

## Dr. Debasish Deb

Assistant Professor

Department of Botany

Cachar College, Silchar-788001

Qualification: M.Sc., SLET, NET, Ph.D.

Area of Interest: Plant Pathology

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### Educational Profile:

SI No.	Degree	Subject/ Area	Department/Institute	Year
1	BSc	Botany (Hons.)	Gurucharan College, Silchar	2010
2	MSc	Botany	Assam University, Silchar	2012
3	SLET (NE)	Life Science	SLET Commission, Assam	2012
4	NET	Plant Pathology	ICAR-ASRB	2018
5	PhD	Life Science	Institute of Life Sciences, Utkal University	2019

### Publications:

• **Deb D**, Shrestha A, Maiti IB, Dey N. Recombinant promoter (MUASCsV8CP) driven totiviral killer protein 4 (KP4) imparts resistance against fungal pathogens in transgenic tobacco. *Frontiers in plant science*. 2018 Mar 5;9:278. ISSN No. 1664-462X. Impact factor: 6.627

• **Deb D**, Dey N. Synthetic Salicylic acid inducible recombinant promoter for translational research. *Journal of biotechnology*. 2019 May 20;297:9-18. ISSN No. 0168-1656. Impact factor: 3.3

• **Deb D**, Shrestha A, Sethi L, Das NC, Rai V, Das AB, Maiti IB, Dey N. Transgenic tobacco expressing *Medicago sativa* Defensin (Msdef1) confers resistance to various phyto-pathogens. *The Nucleus*. 2020 Aug;63(2):179-90. ISSN No. 09767975. Impact factor: 0.565

• **Deb D**, Khan A, Dey N. *Phoma* diseases: Epidemiology and control. *Plant Pathology*. 2020 Sep;69(7):1203-17. ISSN No. 1365-3059. Impact factor: 2.5

• Sethi L, **Deb D**, Khadanga B, Dey N. Synthetic promoters from blueberry red ringspot virus (BRRV). *Planta*. 2021 Jun;253(6):1-3. ISSN No. 0032-0935 (print) 1432-2048 (web). Impact factor: 4.116

### **Awards & achievements:**

- Assam University Gold Medal in Master of Science (for highest academic standing at the M.Sc level in the School of Life Science).
- Sabitri Bhattacharjee Memorial Award for securing first position in Dept. of Life Science and Ecology (taken together).
- Best Research Article presentation award in the academic year 2017-18 of Institute of Life Sciences, Bhubaneswar.

### **Conference Proceedings:**

- International Conference on Plant Developmental Biology and 3rd National Arabidopsis Meeting” conducted by National Institute of Science Education and Research (NISER), Bhubaneswar, Odisha, India. 12th - 16th December 2017. [Poster Presentation]
- 20th ADNAT Convention International Symposium on “Genome Editing Technology and their Application in Biology, Medicine and Agriculture organized by KIIT university, Bhubaneswar, Odisha, India. 16th - 18th February 2017 [Poster Presentation]
- National Symposium on Plant Biotechnology: Current Perspectives on Medicinal and Crop plants & 38th Annual Meeting of Plant Tissue Culture Association (India), IICB Kolkata. 3rd- 5th March 2017. [Poster Presentation]
- Symposium on “Recent Advances in Biotechnology for Food, Nutrition & Health Security” Organized by Institute of Life Sciences, Bhubaneswar, Odisha, India. 11th May 2018. [Participated]