

FACULTY PROFILE FORMAT

1. **Full Name:** Dr. Bingiala Laloo
2. **Designation:** Assistant Professor
3. **Department / School:** School of Crop Improvement
4. **Official Email id:** bingiala.ml@gmail.com
5. **Profile Photo:**
6. **Areas of Specialization:** Seed Science and Technology
7. **Research Interests:** seed quality traits, seed physiology
8. **Highest Educational Qualifications:**

Degree	Subject	University
Ph.D	Seed Science and Technology	Bidhan Chandra Krishi Visvavidyalaya

9. **Professional Experience:** 6 years

Position	Organization	Duration
Assistant Professor	Central Agricultural University (Imphal)	September 2019 till date

10. **Research Projects:**

Title	Funding Agency	Budget	Duration	Status
Establishing quality seed production units for seed security in Meghalaya	DST	Rs. 56.83 lakhs	3 years	ongoing

11. **Selected Publications:**

Thokchom, S., Tombisana, R., Singh, A., N., Kennedy, Kadam, V.& **Laloo, B.**, N., Olivia, Patel, K. and Maibam, U. (2023). Comparative Evaluation of Epiphytic Yeast for the Management of Fruit Rot of Chilli under Field and Pot Conditions. *AMA* (54):15534-15543

Sinha, S., Thakuria, D., Chaliha, C., Uzir, P., Hazarika, H., Dutta, P., Singh, A.K. & **Laloo, B.** (2023). Plant growth-promoting traits of culturable seed microbiome of citrus species from Purvanchal Himalaya. *Frontiers in Plant Science*, 14:1104927

Gupta, S., Konjengbam*, N.S., **Laloo, B.**, Meetei, N.T., Singh, N.J., A.A., Lyngdoh and Kumawat, K. (2024). Deciphering the Genetic Variability Traits in a Set of Advanced Breeding Lines of Rice (*Oryza sativa* L.) for Aluminium Tolerance and Phosphorus

uptake Efficiency under Hydroponic Condition *Journal of Community Mobilization and Sustainable Development*. Vol. 19(4) :1122-1132 DOI: 10.5958/2231-6736.2024.00229.X

CH A., **Laloo, B.*** and Rai. M. (2025). Morpho-physiological insights into rice germination under submerged conditions. *Oryza* (62): (301-313) DOI <https://doi.org/10.35709/ory.2025.62.3.9>

Dutta, P.P., Swain, S., **Laloo, B.**, Kaur, S., Letngam, T., Verma, V.K., Chandora, R., Yadav, S.K., Rai, M., Das, S.P., & Kumar, A. (2025). Ascertaining the morpho-molecular diversity in buckwheat germplasm and identification of high yielding, stable genotypes with superior biochemical quality. *Sci Rep* **15**, 34232 <https://doi.org/10.1038/s41598-025-16156-5>

Swain, S., **Laloo, B.**, Dutta, P.P., Kaur, S., Letngam, T., Verma, V.K., Chandora, R., Yadav & Kumar, A. (2025). Extricating the allelic variation, population structure and genetic potential in buckwheat genotypes and substantiation of high yielding and stable genotypes with superior biochemical quality. *J Appl Genetics* .(2025). <https://doi.org/10.1007/s13353-025-01028-5>

12. Courses Taught:

GPB 510: Principles of Seed Production and Seed Certification

SST 501: Seed Developmental Biology

SST 503: Seed Production Principles and Techniques in Field Crops

SST 508: Post Harvest Handling and Storage of Seeds

PP 509: Physiology of Crop Plants-Specific Case Studies

PP 510: Seed Physiology

PGS 503: Intellectual Property ad Its Management in Agriculture

PGR 609: Intellectual Property Rights and Regulatory Mechanisms

13. Student Guidance:

o b. M.Sc. Guided: 3

o c. Ph.D. Guided: Nil

14. **Workshops / Training / Conferences Organized:** 1 National Conference, “Enhancing Agricultural Growth with special reference to North East India: Synergizing Industry and Scientific Innovations for Demand Driven Crop Improvement, January 16-17th 2025.

15. Google Scholar:

ORCID: 0009-0004-0823-2399

Research Gate:

Scopus ID: 58503613600