



# Center for Atmospheric And Climate Sciences

Environmental Engineering Division  
Department of Civil Engineering, IIT Madras



**Tanmay Kishor Joshi**  
CE24D019  
Ph.D. Scholar  
UGC- JRF

**Advisor**  
Sachin S. Gunthe

## About Me

I am currently pursuing my doctoral research in the Environmental Engineering Division, Department of Civil Engineering, at the Indian Institute of Technology Madras. I hold a Master's degree in Environmental Science and Technology from the Central University of Punjab. With a strong academic foundation and a deep commitment to scientific research, my work focuses on understanding aerosol formation mechanisms, physicochemical characterization, and evaluating their influence on atmospheric processes. The aim of my research is to contribute to a comprehensive understanding of aerosols and their climatic impacts.

## Research Interest

- Exploring the role of atmospheric aerosols in Earth system processes.
- Investigating the physicochemical characteristics of atmospherically relevant laboratory-generated secondary organic aerosols.
- Implications of secondary organic aerosols on climate systems, with a focus on aerosol-cloud-climate interactions.

## Skills

- Hands-on experience with instruments: - PM2.5 & PM10 sampler, Gas Chromatography Mass Spectrometry
- Currently training in the operation of PAM-OFR, SMPS, CCN counter, and ACSM for advanced aerosol characterization.

**Contact Me:**

**Mob:** 9175045924

[tanmayjoshi808@cacs.iitm.ac.in](mailto:tanmayjoshi808@cacs.iitm.ac.in)

Room No. 509, ED Building

