



National Symposium on
**Understanding the science of heatwaves under the warming
scenario and challenges ahead**

19th March 2024

Venue: Meghdoot Auditorium, IITM, Pune

Jointly Organized by

Indian Meteorological Society, Pune Chapter (IMSP)

India Meteorological Department (IMD)

Indian Institute of Tropical Meteorology (IITM)

Ocean Society of India (OSI)

0830-0930	REGISTRATION	
	INAUGURATION	
0930-1015	Inaugural Function	Dr. M. Ravichandran, Secretary, MoES Prof. Shekhar Mande, Distinguished Professor, SPPU Dr. R. Krishnan, Director, IITM Dr. Rupa Kumar Kolli, President, IMS Shri. K. S. Hosalikar, Chairman, IMSP Dr. Satyaban B Ratna, Secretary, IMSP
1015-1100	GROUP PHOTO & TEA BREAK	
	Session 1: Chair: Dr Ajit Tyagi Co-chair: Dr Rajib Chattopadhyay	
1100-1120	Heat Waves: Climatology, Trends, Impacts and Management System in India	Dr. S. C. Bhan, IMD, Delhi
1120-1140	Heat Action Plan and related challenges for the Indian Cities	Prof. Rajashree Kotharkar, VNIT, Nagpur
1140-1200	Health-Based Thresholds for Heat Early Warning Systems	Dr Abhiant Tiwari, NRDC, Delhi
1200-1210	Heat Waves in India: Patterns, Associations, and Subseasonal Prediction Skill	Raju Mandal, IITM, Pune
1210-1220	Atmospheric Blockings over North Atlantic Teleconnection to the Heatwaves over Northwest India: A Study of the Present, +1.5°C and +2.0°C Warming Worlds	Dr. Arulalan T, IMD HQ/IIT-Delhi

Session 2:		
Chair: Dr. Rupa Kumar Kolli Co-chair: Dr. R. K. Jenamani		
1225-1245	Assessment of Heat-Health Risks and Economic Impacts	Dr. Purnamita Dasgupta, Institute of Economic Growth, Delhi
1245-1305	India's Heat Action Plan: Successful Public Health Intervention for mitigation and adaptation against Heatwave	Prof. Mahaveer Golechha, IIPHG, Gandhinagar
1305-1315	Wave and extreme maximum temperature over Rajasthan, India	Dr. Radheshyam Sharma, IMD Jaipur
1315-1325	Marine Heatwaves in the Bay of Bengal and possible Impacts	Dr. Sourav Sil, IIT Bhubaneswar
1325-1335	Seasonal forecasts of Marine Heat Waves	Dr. Ankur Srivastava, IITM Pune
1335-1430	LUNCH BREAK	
Session 3:		
Chair: Dr. A. K. Sahai Co-chair: Dr O. P. Sreejith		
1430-1445	Marine Heatwaves, Tropical Cyclones, and Terrestrial Heat Waves Cascading in a Changing Climate	Dr. Roxy M Koll, IITM Pune
1445-1500	Heat-Health Adaptation — A multi-disciplinary viewpoint	Prof. Joy Montero, IISER Pune
1500-1515	HPC-enabled Urban Integrated Modelling: Challenges and Solutions	Dr. Sahidul Islam, CDAC, Pune
1515-1530	Soil moisture induced land-atmosphere interactions in the evolution of extreme temperature over India	Dr. Bhupendra Singh, IITM, Pune
Oral and Poster presentations will be reviewed for student prizes: 1530 – 1640 hrs		
1530-1540	Understanding Climate Variability in North India: A Machine Learning Perspective	Aayushi Tandon, University of Petroleum and Energy Studies
1540-1550	Observed Intensification of Moist Heat Stress over the Indian Region	Lekshmi S, IMD Pune
1550-1600	Heat stress analysis using RTMA over India	Dr. Sridevi Ch. NCMRWF, New Delhi
1600-1610	Impact of Marine Heatwaves on Oceanic Ecosystems	Smt. Ponmozhi A, Anna University
1610-1640	TEA BREAK	
Session 4:		
Chair: Dr Anupam Kashyapi		
1640-1700	Media Discussions	Media Representatives
PANEL DISCUSSION		
Moderator: Dr Ajit Tyagi		
1700-1730	Dr. R. K. Kolli, Dr R. Krishnan, Dr. S. C. Bhan, Prof Purnamita Dasgupta, Prof. Rajashree Kotharkar	
1730 -1800	Valedictory and Prize Distribution	