





National Symposium TROPMET- 2022

29 November - 2 December 2022

On

Advances in Weather and Climate
Prediction and Climate Change
Projection over South Asia:
Applications in Water and
Agriculture Sectors



Jointly hosted by

Department of Earth and Environmental Sciences, IISER Bhopal

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Indian Meteorological Society (IMS)- Bhopal Chapter



Organised by

IMS, New Delhi, India



Background

TROPMET is a series of national conferences organized each year by IMS. This year, TROPMET will be held in the city of Bhopal. TROPMET-2022 focuses on weather and climate prediction, including applications in the water and agricultural sectors. The climate varies naturally in space and time. Today's concern is the occurrence of climate changes due to human activities. These changes are manifested in an increase in temperature, extreme weather events such as floods, droughts, heat waves, dust storms, heavy precipitation events etc. These weather events need constant monitoring to reduce their potential impacts on society. Since observation stations are not available at every spatial point of interest, modelling efforts are required to help assess the situation. Also, process studies are essential to understand the phenomena to a greater depth. Keeping these facts in mind, TROPMET 2022 will make efforts to bring together climate scientists, agricultural scientists, local government bodies, academics, policymakers and disasters, and other related experts to discuss and share information for the benefit of the society.

The Indian Meteorological Society (IMS), established in 1957, is a non-profit organization that promotes the advancement and dissemination of knowledge, especially in the field of meteorology and related sciences. It has more than 3,500 Life Members from 100 or more research institutes, universities, user agencies, NGOs, and main industries. There are also several student members. The IMS's HO is located in New Delhi.

The objectives of IMS are:

- Advancement of Meteorological & Allied sciences.
- Dissemination of knowledge of such sciences both among the scientific workers and among the public.
- Application of Meteorology and allied sciences to various constructive human activities, such as agriculture and land uses, irrigation and power development, navigation of sea and air, engineering and technology, medicine and public health etc.

IMS Bhopal Chapter

The Bhopal chapter of the IMS was established in 1997. The members of this chapter are mainly from IMD and IISER Bhopal. The main objective of this chapter is to popularize meteorology and allied sciences along with their uses in various human activities mainly addressing the agriculture and water sectors. The Bhopal chapter had successfully organized the TROPMET-2007.

Themes of symposium

- Weather and Climate Processes
- Climate Modelling, Prediction and Projections
- Applications of Weather and Climate in Hydrology
- Applications of Weather and Climate in Agriculture
- Monsoon Prediction and Projections
- Climate Services
- Remote Sensing Application in Weather and Climate Prediction
- Impact based Weather and Climate Prediction
- Weather and Climate Extremes

Important Dates

Last date for Abstract Submission	15 st August, 2022	
Intimation on Acceptance of Abstracts	31 th August, 2022	
Confirmation of Participation	15 th September, 2022	
Online Registration Starts	1 st October, 2022	
Early Bird Registration ends	31st October, 2022	
Inauguration	29 th November, 2022	

Associated Events

Research Scholar's Competitive and Scientific Presentation and Poster Campaign	29 th November, 2022
Presentation and Exhibition	29 th November-02 nd December, 2022
Interaction Meet of Experts with Stakeholders, Media and NGO's	29 th November, 2022

Registration Fees

Category	By 31 st October, 2022	On Spot
IMS Members	Rs.3000	Rs.4000
Non-IMS Members	Rs.4000	Rs.5000
Scholars/Students	Rs.1000	Rs.2000
Foreign National/Private Sectors	Rs. 10000	Rs. 12000

The Registration Fee can be paid through multiple payment options such as net banking or debit/credit cards or bank drafts. There is no registration fee for Honorary Fellows and Fellows of the Society.

Submission of Papers

Abstracts of research papers are invited on the above themes. A softcopy of the abstract not exceeding 300 words should be uploaded on the website, https://conf.iiserb.ac.in/TROPMET/register/

Industry Presentation & Exhibition

Special sessions are planned to provide a platform for industry/entrepreneurs. A presentation slot of 15 to 20 minutes duration will be allowed for selected industry/entrepreneurs. Provision is also made for vendors to exhibit their products and services .

Best paper award

The best paper awards in the student category (lead author of the paper must be a student) and non - student category will be given to the selected papers presented. . It is advised to mention whether their paper should be considered for the best paper award during abstract submission.

Accommodation and Transport

TROPMET-2022 have minimal resources for offering accommodation and travel support, and all participants are expected to secure support from their sources. The support may be extended to a few case-by-case basis, with priority given to IMS members with no affiliations and students without financial support.

Venue

Visitor's Hostel, Indian Institute of Science Education and Research Bhopal, Bhauri, Bhopal 462066, M. P., India

About Bhopal

Bhopal, known as the 'City of Lakes', is the capital of Madhya Pradesh and one of the cleanest cities in India. The city offers a true combination of the scenic beauty of historical and modern urban planning. Bhopal and its surrounding regions are home to several cultural and chequered heritage sites, including Buddhist monuments at Sanchi and the rock shelter of Bhimbetka, both declared World Heritage Sites by UNESCO. One can also visit the Tropic of Cancer on their way to Sanchi. Other significant attractions in and around Bhopal include Fatehgarh Fort, Lakshminarayan Temple, the Museum of Man, and an open-air exhibit of replicas of different Indian tribal dwellings. The city is well connected by air, railways, and roads to major metro cities.

Climate: The climate of Bhopal during November and December is very pleasant and clear with an average maximum temperature being ~30°C and a minimum being 15°C with a mostly dry atmosphere.

About IISER

Indian Institute of Science Education and Research (IISER) Bhopal, a premier academic institute, was established by the Ministry of Education, Govt. of India on February 20, 2008. It offers BS-MS dual and Ph.D. degrees in various academic disciplines. Over the years, IISER Bhopal has been attracting talented young minds. The Earth and Environmental Sciences department (EES) started as a minor course in the year 2014 and a major in 2016 to encourage multidisciplinary studies integrating chemistry, biology, physics, geology, and environmental science. It offers students a unique opportunity to build on their foundation in natural and engineering sciences to solve problems in the domain of EES.



Sanchi Stupa

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