

Ms. Mandira Saha

Junior Research Fellow

Supervisor- Prof. Swadhin Kumar Mandal

Research Interest- *Transition metal-free small molecule activation and catalysis*

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A brief overview about myself:

I joined Prof. Mandal's lab in June, 2024, after cracking Gate- 2022. I completed by B.Sc with honours in Chemistry from Chandernagore govt. college in 2020 and M.Sc from University of Hyderabad (HCU) in 2022. I am working on the development of transition metal-free small molecule activation and further on catalysis reactions with mesoionic N-heterocyclic carbenes. My expertise is in organic as well as inorganic molecule synthesis and catalysis, I am also trained to perform catalytic reactions under inert conditions (inside the glovebox and using the Schlenk line. I actively participated in organizing several conferences, such as the Emerging Trends in Organometallics and Catalysis, an international conference on Organometallics at IISER Kolkata in 2024, (Chemistry) Meet 2024: Connecting at Konark during my tenure yet. Currently I am working on various gas molecule activation and catalysis to get value added products.

List of publications: