

Guwahati College Faculty profile



1. Name : Swagata Debnath
2. Qualification : M.Sc., SLET
3. Designation : Assistant professor
4. Specialization : Plant Biotechnology
5. E-mail : debnathswagata182@gmail.com
6. Date of Joining : 24/09/2023
7. Subject taught : Botany

Academics:

Degree	Institution	Year of award
B. Sc.	B. Barooah College	2014
M. Sc.	Guwahati University	2016
SLET	SLET COMMISSION ASSAM (NE REGION)	2017
GATE	IIT Roorkee	2017
Ph. D	North-Eastern Hill University	---

Publications:

1. Debnath S and Borthakur SK (2021). Nomenclature of the genus *Clerodendrum* L. in Biological Spectrum of Northeast India, HC Majumdar (Eds.), Pg- 272-277, ISBN: 978 93 90434 190
2. Debnath, S., & Kumaria, S. (2023). Insights into the phytochemical accumulation, antioxidant potential and genetic stability in the in vitro regenerants of *Pholidota articulata* Lindl., an endangered orchid of medicinal importance. South African Journal of Botany, 152, 313-320.

Presentations:

1. Presented a paper "Asymbiotic seed germination of *Pholidota articulata* Lindl., an Orchid of medicinal importance" in the National Seminar on Recent Advancements in Science and Technology" organized by Union Christian College, Umium, Meghalaya in 2019.

2. Presented a poster presentation named “Effect of chitosan on plant development and phytochemical accumulation in *Pholidota articulata* Lindl, an orchid of medicinal importance” in the National Conference-cum-workshop on “Interdisciplinary Approaches to Taxonomy, Conservation and Economic Utilization of Floriculturally and Medicinally Important Orchids and Orchid Show in 2021.
3. Presented on “Effect of chitosan on plant development and phytochemical accumulation in *Pholidota articulata* Lindl, an orchid of medicinal importance” in the International Conference-cum-Workshop on Agrotechnology, Value Addition, Global Trade and Sustainability on Medicinal/Nutraceutical Orchids & Orchid Show in 2022
4. Oral presentation on “In vitro propagation of *Pholidota articulata* Lindl. (Medicinal orchid): A novel method for enhancement of secondary metabolites and antioxidant activity in cultures” in APBNS-2022 at NASC complex, New Delhi