



The Indian Meteorological Society
proudly announces its
International Conference

INTROMET 2025

@
IITM

Pune India
on 18,19,20 November 2025

on

Advances in Tropical Weather,
Ocean, and Monsoon Climate
Research for a Sustainable Future



Call for abstract

The Symposium will feature plenary sessions and invited talks by leading international experts across various thematic areas. In addition, contributory papers are welcome from researchers, technologists, and practitioners. Authors are invited to submit original contributions in the form of abstracts, written in English, and aligned with the listed conference themes. Submissions should focus on research advancements, technological innovations, and/or practical field applications. Abstracts should not exceed 500 words and must be formatted using Arial font, size 12, with 1.5 line spacing. Each submission should clearly mention the title of the paper, names of all authors, the presenting author (in bold), and the email ID of the corresponding author.

Submission of abstract

A soft copy of the abstract, along with the duly filled registration form, should be submitted online through the Intromet-2025 website: <https://intromet25.tropmet.res.in/> on or before 15 Aug, 2025. All further correspondence with the corresponding authors will primarily be conducted via email at intromet2025@gmail.com.

Registration fee

CATEGORY	EARLY	ON SPOT
IMS/OSI/ISG/ISRS Members	₹ 3000	₹ 4000
Non IMS/OSI/ISG/ISRS Members	₹ 4000	₹ 5000
Research Scholars/Students	₹ 1000	₹ 1500
Post-Doctoral Researchers	₹ 2500	₹ 3000
International participants	\$ 100	\$ 150

The conference Theme

INTROMET-2025 at IITM Pune, aims to serve as a multidisciplinary platform showcasing the critical role of cutting-edge research and technological advancements in tropical weather forecasting and monsoon studies worldwide. In the context of climate change, accurate forecasting of weather patterns and extreme events is crucial for sustainable development and societal benefit. Advances in understanding tropical weather and extreme events are helpful to mitigate natural disasters, enhance agricultural productivity, and optimize water resource management over the Indian subcontinent. Integrating innovative techniques with comprehensive research on regional and global monsoon systems enables the development of adaptive strategies that enhance community resilience, protect ecosystems, and support sustainable economic growth. This conference will serve as a platform to catalyze transformative ideas into actionable solutions for a sustainable and resilient future.

Sub-Topics Covered:

- Innovations in Weather Prediction and Early Warning System
- Monsoon Dynamics and Prediction
- Advances in Ocean-Atmosphere Interaction
- Climate Change and Extreme Weather Events
- Process studies of Aerosols, Clouds and Precipitation by Observation and Models
- Thunderstorm Dynamics and Radar Meteorology
- AI/ML in Weather and Climate Prediction
- Climate Modeling: Past, Present and Future
- Weather and Climate Science for Sustainable Agriculture and Hydrological practices
- Advancement in understanding on interactive chemical processes during the Asian summer monsoon in changing climate
- Advances in ocean bio-geo processes
- Polar and Cryosphere Studies
- Physical Chemical and Biological Oceanography
- Remote Sensing for atmosphere and ocean
- Impact Assessment, Adaptation, and Disaster Preparedness
- Urban Meteorology: Planning and Resilient Infrastructure
- Community Engagement in the field of weather and climate
- Paleoclimate observations and modeling
- Soil Moisture variability and its implications on Weather, Agriculture, Water Resources, and Ecosystems
- Biosphere-Atmosphere Interactions in the Indian Subcontinent
- Geoinformatics for disseminating weather and climate information
- Environmental Pollution, Health Impacts and Risks

Local Organisers:

IMS Pune Chapter
Co-Organisers: IITM & IMD

Venue: Indian Institute of Tropical Meteorology (IITM), Pune-411008, INDIA
Accommodation: IITM Prithvi Hall of Residence, IISER, NCL, ARDE, SPPU Guest Houses

Partners: MoES, CDAC, IISER, SPPU, ISRS, OSI, ISG

About Pune City: Pune, known as the 'Queen of the Deccan', is well known for its Maratha heritage, music-dance and culture. It serves as a hub for academic and research activities, with research institutions like IITM, C&RS-IMD, Savitribai Phule Pune University (SPPU), and IISER contributing significantly to scientific advancements. During November, Pune experiences mild and pleasant weather characterised by cooler temperatures, and the city's landscape is vibrant, with lush greenery after the monsoon season. The city enjoys clear skies with less chance of rainfall, making it a comfortable time for outdoor activities and exploration. There are many tourist spots in the vicinity of Pune such as Shaniwarwada, Temples, Ajanta Ellora caves, Lonavala and Mahabaleshwar Hill stations are among a few.

About Organizing Team: IMS Pune comprises dedicated members from IITM, IMD, SPPU, and CDAC, forming a highly skilled and experienced manpower pool ideal for organizing INTROMET-2025. IITM, renowned for its research in tropical meteorology, brings expertise in climate modeling, monsoon dynamics, and weather prediction. IMD Pune, as India's premier meteorological agency, contributes extensive resources in observational meteorology, forecasting, and disaster management. Together, they offer comprehensive logistical support, scientific coordination, and technical expertise essential for organizing successful conferences in meteorology, climate science, and related fields.

Logistical facility: IITM offers robust infrastructure suited for hosting conferences of various scales and complexities. Its state-of-the-art auditoriums, equipped with modern audio-visual systems, can accommodate over 500 participants. Comfortable accommodation is available at the Prithvi Hall of Residence and nearby guest houses at IISER, NCL, and ARDE. As a metro city, Pune also offers affordable star hotels close to the venue. With excellent facilities and a strategic location, IITM is an ideal venue for international conferences on tropical meteorology, climate research, and sustainable development.

Important dates

Registration and Submission of abstracts starts on:	15 May 2025
Abstract submission close on	15 Aug 2025
Notification of acceptance of abstracts:	30 Aug 2025
Early registration close on	30 Sep 2025

Contact:

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The Indian Meteorological Society,
Pune Chapter
cordially welcomes you to the
Queen of the Deccan
Pune