




• Contact

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Dr. Manoj
Majumder
Assistant Professor

• Skills

Molecular Structure

Chemistry Curriculum
Planning

Computer proficiency

Resourceful Chemistry Teacher offering 15 years of experience bringing chemistry coursework to life through practical explanations and tangible lab exercises. Expert in teaching students to develop science-based conclusions through scientific method. Focused on influencing students' individual academic growth while learning to work as team.

• Work History

2011-04 -

Current

Assistant Professor of Chemistry

Mathabhanga College, Coochbehar, West Bengal

- Engaged students and promoted intellectual curiosity through hands-on experiments, PowerPoint presentations and mnemonics to provide positive attitude towards scientific processes.
- Instructed students in lab by teaching safety protocols for proper use of chemicals and safe disposal of hazardous materials.

2007-10 -

2010-03

Assistant Teacher

Ichhaganj Sunkur Chand High School, Coochbehar, West Bengal

- Provided one-on-one and group-based learning support to maintain student progress and development.

2006-04 -

2007-09

Assistant Teacher

SCM High School, Murshidabad, West Bengal

- Provided one-on-one and group-based learning support to maintain student progress and development.

• Education

2001-04 - 2004-03	Bachelor of Science: Chemistry Dinhata College - Dinhata
2004-04 - 2006-03	Master of Science: Inorganic Chemistry University of North Bengal - Siliguri
2013-01 - 2019-03	Ph.D.: Computational Chemistry University of North Bengal - Siliguri

• Courses Taught/Teaching

1. Under Graduate Science: Ionic Equilibria, Atomic Structure, Periodic Table, Chemical Bonding, Oxidation Reduction, Acid and Base, Chemistry of p-block elements, Metallurgy, Inorganic Polymer, Coordination Chemistry, Transition Elements, Bioinorganic Chemistry, Lanthanoids and Actinoids, Organometallic Chemistry.

• Research Area

Computer modelling, designing multifunctional materials, Interested magnetic and optical properties of materials.

• Journal Papers Published

1. Strategic Design of Thiophene-fused Nickel Dithiolene Derivatives for Efficient NLO Response, **M. Majumder** and A. Misra, *Phys. Chem. Chem. Phys.* 2018, 20, 19007-19016.
1. Multifunctional Magnetic Materials of Organic Origin for Biomedical Applications: A Theoretical Study, **M. Majumder**, T. Goswami and A. Misra, *ChemistrySelect*, 2018, 3, 933-939.
1. Photochemical Study of 2-Aminopyridine: A Density Functional Investigation, **M. Majumder**, T. Goswami, A. Misra, S. Bardhan and S. K. Saha, *Commun. Comput. Chem.*, 2013, 1, 225-234.
4. Ligand Induced Symmetry Breaking and Concomitant Blue Shift of Emission Wavelength in

Octahedral Chromium Complex, **M. Majumder**, S. Paul and A. Misra, *J. Mol. Model.*, 2018, 24:230.

5. New Set of Multicomponent Crystals as Efficient Heterogeneous Catalysts for the Synthesis of Cyclic Carbonates., Arunangshu Kundu, Swagata Saikia, **Manoj Majumder**, Oindrila Sengupta, Biswajit Bhattacharya, Gobinda Chandra De, and Sushobhan Ghosh* ,*ACS Omega* 2019, 4, 3, 5221–5232.

- **Book Chapter Published**

1. Advances in Biology: Eastern Himalayan Perspective: Chapter 13: Modern Concept of Weak Interactions and its implications in Biological Systems: ISBN: 978-93-85375-05-7.

- **Orientation/Refresher Course Attended**

1. 17th Orientation Programme*organized by ACS, University of North Bengal from 26.02.2014 to 25.03.2014 sponsored by UGC.

2. Refresher Course in Counseling (Interdisciplinary)* organized by ACS, University of North Bengal from 04.02.2016 to 24.02.2016 sponsored by UGC.

3. Refresher Course in Chemistry organized by ACS, University of North Bengal from 11.02.2021 to 24.02.2021 sponsored by UGC.