

Ms. Pallabi Mandal

Junior Research Fellow

Supervisor- Prof. Ashwani K. Tiwari

Co-Supervisor-Prof. Swadhin K. Mandal

Research Interest- *Theoretical and Experimental Investigations of Transition Metal-free Catalysis*

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A brief overview about myself:

I joined the lab of Prof. Ashwani K. Tiwari and Prof. Swadhin K. Mandal in January 2023, after successfully clearing the CSIR NET-June 2021 exam. I completed my B.Sc. (Honors) in Chemistry from Tamralipta Mahavidyalay, affiliated with Vidyasagar University, and earned my M.Sc. from Midnapore College (Autonomous), also under Vidyasagar University. My current research focuses on both theoretical and experimental investigations into developing transition metal-free catalysis. I have gained experience in performing catalytic reactions under inert conditions, utilizing techniques such as working inside a glovebox and using the Schlenk line. I have performed some DFT calculations using Gaussian. I am also an active participant in the scientific community, presenting my research at international conferences, including the 30th International Conference on Organometallic Chemistry (ICOMC)-2024, held in India.

List of publications:

- Sil, S.; Unnikrishnan, K. A.; Mandal, P.; Kuniyil, R.; Mandal, S. K. *Chem. Eur. J.* **2024**, *30*, e202400895.