



## Dr. Subhradeep Mistry

M.Sc.; Ph.D.

Designation: Assistant Professor

Department: Chemistry

Ramananda College, Bishnupur

Bankura, West Bengal, India

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### AREAS OF INTEREST/SPECIALISATION

- Design and syntheses of porous metal-organic framework (MOF)/coordination polymer (CP) compounds
- Studied magnetic property of polynuclear 1D/2D/3D compounds.
- Catalytic studies and gas absorption with MOFs and CPs

### ACADEMIC ACHIEVEMENTS

- GATE 2010
- Received JRF and SRF from Indian institute of Science (MHRD)

### RESEARCH EXPERIENCE

From	To	Name and Address of Funding Agency / Organization	Position held
27.07.2011	31.07.2013	Indian institute of Science (MHRD)	Junior Research Fellow
01.08.2013	31.07.2017	Indian institute of Science (MHRD)	Senior Research Fellow
01.08.2017	07.08.2018	Indian institute of Science	Research associate

### ACADEMIC EXPERIENCE

- Teaching assistant for Int. Ph.D (IISc) during 2013-2014

### ADMINISTRATIVE EXPERIENCE

- NIL

### PUBLICATIONS

(List of Journals/Proceedings/Chapter in Books)

### Year 2019

- “New Bifunctional Metal–Organic Frameworks and Their Utilization in One-Pot Tandem Catalytic Reactions” **S. Mistry**, A. Sarkar, S. Natarajan *Crystal Growth and Design*, **2019**, 19, 747–755.

### Year 2018

- “Synthesis, structures and magnetic studies of new copper-azides” **S. Mistry**, S. Natarajan *Inorganica Chimica Acta*. Volume 483, 1, **2018**, 26-38.
- “Sustainable Growth and Lipid Production from *Chlorella pyrenoidosa* Using N-Doped Carbon Nanosheets: Unravelling the Role of Graphitic Nitrogen” A Khanra, S Sangam, A Shakeel, D Suhag, **S Mistry**, M Rai, S Chakrabarti, .M. Mukherjee *ACS Sustainable Chemistry and Engineering*, **2018**, 6(1), pp. 774–780.

### Year 2017

- “Organization of Copper Azide Clusters into Two-Dimensional Structures: Synthesis, Structure, and Magnetic Properties” **S. Mistry**, S. Yashonath, S. Natarajan *European Journal of Inorganic Chemistry* **2017**, 18, 2173-2183.
- “Syntheses, Structures, and Magnetic Behavior of New Azide Linked Compounds with One- and Two-Dimensional Structures” **S. Mistry**, J.-P. Sutter, S. Natarajan, *Zeitschrift für Anorganische und Allgemeine Chemie*, **2017**, 643(22), 1730–1738.
- “Selective Separation of Aliphatic Nitriles by Employing a Two-Dimensional Interdigitated Coordination Polymer” **S. Mistry**, R. Hota, S. Natarajan, *Chemistry - An Asian Journal*, **2017**, 12(14), 1807–1815.

### Year 2016

- “Stabilization of Cu<sub>7</sub> clusters in azide networks: Syntheses, structures and magnetic behaviour” **S. Mistry**, J.-P. Sutter, S. Natarajan, *Dalton Transactions*, **2016**, 45(12), 5140–5150.

### Year 2014

- “A reactive intermediate, [Ni<sub>5</sub>(C<sub>6</sub>H<sub>4</sub>N<sub>3</sub>)<sub>6</sub>(CO)], in the formation of nonameric clusters of nickel, [Ni<sub>9</sub>(C<sub>6</sub>H<sub>4</sub>N<sub>3</sub>)<sub>12</sub>(CO)<sub>6</sub>] and [Ni<sub>9</sub>(C<sub>6</sub>H<sub>4</sub>N<sub>3</sub>)<sub>12</sub>(CO)<sub>6</sub>].2(C<sub>3</sub>H<sub>7</sub>NO)” **S. Mistry**, S. Natarajan, *Journal of Chemical Sciences*, **2014**, 126(5), pp. 1477–1491

**Google Scholar link/ORCID ID:**

<https://scholar.google.com/citations?user=Z0ZI0E4AAAAJ&hl=en>

**ORCID ID:** <https://orcid.org/0000-0002-0025-8736>

**RESEARCH PAPER PRESENTATIONS/RESOURCE PERSON/INVITED SPEAKER**

- Presented at **International Symposium on Advanced Functional Materials (ISFM-2018)**
- Presented at SSCU open day **2017** (in-house symposium) Indian institute of Science.
- Presented poster at SSCU open day **2014** (in-house symposium) Indian institute of Science.

**PERSONAL DETAILS IN BRIEF**

**Date of Birth:** 06/05/1987

**Date of joining (Ramananda College):** 08/01/2021

**Marital Status** : Married

**Nationality** : Indian

**Current Designation** : Assistant Professor

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