

Asmita Dey

*Polymer Research Centre Department of Chemical Sciences,
IISER Kolkata, Mohanpur, Nadia-741246, W.B., India.*



EDUCATION:

Ph.D.: Indian Institute of Science Education & Research, Kolkata (July 2019-Present)

M.Sc.: Indian Institute of Technology (Indian School of Mines), Dhanbad (2018)

B.Sc.: Lady Brabourne College (University of Calcutta) (2016)

12th: Carmel High School, Kolkata (2013)

10th: Carmel High School, Kolkata (2011)

SRF DST-INSPIRE

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 **23rd February**

RESEARCH INTEREST

- ✓ Polymer chemistry
- ✓ Polyisobutylene based polymers
- ✓ RAFT polymerization
- ✓ Drug delivery

SKILLS

- ✓ Operating System: Windows, MS-PowerPoint
- ✓ Instruments: UV-Vis spectroscopy, FT-IR spectroscopy, Fluorescence spectroscopy, NMR spectroscopy, CD spectroscopy, XRD, DLS
- ✓ Software: Chemdraw, Origin, Zetasizer, MestReNova

LANGUAGE

- ✓ English
- ✓ Bengali
- ✓ Hindi

ACHIEVEMENTS:

- ✓ Qualified for CSIR-UGC NET Examination, Dec 2017, LS.
- ✓ Qualified for GATE Examination, 2018, 2019.
- ✓ Qualified for JAM Examination, 2016.
- ✓ INSPIRE SHE SCHOLARSHIP, 2013.

M.SC. THESIS:

August 2017-July 2018, under IIT(ISM), Dhanbad. M.Sc. Dissertation Title: "Synthesis, crystallization, characterization of organotin (IV) complexes and their applications" (Supervisor: Dr. Hari Pada Nayek, Assistant Professor, IIT (ISM), Dhanbad)

PUBLICATIONS:

- ✓ Dey, A.; Haldar, U.; De, P.* *Front. Chem.* **2021**, 6, 354-364.
- ✓ Kumbhakar, K.[#]; Dey, A.[#]; Mondal, A.; De, P.; Biswas, R.* *J. Phys. Chem. B* **2021**, 22, 6023-6035.