



**G.L. Choudhury College, Barpeta Road**

**Department of  
Botany**



**PERSONAL PROFILE**

**Name of the Faculty: Dr.Jyotishmita Dutta**

**Designation: Assistant Professor**

**Personal Information:**

Date of Birth: 05-11-1990

Gender: Female

Nationality: Indian



**Address for Correspondence:**

Audity enclave, Flat no.1D,  
hembaruah path, Down town

Dist: Dispur.

PIN- 781006

**Permanent Address:**

Vill- Dinjoy Satra, PO-Chabua

Dist: Dibrugarh. PIN- 786184

Email: [jyotishmitadutta90@gmail.com](mailto:jyotishmitadutta90@gmail.com)

Contact: +91-9954430322/+91-7002969641

Date of joining: 26-02-2021

Academic Qualification: M.Sc., Ph.D.

## Research Experience:

Date of obtaining Ph.D Degree: 31-07-2021, Department of Botany, Gauhati University

Title of the Ph.D. thesis: “Effect of pesticides on growth and nitrogen fixation of *Westiellopsis* spp. of Assam”

Length of research experience: 5 Years

Specialization (Area of interest): Phycology, Plant ecology

## Publications:

- *Research paper published in Peer reviewed/UGC listed journals:*

1. Dutta, J. and Baruah, P.P. 2019. Evaluating growth and biochemistry of *Westiellopsis prolifica* in response to Malathion. *Plant Science Today*, **6(4)**: 505-511.
2. Dutta, J and Baruah, P.P. 2020. Evaluating differential effect of deltamethrin and carbofuran on growth characteristics of *Westiellopsis prolifica* Janet, a dominant nitrogen fixing cyanobacterium of tropical rice field ecosystem. *Biocatalysis and Agricultural Biotechnology*, **23**.

### *Chapter/article published in books with ISBN:*

1. Hunmili Teronpi, Jyotishmita Dutta, P.P. Baruah. (2020). Carotenoid contents of four selected microalgae isolated from Deepor beel Ramsar site (India). *Bioluminescence, Annual Biological Communication Vol-1*(2020).
2. Arjun Adhikari, Jyotishmita Dutta, Tridip Baruah. (2021). A Review on the phytoremedial potentiality of some plant species growing in polluted sites. *Vision*, Vol-IV, Issue--IV(2021) .
3. Partha Pratim Baruah, Juthika Dihingia, Jyotishmita Dutta, Arjun Adhikari, Souravjyoti Borah.(2022). *Forest Resources. An illustrated Geography of Assam* .
4. Jyotishmita Dutta, Arjun Adhikari, Hunmily Teronpi and P.P. Baruah. (2022). *Algae: A potential tool for environmental monitoring. Biodiversity and climate change*.

• **Participation, *Presentation and Rapporteur in National/International seminar:***

1. Participated in national seminar on plant resources of NE region and their bioprospecting (2013).
2. Presented paper on Effect of pesticides in an indigenous *Westiellopsis* strain: International conference on The green planet: past, present and future.
3. Presented paper on Effect of Malathion on chlorophyll-a and protein content of *Westiellopsis prolifica* in Recent advancements in environmental research (RAER 2017).
4. Presented paper on Effect of Malathion on lipid content of *Westiellopsis prolifica* in National symposium on current trends in research in biotic systems (2017).
5. Presented paper on .Effect of Deltamethrin on the pigment content of *Westiellopsis prolifica* Janet in National seminar on prospects and challenges of plant science research in India.
6. Presented paper on Effect of Carbofuran on the growth of *Westiellopsis prolifica* in National seminar on exploration and utilization of bioresources of NE India (2018).
7. Rapporteur in International conference on Plant science (2019).
8. Presented paper on Effect of malathion on photosynthetic pigments *Westiellopsis ramosa* in National seminar on harnessing biodiversity for social empowerment of NE India (2019).
9. Presented paper on Systemic effect of malathion on the carotenoids content of *Westiellopsis prolifica* Janet in Prof. T.V. Desikachary birth centenary international symposium on biodiversity, biology and biotechnology of algae (ISBBBA-2020).
10. Rapporteur in Assam botany congress (ABC-02) and international conference on plant science (2021).

**Workshop:**

1. 7- days summer workshop & hands on training on techniques in biochemistry and molecular biology (6<sup>th</sup> July-12<sup>th</sup> July 2015).
2. Techniques in biotechnology and bioinformatics (17<sup>th</sup>-23<sup>rd</sup> March 2016).
3. Workshop on IPR and Ethics on human research, catalysed by ASTEC(14<sup>th</sup> September 2016).

**Orientation/FDP:**

1. 4 week Orientation Programme for “ Faculty in universities/Colleges/Institutes of Higher Education” in Teaching learning centre, Ramanujan college,University of Delhi.
2. 1 week FDP on “Teaching-learning methods: From Micro-teaching to peer learning” in Teaching learning centre, Ramanujan college,University of Delhi.

**Membership in reputed National/ International agency:**

1. Life member of Botanical Society of Assam (Estd. 1992).