

## **CURRICULUM VITAE**

**DR. SHYAM SUNDAR MONDAL**

Durgapur, West Bengal, India

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### **CAREER OBJECTIVE**

To build career in a growing organization where I can get opportunities to prove my abilities by accepting challenges, fulfilling the organization goal and climb the career ladder through continuous learning and commitment.

### **PERSONAL INFORMATION**

**Permanent Address:** Vill - Madanpur, P.O - Kapista, Dist - Paschim Bardhaman, Pin - 713315, West Bengal, INDIA.

**Fathers Name:** Late Bidya Sagar Mondal

**Date of Birth:** 11<sup>th</sup> Aug, 1990

**Mothers Name:** Gita Rani Mondal

**Gender:** Male

**Marital status:** Single

**Nationality:** Indian

**Blood Group:** A+

**Linguistic capabilities:** English, Hindi, Bengali

### **EDUCATION DETAILS**

**Ph.D in Chemistry (2015-2021)** National Institute of Technology, Durgapur, India

**Thesis Title:** Metal Complexes of Schiff Base Ligand having Different Functionalities: Synthesis, Characterization and Biological Studies

**M.Sc in Chemistry (2013-2015)**  
(72.83%)

Sidho Kanho Birsha University, Purulia, India

**M.Sc Project Title:** Synthesis and Characterization of Nano-Sized  $\text{Ba}_{0.5}\text{Co}_{0.5}\text{Bi}_2\text{Nb}_2\text{O}_9$  Ferroelectric Ceramics Prepared by Chemical Route

**B.Sc in Chemistry (2008-2013)**  
(47.75%)

The University of Burdwan, Burdwan, India

Shyam Sundar Mondal

## AWARDS AND ACHIEVEMENTS

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1. Qualified Gate on 2015

## SKILLS AND EXPERIENCES

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- **Analytical Skill:** Able to perform and interpret following instrumental results: FT-IR, UV-Vis, Fluorescence, EPR Spectroscopy, CHNS Analyser.
- Able to interpret following instrumental data: GCMS, Single Crystal XRD, Mass, NMR.
- **Computer Skill:** Chemdraw, Origin, MestReNova, Microsoft Office, DFT Calculation.

## LIST OF SELECTED PUBLICATIONS

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1. Bera, P. S.; **Mondal, S. S.**; Das, R.; Ghosal, S.; Saha, T. K. Bio-inspired AgNPs: Effective and Recyclable Catalysts towards the One Pot Synthesis of Hexahydroquinoline Derivatives via Three Component Coupling Reaction, *ChemistrySelect* **2021**, 6, 4404-4410.
2. **Mondal, S. S.**; Jaiswal, N.; Tiwari, Bera, P. S.; R. K.; Behera, J. N.; Chanda, N.; Ghosal, S.; Saha, T. K. Cu (II) and Co (II/III) complexes of N,O-chelated Schiff base ligands: DNA interaction, protein binding, cytotoxicity, cell death mechanism and reactive oxygen species generation studies. *Appl. Organomet. Chem.* **2021**, 35, e6026.
3. **Mondal, S. S.**; Chatterjee, M.; Tiwari, R. K.; Behera, J. N.; Chanda, N.; Biswas, S.; Saha, T. K. Hexanuclear Zn (II) and Mononuclear Cu (II) Complexes containing imino phenol ligands: Exploitation of their Catalytic and Biological Perspectives. *Appl. Organomet. Chem.* **2019**, 33 e5011.
4. Adak, M. K.; **Mondal, S. S.**; Dhak, P.; Sen, S.; Dhak, D., Investigation of density of states and electrical properties of Ba<sub>0.5</sub>Co<sub>0.5</sub>Bi<sub>2</sub>Nb<sub>2</sub>O<sub>9</sub> nanoceramics prepared by chemical route, *J. Mater. Sci.: Mater. Electron.* **2017**, 28, 4676-4683.
5. **Mondal, S. S.** ; Jaiswal, N.; Tiwari, R. K.; Bera, P. S.; Behera, J. N.; Chanda, N.; Ghosal, S.; T. K Saha. Monosaccharide Linked Schiff Base Metal Complexes of Cu(II), Zn(II) and Mn(II): Exploring the Antiproliferative Activity and Cell Death Mechanism (Manuscript submitted).

## LIST OF SELECTED CONFERENCES ATTENDED

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1. National Seminar on “Design, synthesis, interactions, chemical and biochemical activities of different functional molecules” 4-6<sup>th</sup> February, 2016 at University of Burdwan.
2. 3 days National Conference on “Recent Development in Chemistry” 4-6<sup>th</sup> October, 2016 at National Institute of Technology Durgapur.
3. 3 days International Conference “Frontiers in Chemical Sciences” (FICS-2018) December 6-8, 2018 at IIT Guwahati.
4. 3 days National Conference on “Recent Development in Chemistry” December 17-19, 2018 at National Institute of Technology Durgapur

### HOBBIES

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- Playing Cricket
- listening to music
- Watching movies and Sports
- Travelling

### REFERENCES

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|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Dr. Tanmoy Kumar Saha</b>    | Assistant Professor, Department of Chemistry, NIT Durgapur, Durgapur-713209, W.B, India<br><br>Email: <a href="mailto:tanmoy.saha@ch.nitdgp.ac.in">tanmoy.saha@ch.nitdgp.ac.in</a> |
| <b>Prof. Apurba Kumar Patra</b> | Department of Chemistry, NIT Durgapur, Durgapur 713209, W.B, India<br><br>Email: <a href="mailto:apurba.patra@ch.nitdgp.ac.in">apurba.patra@ch.nitdgp.ac.in</a>                    |
| <b>Prof. Debasis Dhak</b>       | Department of Chemistry, Sidho-Kanho-Birsha University, Purulia-723104, W. B., India<br><br>Email: <a href="mailto:debasisdhak@gmail.com">debasisdhak@gmail.com</a>                |

### DECLARATION:

I certify that the foregoing information is correct and complete to the best of my knowledge and belief nothing has been concealed / distorted.

Place: Durgapur

Date: 09/03/2022



Signature of the candidate

Shyam Sundar Mondal