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Designation: Assistant Professor of Chemistry

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Educational Qualification:

M. Sc.	2004	Visva Bharati	Subject: Chemistry	Specialization: Inorganic
Ph. D.	2015	University of Calcutta		

Title of Ph.D. Thesis: Chemistry of Polynuclear Metal Complexes with some N, O and S Donor Ligands

List of Publications :

1. Induction of chirality through change of substitution in cadmium (II) complexes of 2-benzoylpyridine and 2-acetylpyridine based Schiffbases - Crystal structure, luminescence and thermal properties

Sandip Mondal*, Atish Dipankar Jana

Journal of Molecular Structure 1154 (2018) 348-353

2. Exploration of CH $\cdots\pi$ interactions involving the π -system of pseudohalidecoligands in metal complexes of a Schiff-base ligand

Prateeti Chakraborty, Suranjana Purkait, **Sandip Mondal**, Antonio Bauzá, Antonio Frontera, Chiara Massera and Debasis Das*

Cryst Eng Comm, 2015, 17, 4680-4690.

3. Dicyanamide mediated construction of 1D polymeric networks of Quinoxaline with d¹⁰ metal ions: Synthesis, thermogravimetric analysis, photoluminescence and theoretical investigation on $\pi\cdots\pi$ interaction

Prateeti Chakraborty, **Sandip Mondal**, Sudhanshu Das, Atish Dipankar Jana* and Debasis Das*

Polyhedron, 70 (2014) 11 - 19.

4. Single pot synthesis of pyridine-N-oxide based polymeric complexes of cadmium and manganese: crystal structure and luminescence property,

Sandip Mondal, Averi Guha, Eringathodi Suresh, Atish Dipankar Jana* and Arpita Banerjee*

Journal of Molecular Structure, 1029 (2012) 169–174.

5. CdO and CdS nanoparticles from pyrolytic method: Preparation, characterization and photocatalytic activity,

Sandip Mondal, Tanmay Chattopadhyay, Sudhanshu Das, Sankar Roy Maulik, Swarup Kumar Neogi and Debasis Das*,

Indian Journal of Chemistry, Sec. A, 51A (2012) 807-811.

6. $\text{Na}_2\text{Cd}_2\text{I}_6\text{L}_2(\text{H}_2\text{O})_6$ [L=Urotropine]: An interesting precursor for synthesizing CdO particles, **Sandip Mondal**, Tanmay Chattopadhyay, Swarup Kumar Neogi, Totan Ghosh, Aritra Banerjee and Debasis Das*,

Materials Letters, 65 (2011) 783–785.

7. Synthesis, characterization and luminescence properties of polymeric cadmium(II) complexes with imidazole and its derivatives mediated by thiocyanate and dicyanamide anions,

Kazi Sabnam Banu, **Sandip Mondal**, Averi Guha, Sudhanshu Das, Tanmay Chattopadhyay, Eringathodi Suresh, Ennio Zangrando,* and Debasis Das*,

Polyhedron, 30 (2011) 163 - 168.

8. Thiocyanate and Dicyanamide Anion Controlled Nuclearity in Mn, Co, Ni, Cu, and Zn Metal Complexes with Hemilabile Ligand 2-Benzoylpyridine,

Totan Ghosh, Tanmay Chattopadhyay, Sudhanshu Das, **Sandip Mondal**, Eringathodi Suresh, Ennio Zangrando, and Debasis Das*,

Cryst. Growth Design, 11 (2011) 3198–3205.

9. A unique coordination chemistry of sodium,

Tanmay Chattopadhyay, Kazi Sabnam Banu, Arpita Banerjee, **Sandip Mondal**, Eringathodi Suresh and Debasis Das*,

Inorganic Chemistry Communication, 1 (2009) 26 - 28.

10. Nanoscale Manganese oxide (MnO_2) using $[\text{Mn}(\text{pyo})_2(\text{dca})_2]_n$: An efficient material for the photocatalytic degradation of organic dye,

Sandip Mondal *

Journal of Advanced Studies, 1 (2015) 87-92 (ISSN 2394-7241)