



**Divecha Centre for Climate Change
Indian Institute of Science, Bengaluru**



Training Programme 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 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 in the above global backdrop, the South Asian region and India assume special significance due to the diverse geographical features, high population density, rapid urbanization and industrialization, leading to a highly complex aerosol system. Aerosols and their climate impacts are the topics of this training programme.

About the programme: The training programme include lectures by eminent scientists/experts and practical/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 emphasis on the effect of aerosols); Simple radiative transfer models; Training on advanced aerosol instrumentation and so on.

Date: 5 to 16 December 2022. Accommodation and local logistics will be provided.

Eligibility: Postgraduate (M.Sc., M.Tech., M.E.) and Ph.D. students from recognized institutes/universities.

How to apply: Students can e-mail their CV and interest to: office.dccc@iisc.ac.in. There is no registration fee.

Deadline: Last date for submission of applications is **15 November 2022**; the selected candidates will be intimated in couple of days after the deadline.

Online Workshop on Science Writing

Current Science has been organizing a series of training workshops on science writing for the benefit of scientists, researchers and science faculty in India from 2016. Due to the COVID-19 pandemic, the workshop series was re-designed to be conducted online. The third online workshop on science writing will start on 25 December 2022 and end on 26 March 2023.

The workshop aims to enhance the capacity of scientists and researchers to write different types of scientific articles, reviews, grant applications and project reports. Indian citizens with a Ph.D. degree in any branch of science or at least two scientific papers in peer-reviewed journals may apply. Applications are invited from interested faculty in Indian universities and scientists in Indian research institutes.

Selected participants are expected to take active part in the 60–90 minutes online video sessions on Saturdays and Sundays. During the weekdays, there will be group e-mail discussions on issues related to science and writing, activities and exercises requiring about 15 minutes from the participants, at their own convenient time.

This is not a course to merely attend, but a workshop where the work of writing publication worthy science is done by the participants. To allow group discussions, interpersonal interactions, hands-on training, feedback and mentoring, only 20 persons will be selected for the workshop.

Registration fee: Rs 5000 to be paid on selection.

Application form and the details of the workshop are available at:

<https://forms.gle/SRsK4wnRPHdpyh9BA>

Last date for application: **10 December 2022**