


Himadree Das

Ph.D, PRIME MINISTER'S RESEARCH FELLOW

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Education

08/2013 – 07/2018 **Integrated M.Sc, Tezpur University** 
Degree in Bioscience and Bioinformatics
CGPA: 7.58

Masters Project Dissertation on *FOXP3 gene polymorphism and target genes expression in Head and Neck Squamous Cell Carcinoma (HNSCC) patients of Assam.*

Ph.D Coursework

07/2019 – 11/2019 **Biomaterials (BT618), 1st Semester**
Grade: AA S.P.I: 9.00

07/2019 – 11/2019 **Cell Signalling and Development (BT615), 1st Semester**
Grade: AB S.P.I: 9.00

07/2019 – 11/2019 **Human Biology and Diseases (BT633), 1st Semester**
Grade: BB S.P.I: 9.00

01/2020 – 05/2020 **Essential of Genetics (BT619), 2nd Semester**
Grade: AA S.P.I: 10.00 C.P.I: 9.25

Current Research Interests

- Biopolymer conjugates and nanomaterials for therapeutics
- Biomaterials & Tissue Engineering
- Targeted Drug Delivery Systems/ delivery of antitumor agents
- Novel Biomaterials for environmental remediation

Achievements

2018 **GATE (Life-sciences)**
2019 **GATE (Biotechnology)**

Professional Experience

2019 **Junior Research Fellow, IIT - Guwahati**
Project under the guidance of Dr. Debasish Das, Department of BSBE

2015 **Summer Intern, Tezpur University**
Summer Project under the guidance of Dr. Manabendra Mandal, Department of Molecular Biology and Biotechnology

2016 Jorhat	Summer Intern, CSIR-NEIST Summer project under the guidance of Dr. B.S. Bhau, MAEP Division
2018 Lucknow	Research Trainee, MRD LiveSciences

Teaching Experience

	Immunology (M-503)
	Biochemistry (Z00-HC-3036)
	Basics of bioinformatics (Z00-HE-5016)
01/2020 – 04/2020	Essentials of Biomolecules: Nucleic Acids and Peptides, MOOC Online Course
01/2021 – 04/2021	Essentials of Biomolecules: Nucleic Acids and Peptides, MOOC Online Course

Conferences

09/2021	CEMS Topical Meeting Online Emergent Bioengineering Materials, RIKEN CEMS
01/2021	Online workshop on Powder X-Ray Diffraction Techniques and its Applications, North East Centre for Biological Sciences and Healthcare Engineering (NECBH), IIT-G
06/2020 – 07/2020	Author Webinar Series “Learn to Publish”, Wiley
2020	WATER 2020, Issues & Challenges in Water Treatment and Allied Research for Sustainable Environment, IIT- Guwahati
2018	Biotech hub skill development series (BSDS), MRD LifeSciences (P) Ltd.
2018	Institutional Biotech Hub Seminar on Careers in science and Biotechnology, Tezpur University

Technical Skills

• Field Emission Scanning Electron Microscope	• Fourier Transform Infrared Spectroscopy
• UV-vis Spectroscopy	• Fluorescence Spectroscopy
• Gel Electrophoresis	• SDS-PAGE

Soft Skills

• Problem Solving	• Time Management
• Team Work	• Decision-making
• Active Listening	

Publications

Synthesis of highly fluorescent, amine-functionalized carbon dots from biotin-modified chitosan and silk-fibroin blend for target-specific delivery of antitumor agents, *Carbohydr. Polym.* 277, 118862 (2022). [↗](#)
Horo, H., Saha, M., Das, H., Mandal, B. & Kundu, L. M.

Chitosan-derived biomaterials in cancer therapeutics and biomedical imaging,
Himali Horo, Himadree Das, Gourav Bhattacharjee, Lal Mohan Kundu
Book Chapter (Submitted)