

FACULTY PROFILE

- Name** : Dr Prasenjit Paul
- E-mail** : prasenjit.paul9780@gmail.com
- Mobile no** : 9612088077
- Joined on** : 02-03-2020
- Educational Qualification** : M.Sc, Ph.D
- Teaching Experience** : 4 years
- Research Experience** : 4 Years
- Social recognition/ Award/ Scholarship** :
- Dr. P.D. Sethi Memorial Annual Award: 3rd Best Research Paper on application of TLC/HPTLC in pharma, herbal and other chemical analysis
 - Plant Tissue Culture Association (India) Award for poster presentation organized by CSIR-Indian Institute of Chemical Biology, Kolkata
- Research Interest** : Plant Biotechnology and Molecular Biology, Tissue Culture, Biochemistry, Bioinformatics.
- Professional Training** : NCC, Data collection, assessment and planning for a green campus, MS office
- Research Projects** :
1. Research Fellow in a DBT sponsored project entitled “Molecular characterization and chemoprofiling of two pharmacologically relevant species of *Dendrobium* found in Northeast India”
 2. Project Fellow in a Govt. of Meghalaya sponsored Research Project entitled "Micropropagation of Lakadong Turmeric" under Mission Lakadong sanctioned to the Department of Biotechnology & Bioinformatics, North-Eastern Hill University, Shillong
- Publications** :
- Precursor- induced bioaccumulation of secondary metabolites and antioxidant activity in suspension cultures of *Dendrobium fimbriatum*, an orchid of therapeutic importance. South African Journal of Botany.
 - Transverse thin cell layer (t-TCL)-mediated improvised micropropagation protocol for endangered medicinal orchid *Dendrobium aphyllum* Roxb: an integrated phytomolecular approach. Acta Physiologiae Plantarum.
 - *In vitro* organogenesis and estimation of β -sitosterol in *Dendrobium fimbriatum* Hook.: An orchid of biopharmaceutical importance. South African Journal of Botany.

- Evaluation of genetic stability and analysis of phytochemical potential in micropropagated plants of *Rumex nepalensis* –Amedicinally important source of pharmaceutical biomolecules. Journal of Applied Research on Medicinal and Aromatic Plants.
- Orchids, the Marvelous Plants. The NEHU Journal.
- Variation in the marker content of five different *Dendrobium* species: Comparative evaluation using validated HPTLC technique. Journal of Applied Pharmaceutical Science.

Abstracts & Presentation in National/ International Seminar/Symposium :

- Poster Presentation at National Symposium on “Current Trends in Research in Biotic Systems” organized by Department of Botany, North Eastern Hill University, Shillong.
- Poster Presentation at 38th Annual Meeting of Plant Tissue Culture Association (India) & National Symposium on Plant Biotechnology: Current Perspectives on Medicinal and Crop Plants organized by CSIR-Indian Institute of Chemical Biology, Kolkata.
- Presentation at International Conference on “Water Resource Management in the Eastern Himalayas” organized by St. Anthony’s College, Shillong in collaboration with Meghalaya Water Resources Development Agency, Government of Meghalaya.
- Oral Presentation at National Symposium on “Bioresources and Sustainable Development & 2nd National Bioresources and Sustainable Development Summit” organized by Department of Botany, North Eastern Hill University, Shillong.
- Oral Presentation at Workshop on “Fundamental Processes of Living Plants”, an initiative under Star College Scheme, funded by Department of Biotechnology, New Delhi organized by St. Edmund’s College, Shillong.
- Poster Presentation at National Seminar on “Toxicity of Chemicals & their Hazards with special reference to Heavy Metals” organized by St. Edmund’s College, Shillong.

Additional Responsibilities since 2018 (in St Edmund’s College):

Tagging of plants, documentation of ornamental and medicinal plants, rescue of a rare plant in the campus, green audit, organizing webinars, to guide students for “Toycathon”, academic exposure, mushroom cultivation, compiling academic data, college week events.