

## FACULTY PROFILE FORMAT

1. **Full Name:** Dr. Lipa Deb
2. **Designation:** Assistant Professor (Plant Pathology)
3. **Department/ School:** School of Crop Protection
4. **Official Email Id:** [lipa178deb@gmail.com](mailto:lipa178deb@gmail.com), [lipa.deb@cau.ac.in](mailto:lipa.deb@cau.ac.in)
5. **Profile Photo (Jpeg):** Attached in mail



6. **Area of Specialization:** Mycology, Fungal Pathology, Biological Control, Entomopathogenic Fungi, Mushroom
7. **Research Interest:**
  - Species diversity and biocontrol efficacy of entomopathogenic fungi
  - Optimized cultivation of edible and medicinal mushroom
8. **Highest Educational Qualifications:**

<b>Degree</b>	<b>Subject:</b>	<b>University:</b>
Ph.D.	Plant Pathology	College of Post Graduate Studies in Agricultural Sciences, Central agricultural University (Imphal), Umiam, Meghalaya

9. **Professional Experience:**

<b>Position</b>	<b>Organization</b>	<b>Duration</b>
Assistant Professor	College of Post Graduate Studies in Agricultural Sciences, Central agricultural University (Imphal), Umiam, Meghalaya	1 <sup>st</sup> March, 2024 – Till Date
Assistant Professor cum Junior Scientist (Plant Pathology)	College of Horticulture, Birsa Agricultural University (Ranchi), Khuntpani, Chaibasa, Jharkhand	24 <sup>th</sup> January, 2023 – 26 <sup>th</sup> February, 2024
Junior Research Fellow (DBT BIOTECH KISAN Project)	College of Post Graduate Studies in Agricultural Sciences, Central agricultural University (Imphal), Umiam, Meghalaya	25 <sup>th</sup> May, 2022 – 19 <sup>th</sup> January, 2023

Research Assistant (Bayer Crop Science Project)	College of Post Graduate Studies in Agricultural Sciences, Central agricultural University (Imphal), Umiam, Meghalaya	17 <sup>th</sup> August, 2020 - 24 <sup>th</sup> May, 2022
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## 10. Research Projects:

Title	Funding Agency	Budget	Duration	Status
Training cum Demonstration on “Organic Package and Practices for Vegetables and Input Distribution”	ICAR-National Institute of Biotic Stress Management, Raipur Under NEH Component Directorate of Extension Education, Central Agricultural University, Imphal	1,00,000.00	16 <sup>th</sup> December, 2024 – 31 <sup>st</sup> March, 2025	Completed

## 11. Selected Publications:

- Deb Lipa, Dutta, P., Singh, B.S. and Mandal, M.K. (2022). Antimicrobial traits of fungal entomopathogen *Beauveria bassiana* and its relation in exhibiting protection against sheath blight of rice under field condition. *Plant Disease. Plant Disease*.
- Deb, Lipa, Dutta, P., Devi, R.K.T., Thakuria, D. and Majumder, D. (2022). Endophytic *Beauveria bassiana* can protect rice from sheath blight disease caused by *Rhizoctonia solani* and enhance plant growth parameters. *Archives of Microbiology*, 204: 587. Doi: 10.1007/s00203-022-03211-2.
- Deb, Lipa and Dutta, P. (2021). Antagonistic potential of *Beauveria bassiana* (Balsamo) Vuillemin against *Pythium myriotylum* causing damping off of tomato. *Indian Phytopathology*, 74(3): 715-728. doi: 10.1007/s42360-021-00372.
- Deb, Lipa, Tombisana Devi, R.K. and Thangjam R. (2019). “A new entomogenous fungus *Paecilomyces acridomorphum* on grasshopper from Meghalaya, India”. *World Journal of Pharmacy and Pharmaceutical sciences*, 8(8): 732-736.
- Deb Lipa, Devi, R.K.T., Dutta, P., Majumder, D., Thakuria, D., Rajesh, T., and Ningthoujam, K. (2021). Antibacterial ability of *Beauveria bassiana* (Balsamo) Vuillemin against *Xanthomonas oryzae* pv. *oryzae* causing bacterial leaf blight of rice. *Biological Forum- An International Forum*, 13(4): 210-220.

## 12. Courses taught:

### M.Sc.

- PL PATH 501: Mycology
- PL PATH 503: Plant Pathogenic Prokaryotes
- PL PATH 505: Principles of Plant Pathology

- PL PATH 511: Chemicals and Botanicals in Plant Disease Management

**Ph.D.**

- PL PATH 601: Advanced Mycology

**13. Student guidance:**

a. M.Sc. Guiding: 02

b. M.Sc. Guiding: 00

**14. Workshop/ Training/ Conferences Organized:**

- 7 days Skill Enhancement Course on “Mushroom Production Technology” from 1<sup>st</sup> – 7<sup>th</sup> November, 2025 for B.Sc (Agri) students of William Carrey University, Shillong.
- Organized 02 training programme on “Off campus training cum demonstration on organic package and practices for vegetables and input distribution” for farmers at Nongthymmai, Umsning and Umtham, Marangar, Ri Bhoi, Meghalaya dt. 26<sup>th</sup> and 27<sup>th</sup> March, 2025, under ICAR-NIBSM funded project.
- Organized on-campus one day hands on training on “Scientific cultivation of Mushroom Production” for farmers of Ri Bhoi, Meghalaya at CPGSAS, Umiam on 20<sup>th</sup> January, 2026 under DEE, CAU, Imphal.
- Organized off-campus one day hands on training on “Application of bio-Inputs and site specific IPM integration for sustainable crop production” for farmers of Mawkyrdep, C&RD Block, Ri Bhoi, Meghalaya at CPGSAS, Umiam on 8<sup>th</sup> November, 2024 under DEE, CAU, Imphal.

**15. IDs:**

- **Google Scholar:** <https://scholar.google.com/citations?user=kkq1upAAAAAJ&hl=en>
- **Research Gate:** <https://www.researchgate.net/profile/Lipa-Deb>
- **Orcid ID:** <https://orcid.org/0000-0002-0451-8953>