

Curriculum Vitae

Lopamudra Das

Assistant Professor

Department of Zoology

Kulti College, West Bengal, India

☎ 0341 251 5711 Mobile: 9046289498

Email : lopamudradas100@gmail.com

Academic Profile

Ph.D. Indian Institute of Chemical Biology, India, 2017-2023

Qualified CSIR-UGC NET-JRF, 2016 June and 2016 Dec

M. Sc. In Zoology from Presidency University, 2016

B. Sc. In Zoology from Presidency University, 2014

Recipient of **scholarship** from WBCHE during 5yrs of BSc and MSc course.

EMPLOYMENT DETAILS

Grade/ Post	Estt./ Lab/ Instt.	Duration From	Duration To
Assistant Professor	Kulti College	Sept 2020	Present

Research Interest

Intrinsically disordered proteins, antimicrobial proteins, structural characterization of different proteins, biophysical techniques, role of specific proteins in human disease

Research Experiences

Structural Biology and Bioinformatics, Indian Institute of Chemical Biology, Kolkata

- Intrinsically disordered protein Alpha synuclein purification
- Introduction of specific mutation and Structural characterization of mutant protein
- Application of biophysical techniques like Fluorescence and CD Spectroscopy, Raman spectroscopy, AFM imaging
- Significance of mutation on protein-lipid interaction
- Role and characterization of antimicrobial protein purothionin

- Exploring the pattern of interaction of puorhionin with different model membranes

Publications:

1. Pandit E., **Das L.**, Das A., Dolui s., Saha S., Pal U., Mondal A., Chowdhury J., Biswas S., Maiti N.; Single point mutations at S129 residue of α -synuclein and their effect on structure, aggregation and neurotoxicity; *Frontiers in Chemistry*, 2023,
2. Mondal A., Dolui S., Dhabal S., Kundu S., **Das L.**, Bhattacharjee A., Maiti N.; Structure specific neurotoxicity of α -Synuclein oligomer; *International Journal of Biological Macromolecules*, 2023.
3. **Das L.**, Pandit E., Saha S., Pal U., Sahoo A., Baitalik S., Maiti N.; Purothionin Structure and Spectroscopic Behavior in Liposomal Microenvironment: Combined Multi-spectroscopic and Molecular Docking Studies, (*manuscript communicated*)
4. **Das L.**, Pandit E., Kundu S., Maiti N.; Effect of single point mutations at S129 residue of α -synuclein on membrane interaction (manuscript under preparation)
5. Pandit E., **Das L.**, Kundu S, Maiti N.; Role of Cyclophilin A in aggregation and stability of wild type and S129A mutant α -synuclein, (manuscript under preparation)