

Dr. Poulami Chakraborty

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Postdoctoral Researcher

Prof. Ehud Gazit's Lab

Tel Aviv University



Poulami joined Prof. Gazit's lab in 2021 as a postdoctoral researcher. She obtained her PhD from the oldest research institute of India, Indian Association for the Cultivation of Science from the lab of Prof. Parthasarathi Dastidar. Her PhD work was focused on designing small molecule based supramolecular gelators based on supramolecular synthon rationale through crystal engineering. During her PhD she designed gelators, obtained gels, characterised them with various techniques ranging from TEM, SEM, and LSCM to rheology and applied the gels differently including anticancer, antibacterial and also material properties.

She did her MSc. from Presidency University (Organic Chemistry specialisation), Kolkata and BSc. from University of Calcutta. She had been the DST-INSPIRE scholar and fellow throughout her graduate, postgraduate and doctoral studies.

With her experience in supramolecular self-assembly and crystal engineering, she is now an active part of the Templeton Project Group of Prof. Ehud Gazit. Her research work is mainly focused on unravelling the enigma of Metabolostasis through exploring the assembly-potential of the aggregation-prone metabolites and evaluating their enzymatic performance.

Poulami is a fun-loving research-enthusiast being in love with travelling and supramolecular gels.