



Center for Atmospheric And Climate Sciences

Environmental Engineering Division
Department of Civil Engineering, IIT Madras



Upasana Panda

Ph.D.
2018- 2022

Advisors

Dr. Trupti Das &
Sachin S. Gunthe

Contact Me:

Mob: 8763799533

upasana.panda@kiit.ac.in

KIIT Square, Bhubaneswar-24, Odisha



Present status

I am an atmospheric scientist, currently working at the Kalinga Institute of Industrial Technology Deemed to be University (KIIT-DU), Bhubaneswar, India.

About Me

I completed my doctorate at CSIR-IMMT in 2022, specializing in the chemical characterization of atmospheric pollutants, with a focus on ambient particulate matter (PM). With a strong academic foundation and a deep passion for research, I am dedicated to advancing my career in ambient aerosol research and aiming to contribute to a deeper understanding of atmospheric processes within Earth Sciences.

Research Interest

- My research focuses on the chemical composition, sources, and transformation mechanisms of atmospheric aerosols, with an emphasis on understanding their role in air quality and climate. Using advanced analytical techniques, I aim to quantify the chemical processes governing aerosol evolution and assess their implications for atmospheric reactivity, human health, and radiative forcing.
- Currently, I investigate the formation pathways of secondary aerosols, the interactions between organic and inorganic constituents, and the impact of meteorological conditions on aerosol behavior.