



Indian Meteorological Society
proudly announces its
International Symposium on Tropical Meteorology

INTROMET 2025

@

Indian Institute of Tropical Meteorology

Pune-India

on 18,19,20 November 2025

on

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



TROPMET/INTROMET is the flagship conference series of the Indian Meteorological Society (IMS), initiated in 1992 and held annually as TROPMET, with every fourth year organized as the international symposium, INTROMET. Now in its 30th edition, it remains the largest continuous platform for presenting original research and engaging in discussions with experts in meteorology, oceanography, climate science, and related fields. This year, INTROMET is organized by IMS Pune chapter and hosted at IITM, Pune.

Call for abstract

The symposium will feature plenary sessions and invited talks by leading national and international experts across key thematic areas. In addition, Researchers, Academicians, Technologists, and practitioners are invited to submit original contributions in the form of abstracts, focusing on research advancements, technological innovations, or field applications.

Registration & Submission of abstract

Registration and abstract submission must be completed through the conference website: <https://intromet25.tropmet.res.in>. Participants are required to register first and then submit a soft copy of the abstract online through the Intromet-2025 portal. All further communication will be via email at intromet2025@gmail.com / intromet2025@tropmet.res.in.

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 |

About the conference

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.

Themes and Sessions

- Innovations in Weather Prediction and Early Warning System
- Global and regional Monsoons in a changing climate
- Physical, Chemical and Biological Oceanography
- Advances in Ocean-Atmosphere Interaction
- Climate Change and Extreme Weather Events
- Process studies of Aerosols, Clouds and Precipitation by Observation and Models
- Ground and Space Based Radar Applications
- AI/ML in Weather prediction and Climate science
- Weather and Climate Science for Sustainable Agriculture and Hydrological practices
- Advancement in understanding on interactive chemical processes during the Asian summer monsoon
- Soil Hydrology: Weather, Agriculture, Water Resources, and Ecosystems perspectives
- Advances in Climate Services for Sectoral Applications
- Ocean Biogeochemical processes and climate
- Monsoon Dynamics and Prediction
- Polar and Cryosphere Studies
- Remote Sensing for atmosphere and ocean
- Impact Assessment, Adaptation, and Disaster Preparedness
- Urban Meteorology: Planning and Resilient Infrastructure
- Understanding and Mitigating Climate Impacts in Cities
- Community Engagement in the field of weather and climate
- Paleoclimate observations and modeling
- Biosphere-Atmosphere Interactions
- Geoinformatics for disseminating weather and climate information
- Environmental Pollution, Health Impacts and Risks
- Review of monsoon forecasts
- Emerging Startups in weather and ocean science

Local Organisers

IMS Pune Chapter

Co-Organisers: IITM & IMD

Venue

Indian Institute of Tropical Meteorology (IITM), Pune-411008, INDIA

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, IISER, 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.

Financial Support to Students & ECR

Limited financial support will be provided to students and ECRs; those seeking support must fill out the online support form available on the portal.

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 |

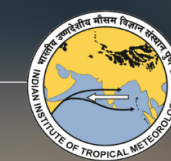
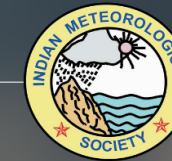
Contact:

Dr Milind Mujumdar
Chairman, IMS Pune Chapter

Dr. Sabin T P
Organizing Secretary, INTROMET-2025

Indian Institute of Tropical Meteorology
Ministry of Earth Sciences, Govt. of INDIA
Pashan, Pune, INDIA 411 008
+91-20-2590-4200

intromet2025@tropmet.res.in / intromet2025@gmail.com



The Indian Meteorological Society,
Pune Chapter

cordially welcomes you to the

Queen of the Deccan
Pune