

Name: **Dr. Arnab Bhattacharya**

Designation: Guest Teacher, M.B.B. University

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Area of Specialization: Inorganic Chemistry and Computational Chemistry

Research Area: Environmental and biosensors, Conceptual DFT, Coordination chemistry of B, S, and Re, Nanochemistry of Au and Fe AI and ML in chemistry, Blockchain technology in chemistry

Courses Taught: Inorganic reactions and mechanisms, Analytical chemistry
Molecular symmetry and group theory, Bio-inorganic chemistry Applications of NMR, EPR, mass spectrometry, FT-IR, and Mossbauer spectroscopy in inorganic chemistry
Inorganic photochemistry, Practical inorganic chemistry

Publication Details:

1. S. Majumder, A. Bhattacharya, J. P. Naskar, P. Mitra and S. Chowdhury, *Inorganica Chimica Acta*, **2013**, 399, 166–171.
2. S. Majumder, J. P. Naskar, S. Banerjee, A. Bhattacharya, P. Mitra and S. Chowdhury, *Journal of Coordination Chemistry*, **2013**, 66, 1178–1188.
3. S. Chowdhury, S. Majumder, A. Bhattacharya, P. Mitra and J. P. Naskar, *Journal of Coordination Chemistry*, **2013**, 66, 3365–3379.
4. A. Bhattacharya, S. Majumder, J. P. Naskar, P. Mitra and S. Chowdhury, *Journal of Coordination Chemistry*, **2014**, 67, 1413–1428.
5. A. Bhattacharya, J. P. Naskar, S. Majumder, R. Ganguly, P. Mitra and S. Chowdhury, *Inorganica Chimica Acta*, **2015**, 425, 124–133.

6. S. Majumder, J. P. Naskar, A. Bhattacharya, R. Ganguly, P. Saha and S. Chowdhury, *Journal of Coordination Chemistry*, **2015**, 68, 599–615.
7. P. Saha, J. P. Naskar, A. Bhattacharya, R. Ganguly, B. Saha and S. Chowdhury, *Journal of Coordination Chemistry*, **2016**, 69, 303–317.
8. A. Bhattacharya, J. P. Naskar, P. Saha, R. Ganguly, B. Saha, S. T. Choudhury and S. Chowdhury, *Inorganica Chimica Acta*, **2016**, 447, 168–175.
9. S. Chowdhury, A. Bhattacharya, P. Saha, S. Majumder, E. Suresh and J. P. Naskar, *Journal of Coordination Chemistry*, **2016**, 69, 3664–3676.
10. A. Bhattacharya, P. Saha, B. Saha, D. Maiti, P. Mitra, J. P. Naskar and S. Chowdhury, *Journal of Molecular Structure*, **2017**, 1146, 43–49.
11. P. Saha, J. P. Naskar, S. Majumder, B. Saha, R. Ganguly, A. Bhattacharya and S. Chowdhury, *J Chinese Chemical Soc*, **2018**, 65, 1035–1043.
12. M. S. S. Danish, A. Bhattacharya, D. Stepanova, A. Mikhaylov, M. L. Grilli, M. Khosravy and T. Senjyu, *Metals*, **2020**, 10, 1604.
13. M. S. S. Danish, T. Senjyu, A. M. Ibrahim, A. Bhattacharya, Z. Nazari, S. M. S. Danish and M. Ahmadi, *J Sustain Energy Rev*, **2021**, 2, 6–15.
14. S. Debnath, R. R. Nair, A. Bhattacharya, R. Ghosh and P. B. Chatterjee, *Dyes and Pigments*, **2021**, 196, 109821.
15. R. Ghosh, S. Debnath, A. Bhattacharya, D. Pradhan and P. B. Chatterjee, *Journal of Inorganic Biochemistry*, **2022**, 233, 111845.
16. P. Debnath, P. Debnath, Th. S. Devi, S. S. K. Singh, A. Bhattacharya, K. S. Singh, M. Roy and T. K. Misra, *Journal of Coordination Chemistry*, **2022**, 75, 3015–3032.
17. A. Bhattacharya, R. Ghosh, S. Debnath and P. B. Chatterjee, *Sensors and Actuators B: Chemical*, **2023**, 378, 133158.
18. R. Ghosh, S. Debnath, A. Bhattacharya and P. B. Chatterjee, *ChemBioChem*, **2023**, 24, e202200541.
19. A. Bhattacharya, *SciRevs.Biology*, **2023**, 2, 20–26.
20. A. Bhattacharya, K. B. Patel, R. Ghosh, D. N. Srivastava and P. B. Chatterjee, *Sensors and Actuators B: Chemical*, **2024**, 398, 134772.
21. P. Debnath, C. Majumder, A. Bhattacharya, P. Debnath, S. Roy, A. S. Novikov, M. Roy and T. K. Misra, *J Chem Crystallogr*, **2024**, 54, 28–40.

Google Scholar link:

<https://scholar.google.co.in/citations?user=GJcbZekAAAAJ&hl=en>

Project Details: N/A

Seminar/Conference/Workshops Participated: 4

Seminar/Conference/Workshops Conducted: Nil

Membership in Academic Bodies: Life member – Indian Science Congress
Association

Life Member – Tripura Chemical Society

Involvement Beyond Academic Activities: N/A