



URMILA MAIBAM
Assistant Professor

GENERAL INFORMATION

Institution: Daffodil Group of Institutions, ASTU

Department: Genetics and Plant Breeding

Join Date: 24/01/2024

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EDUCATION

- **Ph.D. (Agri) Genetics and Plant Breeding**
Central Agricultural University, Barapani
2024
- **M.Sc. (Agri) Genetics and Plant Breeding**
Anand Agricultural University, Gujarat
2017
- **B.Sc. (Hons.) in Agriculture**
Assam Agricultural University, Jorhat
2015

M.SC RESEARCH

- Evaluation of rice landraces in north eastern hill region of India for nutritional characteristics in grains including iron, zinc and anthocyanin pigmentation
- Induced Mutagenesis in Sesame (*Sesamum indicum* L.)

WORK EXPERIENCE

Assistant Professor (Genetics and Plant Breeding)

Daffodil Group of Institutes — (January 2024 – Present)

- Co-convener of the Advanced Entrepreneurship and Skill Development Program (E-SDP) on “Agripreneurship” (24th–28th Feb 2025), funded by MSME, Govt. of India, in collaboration with IIT Guwahati and DGI
- Served as Master Trainer in a 1-month skill development programme on “Hands-on Training on Establishment of Nursery”.
- Actively contributed to institutional operations as Admission Committee Member, Examination In-Charge, and Girls’ Hostel Warden.

BOOK CHAPTERS

- Urmila Maibam and Bipasha Datta. Application of Transcriptomics and Metabolomics in refining Plant breeding., 2023
- Bipasha Datta, Urmila Maibam and Anamita Sen. Plant genomics in sustainable agriculture, 2023
- Anamita Sen, Bipasha Datta and Urmila Maibam. An overview of Rhizosphere associated bacteria for disease management, 2023

SKILLS AND EXPERTISE

- Molecular breeding
- Computational Skill
- Marker-assisted selection
- Field phenotyping and germplasm screening

LANGUAGES

- Manipuri
- Hindi
- English

CONFERENCES AND SEMINARS

- Maibam, U. and Sneha Macwana, S. (2019) Mutagenic effect of EMS on seed germination in M₁. Strengthening of seed systems in the north eastern and unreached regions- Problems, Prospects and Policies.
- James, M., Maibam, U., Lokeshkumar, K., Tyagi, W., and Rai., M. (2021). Genetic dissection of blast resistance and yield parameters in diallel mating derived rice hybrids. Global Rice Conference 2021: Deliberations on Advances in Rice Research. Pp-5, September 24-27, 2021. Tamil Nadu Rice Research Institute (TNAU), Aduthurai, Tamil Nadu.
- Maibam, U., James, M., Behera, A., Tyagi, W., and Rai., M. (2023). Characterization of rice landraces of NE hill region of India for yield and seed quality traits. 2nd Indian Rice Congress: Transforming Rice Research: Recent Scientific Developments and Global Food Crisis. Pp.86, ICAR-National Rice Research Institute, Cuttack, Odhisa.
- James, M., Maibam, U., Magudeeswari, P., Behera, A., Tyagi, W., and Rai., M. (2023). Response to marker assisted selection for Pi9, GRAIN NUMBER1 and SPIKELET NUMBER genes in early segregating population of rice. 2nd Indian Rice Congress: Transforming Rice Research: Recent Scientific Developments and Global Food Crisis. Pp.81, ICAR-National Rice Research Institute, Cuttack, Odhisa.
- Maibam, U., James, M., Kadiyala, K., Jat, P., Tyagi, W., and Rai., M. (2023). Identification of novel sources of high iron and zinc in rice landraces of NE hill regions through molecular and morphological clustering. International conference on agriculture in hilly and mountain landscape: an interdisciplinary perspective, CPGS-AS, CAU (Imphal), Umiam, Meghalaya
- Maibam, U., James, M., Tyagi, W., and Rai., M. (2023). Evaluation of genetic diversity in rice landraces of NE hill region of India. International conference on Natural Farming for Revitalizing Environment and Resilient Agriculture. Pp-313-314, March 15-16, 2023. Central Agricultural University, Imphal, Manipur.
- Maibam, U., Paswan, P and Huiem, D. (2024). Biofortified Rice for Nutritional Security and Sustainable Crop Improvement. Pp- 125, November 21- 22nd, College of Agriculture, Kyrdemkulai, Meghalaya
- Maibam, U., James, Behera, A., Tyagi, W., and Rai., M. (2024). Mining Nutrient-Dense Rice landraces from Northeast India for Micronutrient Profiling. National Conference on "Enhancing Agricultural growth with special reference to North East India: Synergizing Industry and Scientific Innovations for Demand-Driven Crop Improvement (EAG-2025), CPGS-AS, CAU (Imphal), Umiam, Meghalaya