SOUMYA PAUL

PhD Scholar

10TH JULY, 1995

CONTACTS

Polymer Research Centre
IISER Kolkata
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LANGUAGE

- *Bengali*
- *English*
- *Hindi*

SKILLS

- *Synthesis of monomers and polymers*
- *Expertise in UV-Vis, Fluorescence and FT-IR Spectroscopy*
- *Softwere such as ChemDraw, MestreNova, Origin, Microsoft Ofiice, etc.*

EDUCATION

- Secondary Education (WBBSE): Kanchrapara Harnett High School (H.S.), 2012, **89.14%**
- Secondary Education (WBCHSE): Kanchrapara Harnett High School (H.S.), 2014, **86.67%**
- Integrated BS-MS: Indian Institute of Science Education and Research Kolkata, 2015-2020, **8.89** (CGPA)
- PhD (in Polymer Chemistry): Indian Institute of Science Education and Research Kolkata, 2020-present, Supervisor: **Prof. Priyadarsi De** and Co-supervisor: **Prof. Arindam Mukherjee**

RESEARCH INTERESTS

- Nitric oxide release and detection
- Glucose containing polymers

ACHIEVEMENTS

- Inspire Scholarship (2015-2020)
- IAS Summer Fellowship (2017)
- CSIR-JRF Fellowship (Rank: 68)
- Prime Minister Research Fellowship (PMRF) (2021-)

PROJECT EXPERIENCES

- **May 2016 - July 2016:** "*Synthesis and Characterization of Carbazole containing Fluorene moiety to construct D-A architecture*" under the supervision of *Dr. Sudip Malik* at *Indian Association for the Cultivation of Science, Kolkata*
- **May 2017 - July 2017:** "*Transformation of Functional Groups in Aromatic System*" under the supervision of *Dr. S Chandrasekhar* at *Indian Institute of Chemical Technology, Hyderabad*
- **August 2019 - May 2020 (MS Project):** "*Effect of Aliphatic and Aromatic Groups in Water Soluble Nitric Oxide Releasing Polymers and Their Applications*" under the supervision of *Prof. Priyadarsi De* and *Prof. Arindam Mukherjee* at *Indian Institute of Science Education and Research Kolkata*

PUBLICATIONS

- **Paul, S.**; Pan, S.; Chakraborty, A.; De, P.; Mukherjee, A. Ultraviolet Light- or pH-Triggered Nitric Oxide Release from a Water-Soluble Polymeric Scaffold. *ACS Appl. Polym. Mater.* **2021**, *3*, 2310-2315.
- **Paul, S.**; Pan, S.; Mukherjee, A.; De, P. Nitric Oxide Releasing Delivery Platforms: Design, Detection, Biomedical Applications, and Future Possibilities. *Mol. Pharm.* **2021**, *18*, 3181-3205.
- Bag, S.; Ghosh, S.; Paul, S.; Khan, M. E. H.; De, P. Styrene-Maleimide/Maleic Anhydride Alternating Copolymers: Recent Advances and Future Perspectives. *Macromol. Rapid Commun.* **2021**, *42*, 2100501.