



Divecha Centre for Climate Change
Indian Institute of Science, Bengaluru



Training Program on
AEROSOLS AND CLIMATE

Background: Human activity has had a profound impact on our climate. In recent years, there has been a substantial increase in interest in the climate impact of aerosols. Of special significance is black carbon (BC) aerosol, the dark light-absorbing microscopic particles in the air, which greatly influence the energy balance of the Earth-atmosphere system. Despite the general consensus among climate scientists on the significant role of aerosols on regional and global climate, various studies and impact assessments provide widely differing and contrasting inferences and projections. Viewed against the above global backdrop, the South Asian region and India assume special significance due to their diverse geographical features, high population density, rapid urbanization, and industrialization, which together lead to a highly complex aerosol system. Aerosols and their climate impacts are the topics of this training program.

About the program: The training program includes lectures by eminent scientists and experts, as well as practical and tutorial sessions on scattering models, radiative transfer models, instruments, and satellite remote sensing. The topics include: Basics of Aerosols; Atmospheric Scattering due to Aerosols; Scattering models; Radiative Transfer Through the Atmosphere (with an emphasis on the effects of aerosols); Simple Radiative Transfer Models; Training on aerosol instrumentation; and so on.

Date: 07 to 18 December 2026. Accommodation and local logistics will be provided.

Eligibility: Post Graduate (M. Sc., M. Tech., M. E.) and PhD students from recognized Institutes/Universities.

How to Apply: Applicants may email their CV and expression of interest to office.dccc@iisc.ac.in. There is no registration fee.

Deadline for application submission: **02 November 2026**. The selected candidates will be informed within a couple of days after the deadline.