

Dr. Satyabrata Chaudhuri

Dr. Satyabrata Chaudhuri
M.Sc., Ph.D.
Assistant Professor
Dept. of Chemistry
Indas Mahavidyalaya
Khosbag, Bankura – 722 205
Date of Joining: July 5, 2017

Address for Communication
34X, N. K. Ghoshal Road
Kasba, Kolkata: 700 042
West Bengal, India
Mobile: +919830514037
Phone: +91 33 2415 5761
E-mail: s.brc2006@gmail.com

Research Interest

- Synthesis of complex molecules and its characterization by XRD, IR, UV-vis/NIR, EPR, NMR, MASS spectroscopy etc. Analyses of electronic structures of the synthesized materials.
- Syntheses of metal bound organic framework and luminescent materials.
- Theoretical analyses by DFT for better understanding of the electronic structures.
- Electron transfer behaviour of the synthesized compounds.

Research Publications

1. **Mononuclear zinc(II), cadmium(II), cobalt(III) and di-nuclear nickel(II) complexes of a 14π electron diimine ligand: syntheses, structures, photoluminescence and DFT investigations**
Satyabrata Chaudhuri, Suman Kundu, Manas Kumar Biswas, Thomas Weyhermüller and Prasanta Ghosh
Inorganica Chimica Acta, **2015**, 430, 199-207. DOI: 10.1016/j.ica.2015.02.032
2. **Oxidovanadium(IV), oxidomolybdenum(VI) and cobalt(III) complexes of o-phenylene diamine derivatives: oxidative dehydrogenation and photoluminescence**
Satyabrata Chaudhuri, Sachinath Bera, Manas Kumar Biswas, Amit Saha Roy, Thomas Weyhermüller and Prasanta Ghosh
Inorganic Chemistry Frontiers, **2014**, 1, 331-341. DOI: 10.1039/C3QI00103B
3. **Zinc(II), iron(II/III) and ruthenium(II) complexes of o-phenylenediamine derivatives: oxidative dehydrogenation and photoluminescence**
Satyabrata Chaudhuri, Sarat Chandra Patra, Pinaki Saha, Amit Saha Roy, Suwendu Maity, Sachinath Bera, Pinki Saha Sardar, Sanjib Ghosh, Thomas Weyhermüller and Prasanta Ghosh
Dalton Transactions, **2013**, 42, 15028-15042. DOI: 10.1039/C3DT51771C

Book Publications

1. **“A Text Book of Applied Chemistry” (A Textbook for Polytechnic Students)**
Ghosh, Das, and Chaudhuri
2. **“Environmental Engineering” (Diploma Level Students)**

Seminar Attended

Date	Title	Type	Organized by	Contribution
Nov. 7, 2017	Material Chemistry for Better Tomorrow [MCBT 2017]	National	Asutosh College & Indian Chemical Society	Attended
Dec. 12, 2017	Science: Past, Present & Future	International	Shyamsundar College & Indian Chemical Society	Presented a Paper

Social Responsibility

- ❖ Worked as Course Author in Chemistry at Netaji Subhas Open University, Kolkata