

## Short CV

**Name:** SIBA PRASAD MANDAL

**Designation:** Assistant Professor of Physics

**Address:** Department of Physics, Deshabandhu Mahavidyalaya,  
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- **Qualifications:**

- B. Sc. (Physics Honours), The University of Burdwan, 1999  
M.Sc. (Physics), The University of Burdwan, 2001

- **Experience:**

- Teaching experience:
- UG Teaching: i) 19 years, Deshabandhu Mahavidyalaya, Chittaranjan, W.B.-713331

- **Area of Interest:** Electrochemical Synthesis and Reactivity Study of Nano Zinc and Nano Zinc Oxide

- **Research:** Number of publications 06

- **Fellowships/Awards:**

- Qualified UGC NET- 2003

- **Selected Publications:**

- Dielectric response of ZrO<sub>2</sub>–CeO<sub>2</sub> nanocrystalline solid solution above room temperature  
*Physica B: Physics of Condensed Matter* January, 2020.  
S. Saha , H. Dutta , S.P. Mandal , S.K. Pradhan , A.K. Meikap
- Reactivity of Electrochemically Synthesised Nano Zinc Fiber in Facile Reduction of Nitro and Azide Compounds. *Indian J. Chem. A* 2020, 59A, 1076-1083.  
Siba Prasad Mandal, Bibhas Mondal, Rajat Saha, Mousumi Kundu and Ujjal Kanti Roy\*
- Indium(I)/CuFe<sub>2</sub>O<sub>4</sub> Reagent for Allylation of Carbonyls and Epoxide Rearranged Carbonyls,  
*Russ. J. Gen. Chem.* 2020, 90, 2189-2196.  
Mousumi Kundu, Siba Prasad Mandal, Bibhas Mondal and Ujjal Kanti Roy\*

- Sonochemically Synthesized Spin-Canted  $\text{CuFe}_2\text{O}_4$  Nanoparticles for Heterogeneous Green Catalytic Click Chemistry *ACS Omega* 2019, 4, 13845–13852.  
Bibhas Mondal, Mousumi Kundu, Siba Prasad Mondal, Rajat Saha, Ujjal Kanti Roy,\*  
Anirban Roychowdhury and Dipankar Das
- Synthesis and characterization of nano-zinc wire using a self-designed unit galvanic cell in aqueous medium and its reactivity in propargylation of aldehydes, *Tetrahedron*, 2019, 75, 4669-4675.  
Bibhas Mondal, Siba Prasad Mandal, Mousumi Kundu, Utpal Adhikari, and  
Ujjal Kanti Roy\*
- Analysis of DC Conductivity and I-V Characterization of Nanocrystalline Copper Ferrite Sample at and above Room Temperature.  
Siba Prasad Mandal *Mater. Sci. Forum.* 2023, 1103, 121-128
- Complete uncertainty analysis of a simple undergraduate experiment for the measurement of Planck's constant using python.  
Siba Prasad Mandal and Arjun Mukhopadhyay\**Phys. Educ.* 2024, 59, 015014 (13pp)
- **Conference Presentation:**
  - UGC – Sponsored National Seminar on “Current Trends In Chemistry”, Deshabandhu Mahavidyalaya, Chittaranjan, 25-26 November, 2011.
  - 1<sup>st</sup> International Conference on “Emerging Trends in Engineering and Science (ETES2018)”, 2018 at Asansol Engineering College, Asansol. March, 23 –24.
  - National Seminar on “Modern Trend in Chemistry for Sustainable Development” at VijaygarhJyotish Roy College, Jadavpur, Kolkata, March, 3, 2020.
  - National Seminar on “Emerging Issues in Inter & Intra-disciplinary Studies: An Indian Perspective.” At Suri Vidyasagar College.
  - International Science Seminar at Burdwan Raj College on 10<sup>th</sup> October 2017.
- **Attended Seminar/ Workshop/Programme:**
  - UGC Sponsored Orientation Programme at ASC, University of Burdwan from 04/03/2008 to 31/03/2008.
  - UGC Sponsored Refresher Course at ASC, University of Burdwan from 20/11/2010 to 10/12/2010.
  - National Conference on Particle Physics and Cosmology at University Of Burdwan on 24-25 March, 2011.
  - UGC Sponsored First National Seminar on Recent Trends in Condensed Matter Physics Including Laser Application at University of Burdwan on 6-7 March, 2012.

- UGC Sponsored Refresher Course at ASC, University of Burdwan from 23/09/2015 to 13/10/2015.
- UGC Sponsored Short Term Course at ASC, University of Burdwan from 29/12/2015 to 04/01/2016.
- UGC Sponsored Workshop on CBCS, at ASC, University of Burdwan from 29/01/2019 to 04/02/2019.
- UGC Sponsored Workshop on Remote Sensing & GIS, at ASC, University of Burdwan from 12/03/2019 to 18/03/2019.