

GUWAHATI COLLEGE

FACULTY PROFILE

01.NAME : DR. NEETUMALATA BORO

02.QUALIFICATION : M.Sc., Ph.D., SLET

03.DESIGNATION : Assistant Professor

04.DEPARTMENT : BOTANY

05.SPECIALIZATION : Cytology, Genetics and Plant Breeding

06.EMAIL ID : neetumalatabotany@gmail.com

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09.DATE OF BIRTH : 18/06/1989

10. DATE OF JOINING : 24/09/2022

11. ACADEMIC RECORD

DEGREE	INSTITUTION	YEAR OF AWARD
B.A/B.Sc/B.Com	Cotton College	2011
M.Sc/MA/M.Com	Gauhati University	2013
M.Phil	-	-
Ph.D	Gauhati University	2023
NET/SLET	SLET	2016
OTHERS	-	-



12. TEACHING EXPERIENCE : Contraactual faculty from 1/11/2021-22/09/2022 and permanent faculty from 24/09/2022 onwards

13. SUBJECT / TOPIC TAUGHT : Cytology, Genetics and Plant Breeding, Plant Ecology, Bryophyte, Pteridophyte etc.

14. RESEARCH ACTIVITIES : Minor research and development project entitled “Karyomorphological analysis and total genomic DNA extraction in different plant species of genus *Phlogacanthus* Nees available in Karbi Anglong district of Assam” during year 2017-2019 has been completed funded by ASTEC as Co-Principal Investigator

15. PUBLICATIONS

JOURNALS

1) Short communications published in “Indian Journal of Genetics and Plant Breeding” entitled “Karyomorphological studies in three species of the genus *Phlogacanthus* Nees occurring in Assam” in 2019, Vol.79, Issue-2, online ISSN no.- 0975-6906, print ISSN-0019-5200

2)Research paper published in “Journal of Genetics” entitled “Karyomorphology in two species of the genus *Phlogacanthus* Nees of Assam : some new karyological insights” in 2020 Vol. 99, Issue 76, Indian Academy of Sciences, <https://doi.org/10.1007/s12041-020-01237-3> and e-ISSN no.- 0973-7731, print ISSN no.- 0022-1333

16. BOOKS PUBLISHED – NIL

17. SEMINARS/ CONFERENCES/WORKSHOPS ATTENDANT

SEMINAR :

- 1) XXIX Biennial Conference of North East Geographical Society (NEIGS) cum XI International Geographical Union (IGU) Commission Seminar from 8-10 Feb, 2018 at B.Borooah College, Guwahati
- 2) Assam Botany Congress (ABC-01) & International Conference on Plant Science from 4-6 Feb, 2019 at Gauhati University present a poster entitled “Total Genomic DNA isolation in three species of *Phlogacanthus* Nees using CTAB protocol”
- 3) National seminar on Harnessing Biodiversity for Social Empowerment of NE India from 2-3 Nov, 2019 at M C College, Barpeta College (Assam) and present a paper entitled “Karyomorphological studies in two species of *Phlogacanthus* Nees and their conservation status” organised by Botanical Society of Assam (BSA)
- 4) Assam Botany Congress (ABC-02) & International Conference on Plant Science (on blended mode) from 3-5 Dec, 2021 at Cachar College and delivered an oral presentation entitled “Chromosome morphology in *Phlogacanthus parviflorus* T. Anderson, with monocentric chromosomes”
- 5) National seminar on Emerging Trends in Plant Sciences from 29-30 March 2022, organised by Department of Botany, NEHU and CSIR-National Botanical Research Institute, and delivered oral presentation entitled “Molecular phylogeny of six species of *Phlogacanthus* Nees of Assam using *ITS2* and *trnL-*EF** molecular markers”

WORKSHOP

1. 2-day workshop on ‘Application of Basic Statistical Tools in Life Science’ organised by IQAC, Cotton College, February 18-19, 2016
2. ‘Short Term Training Programme on Analytical Instruments (GCMS, LCMS and HPLC systems)’ during 15-17 March, 2016 held at the Central Analytical Instrumentation Facility (CAIF) of Guwahati Biotech Park Incubation Centre, Guwahati Biotech Park, Assam
3. ‘Workshop on important methodologies in genomics and proteomics research’ from 22-27 September, 2016 sponsored by DBT and organised by Institutional Biotech Hub and Bioinformatics Infrastructure Facility, Centre for Biotechnology and Bioinformatics, Dibrugarh University, Assam
4. Training-cum-workshop on “DNA fingerprinting for species identification” from 18-21 October, 2016 organised by Department of Horticulture, NEHU, Tura Campus, Meghalaya
5. 9th TCS Annual Event & Flow Cytometry Workshop on “Flow Applications in Basic, Applied and Clinical Biology” from 03-05, 2016 organised by Biosciences and Bioengineering, IIT Guwahati and Dr. B. Barooah Cancer Institute, Guwahati
6. Hands on training on “Basic and Molecular Microbiological Methods” sponsored by DBT, conducted by Advanced State Biotech Hub (Assam), C.V.Sc., A.A.U., Khanapara, Guwahati, Assam, from 21-25 March, 2017

7. A seven days workshop on “Prospecting Traditional Herbal Therapy to Modern Drug Discovery” from 22-28 May, 2017 organised by IBH-GU, DBT, Guwahati University in association with Guwahati Biotech Park, (IITG)

8. ‘Workshop on scientific research paper writing’ from 14-15 July, 2017 organised by Botanical Society of Assam at Department of Botany, Gauhati University, Guwahati

9. Regional workshop on ‘Intellectual property Rights’ organised by Gauhati University IPR Cell, Guwahati and Patent Information Centre-ASTEC, Guwahati

10. Short-Term Training program (STTP) in Bioinformatics conducted by NIELIT Guwahati from 4-11 January, 2021

POPULAR ARTICLE : Nil

18. ANY OTHERS: Nil

19. MEMBERSHIP: Nil

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