



Center for Atmospheric And Climate Sciences

Environmental Engineering Division
Department of Civil Engineering, IIT Madras



About Me



I am a research scholar at the School of Interdisciplinary Studies, IIT Madras, jointly affiliated with the Center for Atmospheric and Climate Sciences (CACS) and the Department of Humanities and Social Sciences. I hold an Integrated BS–MS degree with a major in Environmental Science and a minor in Humanities and Social Sciences from IISER Bhopal. With a strong foundation in climate and social sciences, I integrate atmospheric science, data analytics, and socio-economic perspectives to address complex climate challenges.

Research Interests

My research interests lie at the intersection of climate science, energy systems, and socio-economic analysis. I work with high-resolution regional climate models to assess how future climate conditions, variability, and extremes influence energy demand, renewable energy potential, and socio-economic outcomes in India. Broadly, my work focuses on climate projections, scenario-based assessments, and integrated climate–energy impact analysis.

Skills

- Experienced in working with regional climate model outputs, reanalysis datasets, and handling NetCDF/GRIB files in Linux-based environments.
- Skilled in climate diagnostics, interdisciplinary data interpretation, and developing model-driven insights for energy–climate impact assessments.
- Proficient in Python and Climate Data Operators (CDO) for processing, analyzing, and visualizing large-scale climate and geospatial datasets.

Anu M

ID25D012
Ph.D. Scholar
(HTRA)

Advisor

Sachin S. Gunthe

Contact Me:

Mob: +91 9342507713

anum1102@cacs.iitm.ac.in

Room No. 302, CACS, NAC II

