



**Assistant Professor**

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## **EDUCATION QUALIFICATION**

### **1. Ph.D in Botany**

Microbial Ecology Laboratory, Department of Botany

North-Eastern Hill University, Shillong

**Thesis title:** Studies of endophytic fungi associated with *Zanthoxylum armatum* DC. and identification of potential antagonists against host pathogens

**Key areas of study:** Diversity of endophytic fungi, Antagonistic activity of endophytic fungi, plant growth promoting potential of endophytic fungi, antioxidant, antifungal and insecticidal activity of essential oil

### **2. Master of Science in Botany**

Department of Botany

North-Eastern Hill University, Shillong

**Specialization:** Plant Biotechnology

### **3. Bachelor of Science in Botany**

St. Anthony's College Shillong

## **PUBLICATIONS**

- Devi, S. D., Kharsahnoh, B., Kumaria, S. and Das, M. C. (2018). Artificial seed for short-term storage: using nodal buds in *Aquilaria malaccensis* Lam. *Current Science*, 115(11), 2103-2109.
- Kharsahnoh, B. and Kayang, H. (2023). Effect of the essential oil of *Zanthoxylum armatum* DC. (Rutaceae) against aphid (*Aphis citricidus*). *SAARC Journal of Agriculture*, 21(2), 183-194.

## CONFERENCE PAPERS

- Oral presentation on topic entitled “Studies of endophytic fungal association with *Zanthoxylum armatum* DC.” at the Assam Botanical Congress (ABC-02) and International Conference on Plant Science held on the 3<sup>rd</sup> to 5<sup>th</sup> December, 2021 organized by the Botanical Society of Assam, Guwahati.
- Poster presentation on topic entitled “Antagonistic activity of fungal endophytes from medicinal plant *Zanthoxylum armatum* DC.” during the National Science day, organized by the School of Life Sciences, NEHU in collaboration with NASI NER on 28<sup>th</sup> February, 2022.
- Poster presentation on topic entitled “Enzyme and plant growth promoting activities of fungal endophytes from *Zanthoxylum armatum* DC.” at the National Seminar on Emerging trends in plant science organized by the Department of Botany, NEHU in collaboration with CSIR-National Botanical Research Institute, Lucknow, UP on the 29<sup>th</sup> to 30<sup>th</sup> March, 2022.
- Oral presentation on topic entitled “Antioxidant and antifungal activity of essential oil from fruits of *Zanthoxylum armatum* DC.” at the International Conference on Current Trends in Biological Sciences organized by School of Life Sciences, Mizoram University on the 18-20<sup>th</sup> March, 2024.

## WORKSHOPS AND SEMINARS

- Attended the one day National Webinar on Frontiers in Mycoherbicides research, recent developments, future perspectives and commercialization held by the Mycological Society of India, Mumbai Unit on the 6<sup>th</sup> July, 2020
- Attended the online 3 day workshop on Bioinformatics: A soft computing approach organized by the Department of Botany, Biswanath College, Biswanath Chariali, Assam held from 28<sup>th</sup> to 30<sup>th</sup> August, 2020
- Attended the one day National Webinar on Thraustochytrids: The saga of Discovery and production of DHA, the PUFA of human nutrition organised by the Department of Botany, SIES College of Arts, Science and Commerce in association with the Mycological Society of India, Mumbai Unit on the 20<sup>th</sup> September, 2020
- Attended the one day workshop organized by the DST and ACS on the 30<sup>th</sup> May, 2022.

- Attended two-day faculty training workshop on advanced UG life science practicals organized by the Department of Botany, Biochemistry, DBT- Institutional Biotech Hub and DST-FIST of St. Anthony's College on the 12<sup>th</sup> and 13<sup>th</sup> March, 2026.

### **WORK EXPERIENCE**

- Worked on a dissertation project, entitled “Artificial seed production using *in-vitro* nodal buds of *Aquilaria malaccensis* Lam. for short term storage” under the guidance of Dr. Meera Chetri Das, Associate Professor, NEHU.
- Worked as a Junior Research Fellow on a 3 year DBT funded project entitled, “Biodiversity-based livelihood” Department of Botany, North-Eastern Hill University, Shillong, Meghalaya.

### **EXTRA CURRICULAR ACTIVITIES**

- National Cadet Corps (NCC) with A certificate