Outstanding Scientist Award 2019** given by the Society of Tropical Agriculture, New Delhi at 10th International Conference on Agriculture, Horticulture and Food Science held at Hotel Hans, New Delhi during December 21-22,2019
- **Senior Scientist Award 2024** from **Coochbehar Association for Cultivation of Agricultural Sciences (COBACAS)**, UBKV during National Conference on Nature-based Solution for Achieving Sustainable Development Goals organized by COBACAS at UBKV, Coochbehar during march 05-06,2024

Publication (Best five):

1. **Mitra, B.**, Singha, P., Roy Chowdhury, A., Sinha, A.K., Skalicky, M., Brestic, M., Alamri, S. and Hossain, A. 2023. Optical sensor-based nitrogen management: An environmentally friendly and cost-effective approach for sustainable wheat (*Triticum aestivum* L.) production on eastern plains of India. *Frontiers in Sustainable Food Systems*, 7:1153575,doi: 10.3389/fpls.2023.1153575
2. **Mitra, B.**, Singha, P., Roy Chowdhury, A., Sinha, A.K., Skalicky, M., Brestic, M., Alamri, S. and Hossain, A. 2023. Normalized difference vegetation index sensor-based nitrogen management in bread wheat (*Triticum aestivum* L.): Nutrient uptake, use efficiency, and partial nutrient balance. *Frontiers in Plant Science*, 14:1153500,doi: 10.3389/fpls.2023.1153500
3. Das, S., **Mitra, B.**, Saha, A., Mandal, S., Paul, P.K., El-Sharnouby, M., Hassan, M.M. and Hossain, A. 2021. Evaluation of quality parameters of seven processing type potato (*Solanum tuberosum* L.) in the eastern sub-Himalayan plains. *Foods*, 10, 1138 <https://doi.org/10.3390/foods10051138>
4. Islam, S., Gathala, M.K., Tiwari, T.P., Timsina, J., Liang, A.M., Maharajan, S., Chowdhury, A.K., Bhattacharya, P.M.,Dhar, T., **Mitra, B.**, Kumar, S., Srivastava, P.K., Dutta, S.K., Shrestha, R.,Manandhar, S., Shrestha, S.R.,Paneru, P.,Siddique, N, Hossain, A., Islam, R., Ghosh, A.K., Rahman, M.A., Kumar, U., Rao, K.K and Gerard, B.2019.Conservation agriculture based sustainable intensification: Increasing yields

and water productivity for smallholders of the Eastern Gangetic Plains. *Field Crops Research*, **238**: 1-17.

5. Jackson, T.M., Nandi, R., Jannat, A., Ghosh, A., Hajra, D.K., **Mitra, B.**, Rashid, M.M., Bista, S., Chaudhary, A., Timsina, P., Karki, E., Chakma, K.R., Rana, G. and Kishore, A. 2025. Patterns of livelihood diversification in farming systems of the Eastern Gangetic Plains. *Agricultural Systems*, 227, 104346 <https://doi.org/10.1016/j.agsy.2025.104346>

Seminar/Symposium/Conference organized:

- National workshop on “Innovative nutrient stewardship: Concepts, principles and applications” organized by UBKV and IPNI during March 26-28, 2018 (Convenor of the Technical Committee and acted as Speaker/Rapporteur/Facilitator in various sessions)
- ‘Advance Training Program on Crop Management’ organized by IPNI in collaboration with UBKV during January 10-16, 2019 (Member of Organizing Committee)
- One day Workshop on ‘Prospects of Millet Cultivation in North Bengal’ jointly organized by the Department of Agronomy and GPB, UBKV during May, 2023 (Organizing Convenor)
- Parthenium Awareness Week celebrated by the Department of Agronomy, UBKV during August 16-22 every year (Organizing Convenor)

Academic Supervising Experience:

- Major supervisor in M.Sc-11 (completed)+1(continuing)
- Major supervisor in Ph.D.-5 (completed)+ 4(continuing)

International Projects Exposure as Co-PI/Co-Investigator:

- “Sustainable and Resilient Farming System Intensification (SRFSI)” funded by ACIAR with CIMMYT as Nodal Institute (2014-2021, completed)
- “Improving Water Use for Dry season Agriculture by Marginal and Tenant Farmers (DSI4MTF)” funded by ACIAR with USQ, Australia as Nodal Institute (2014-2019, completed)
- Mobile E-Service Farmer Service Kiosks (MEFSK) through “Developing Innovative Agri-Entrepreneurship Roles for Young Agri-Professionals in West Bengal” funded by Australia-India Council with IaFD, Australia as nodal institute (2017-2019, completed)
- “Transforming small holders food system in the Eastern Gangetic Plains (RUPANTAR)” funded by ACIAR with University of Adelaide, Australia as nodal centre (2021-2026, continuing)
- “Additive intercropping in wide row crops for resilient crop production in Bangladesh, Bhutan and eastern India” funded by ACIAR, Australia (2024-2028, continuing)

Research and Extension Experience:

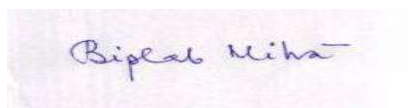
- Agronomist, All India Coordinated Wheat and Barley Improvement Project since November, 2014 till date (additional responsibility)

- Looking after the collaborative research activities in wheat and mustard under BARC-UBKV MoU programme
- Agronomist, AINP on Jute and Allied Fibres, UBKV since July , 2011 to July, 2014 (additional responsibility)
- More than 9 years experience in KVK in conduction of on farm participatory trials, FLDs, training programmes for practising farmers, etc

Major Institutional Building Activities:

- Head, Department of Agronomy since February 08, 2023
- Member of Academic Council, UBKV (2023-2025)
- Member, UG Admission Committee, UBKV (since 2015 till date)
- Central Coordinator, Schedule Caste Sub-Plan, UBKV (2019-20)
- Member of TSI for preparation of C-DAP for Jalpaiguri and Alipurduar district in 2014-15 and 2017-18

Areas of Interest: Conservation Agriculture, Alternate crop establishment techniques, Nutrient Expert® and NDVI sensor based Nutrient Management in cereals, Additive intercropping in maize



(BIPLAB MITRA)