

Dr. Poulami Ghosh

Assistant Professor (Physics)

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1. Personal Information

Name: Dr. Poulami Ghosh

Nationality: Indian

2. Educational Qualifications

Ph.D. Physics – IIT Guwahati

M.Sc. Physics – IIT Roorkee

B.Sc. Physics – University of Burdwan

3. Teaching Experience

Assistant Professor – Ganga Devi Mahila Mahavidyalaya (2025–Present)

Assistant Professor – VIT Bhopal University (2024)

Assistant Professor – Heritage College Kolkata (2023–24)

Temporary Faculty – IEST Shibpur (2020–2023)

4. Research Experience

Senior Research Scientist – SUSTech, China (2018–19)

Postdoctoral Researcher – Yunnan Normal University (2016–19)

5. Research Publications

Total Publications: 15 (SCI Indexed Journals like Applied Physics A, Journal of Materials Science, Optik, Journal of Luminescence etc.)

Latest Six (06) Publications

- [1] **Poulami Ghosh***, Dapeng Yu and Pijush Kanti Mondal, “Studies of strain-induced behavior from GaN microwire at room temperature studied by cathodoluminescence”, Applied Physics A 131 (2025) 871 [https://doi.org/10.1007/s00339-025-08997-8].
- [2] **Poulami Ghosh***, Umar Farooq, Huimin Su, Shenghai Pei, Gaomin Li, Wei He, Junfeng Dai, Li Huang and Mingyuan Huang “Strain-induced light emission enhancement in CsPbBr₃ microwires” Journal of Materials Science, Vol. 57 (2022) 5061-5071 [https://doi.org/10.1007/s10853-022-06933-2].
- [3] **Poulami Ghosh***, Dapeng Yu, Gaomin Li, Mingyuan Huang and Liu Yingkai, “Incorporating polariton effects in GaN microrod cavity studied by photoluminescence” Optik, Vol. 240 (2021) 166829 [https://doi.org/10.1016/j.ijleo.2021.166829].
- [4] **Poulami Ghosh***, Dapeng Yu*, Tao Hu, Liang Jing, Zhanghai Chen, Liu Yingkai and Mingyuan Huang “Strong exciton-photon coupling and polariton lasing in GaN microrod” Journal of Material Science, Vol. 54 (2019) 8472-8481 [https://doi.org/10.1007/s10853-019-03493-w].

- [5] **Poulami Ghosh***, Dapeng Yu and Mingyuan Huang, "Effect of incident laser power and incorporating polariton effects in GaN microrods" Journal of Luminescence, Vol. 209 (2019)328-332 [<https://doi.org/10.1016/j.jlumin.2019.02.006>].
- [6] **Poulami Ghosh** and A. K. Sharma, "Highly c-axis oriented growth and optical characterization of ZnO pore-like structures surrounded by craters via pulsed laser deposition" Silicon, Vol. 10 (2018) 645-650 [<https://doi.org/10.1007/s12633-016-9507-8>].

6. Conference Papers

International & National Conferences: 10+ presentations

7. Research Guidance

Ph.D.: - Nil

M.Sc.: - 02

8. Awards & Fellowships

CSIR-NET, GATE, JAM Qualified

CSIR JRF & SRF

MHRD Fellowship

Chinese Govt. Fellowship

9. Administrative & Academic Responsibilities

Participated in FDPs, curriculum support, lab development

10. Skills & Laboratory Experience

CVD, PLD, SEM, XRD, Raman, Lithography, MATLAB, Origin

12. Referees

Available upon request