

## Personal Profile

❖ **Name:** Sanchita De

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### ❖ Academic Position:

- **SACT** in Physics , Bankura Zilla Saradamani Mahila Mahavidyapith, Bankura, West Bengal, India.

### ❖ Research Interests:

- **Nanomaterials.**
- **Nanoscience.**
- **Nano-toxicity**
- **Semiconductor**

### ❖ Education:

- **M.Sc. in Physics ( 2018, VBU , Hazaribag )**
- **B.Ed ( 2020,BU )**
- **Ph. D. Pursuing (Bankura University)**

### ❖ Research Publications:

1. De, S., & Bhattacharjee, B. Facile synthesis of magnesium oxide nanoparticles for effective photocatalytic degradation of dye. Asian Journal of Chemistry, 37(4): 925-930 (2025).

### ❖ Conferences/Workshops/Others:

1. Sanchita De, Baibaswata Bhattacharjee, "Synthesis of Magnesium Oxide nanoparticles employing a facile technique for effective photocatalytic application", International conference on Advances in Computational Mathematics and Applied Physical Sciences[ICACMAPS 2025], G. Pulla Reddy Engineering College (Autonomous), Kurnool, Andhra Pradesh, India.
2. Sanchita De, Baibaswata Bhattacharjee, "Characterization of Magnesium Oxide Nanoparticles Synthesized by Chemical Co-precipitation Technique", International conference on natural sciences and engineering for sustainable development -2024, Kazi Nazrul University, W.B., India.
3. Participate in the one-day workshop on "CBCS and syllabi of Bengali , History , Music & Physics Departments" organized by the IQAC of BZSMM , 2019.
4. 99<sup>th</sup> refresher course on Experimental Physics (14-29 june,2018) in Birla Institute of Technology Mesra , Ranchi, Organized by Indian Academy of Science , Bangalore (IASc) , Indian National Science Academy, New Delhi,(INSA), The National Academy of Science, India, Allahabad (NASI) ,2018
5. Participate in the One Day Symposium on 'Recent Trends in Physical Sciences' organized by S.N. Bose National Centre for Basic Science, Kolkata , 2018
6. Presented Poster in UGC sponsored National Seminar on "INTRODUCTORY ASTRONOMY AND ASTROPHYSICS" organized by the Department of Physics, Ramananda College, Bishnupur, Bankura,WB. 2014
7. Model Presentation in the two days science camp on "Learning by Doing Science Mysteries Demystified", Organised by Department of Pure Science (physics, Chemistry )and Bio-Science in the Ramananda College, Bishnupur, Bankura, WB. Sponsored by Centre for Advance and Education (CARE), Saha Institute of Nuclear Physics (SINP), Kolkata & Department of Science and Technology (WB), 2014

### ❖ Short Term Courses:

- Participated in 30 hours Certificate Course on "Nanoscience and Nanotechnology" organized by the School of Materials Science and Nanotechnology, Jadavpur University

and the Departments of Physics and Chemistry, Sarojini Naidu College for Women, Kolkata, Conducted from 8th August to 13th August 2022.