


Name of the Faculty	Dr. Moumita Chakraborty			
Designation	Assistant Professor			
Date of Joining	04-08-2025			
E - Mail	mchakraborty1001@gmail.com			
Educational Qualifications	Name of the Degree	Institute	Year	Class
Ph. D	Doctor of Philosophy (Chemistry)	Indian Institute of Engineering Science and Technology, Shibpur	2021	Awarded
PG	M. Sc. (Inorganic chemistry)	Indian Institute of Engineering Science and Technology, Shibpur	2014	First
UG	B. Sc (Chemistry)	Bidhan Nagar College (West Bengal State University)	2012	First
Work Experience				
Teaching	2 Years			
Research	7 Years			
Industry	2			
Courses Handled at UG Level	•	<ul style="list-style-type: none"> Engineering Chemistry Course for B. Tech First Year Students. Environmental Science Course for B. Tech Second Year Students. 		
Area of Research	•	<ul style="list-style-type: none"> Coordination and bio-inorganic chemistry 		
Prominent Research Publications in Conferences	•	<ul style="list-style-type: none"> Vemula, S., Kamineni, A., Chowdary, V. (2015). "Influence of two wheelers and three wheelers proportion on traffic noise pollution for a medium sized Indian city." Proceedings of the Second National Conference and Workshop on Recent Advances in Traffic Engineering, CD-ROM, NIT Surat, India, July, 2015. Kamineni, A., and Chowdary, V. (2016). "Quantification and Modelling of tyre-pavement interaction noise: effect of vehicular, pavement, and environmental characteristics." Functional Pavement 		

		Design: Proceedings of the 4 th Chinese-European Workshop on Functional Pavement Design, Delft, The Netherlands, June 29 to July 01, 2016, 1087-1096.
Prominent Research Publications in Journals	•	<ul style="list-style-type: none"> • Satyajit Mondal, Moumita Chakraborty, Antu Mondal, Bholanath Pakhira, Alexander J. Blake, Ekkehard Sinn, Shyamal Kumar Chattopadhyay (2018). "Cu(II) complexes of a tridentate N,N,O-donor Schiff base of pyridoxal: synthesis, X-ray structures, DNA-binding properties and catecholase activity." New Journal of Chemistry, 42, 9588-9597. (SCOPUS Q2) (SCI) • Satyajit Mondal, Moumita Chakraborty, Antu Mondal, Bholanath Pakhira, Subhra Kanti Mukhopadhyay, Avishek Banik, Swaraj Sengupta, Shyamal Kumar Chattopadhyay (2019). "Crystal structure, spectroscopic, DNA binding studies and DFT calculations of a Zn(II) complex." New Journal of Chemistry, 43, 5466-5474. (SCOPUS Q2) (SCI) • Moumita Chakraborty, Satyajit Mondal, Christine Cardin, Arnold L. Rheingold, Chitragada Das Mukhopadhyay, Shyamal Kumar Chattopadhyay (2020). "Yb(III), Sm(III) and La(III) complexes of a tetradentate pyridoxal Schiff base ligand: Their DNA-binding activity and bio-imaging applications." Polyhedron, 175, 114167 (SCOPUS Q3) (SCI) • Moumita Chakraborty, Antu Mondal, Shyamal Kumar Chattopadhyay (2020). "Structural divergence in binuclear Cu(II) pyridoxal Schiff base complexes probed by co-ligand: Catecholase mimetic activity and Sulphide ion sensing." New Journal of Chemistry, 44, 12916-12925. (SCOPUS Q2) (SCI) • Moumita Chakraborty, Monalisa Mohanty, Rupam Dinda, Swaraj Sengupta, Shyamal Kumar Chattopadhyay. (2022). "Cu(II) complexes of a bio-compatible aminoguanidine Schiff base: Histidine sensing and DNA-binding studies." Polyhedron, 211, 115554. (SCOPUS Q3) (SCI) • Moumita Chakraborty, Antu Mondal, Anwesha Ghosh, Alakananda Mahapatra, Tapan Kumar Mondal, Shyamal Kumar Chattopadhyay (2025). Synthesis, crystal structure and sulphide ion sensing study of a Cu(II) complex of aroyl hydrazone."

		Polyhedron, 265, 117294. (SCOPUS Q3) (SCI)
Web of Science/Scopus ID		56255948400 [https://www.scopus.com/authid/detail.uri?authorId=59289180400]
Google Scholar ID		[https://scholar.google.com/citations?view_op=list_works&hl=en&authuser=1&user=AawalX4AAAAAJ]
H-Index (As per SCOPUS Database)		5
Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops (Attended)	•	<ul style="list-style-type: none"> One-week National level FDP “Revolutionizing Healthcare with Generative AI & Deep Learning” at G. Narayanamma Institute of Technology and Science, Hyderabad from 02-1-2025 to 08-1-2025. One day workshop “Dialogue with Chemists”, at TIFR, Hyderabad on 30-08-2024. One-week National level FDP “Advances in semiconductor and photonic devices”, organized by Vasavi College of Engineering from 12-08-2024 to 17-08-2024. 5-day National FDP on “Enhancing Academic and Research Competence for Professional Excellence”, organized by St. Pious X Degree & PG College for Women, from 10-06-2024 to 14-06-2024. One-week National level FDP on “Outcome Based Education”, at G. Narayanamma Institute of Technology and Science, from 8-07-2024 to 13-07-2024. One-week National level FDP on “Emerging Innovation in Chemistry and Chemical Technology”, organized by Vardhaman College of Engineering, from 22-04-2024 to 27-04-2024.
Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops (Organized)	•	<ul style="list-style-type: none"> “International Conference on Advancements in Humanities, Management, Science and Technology (ICAHMST) 2024” from 24-07-2024 to 25-04-2024.

