



INTERNATIONAL SYMPOSIUM ON  
TROPICAL METEOROLOGY  
(INTROMET-2021)

ON  
**CHANGING CLIMATE :**  
CONSEQUENCES AND  
CHALLENGES  
(C4-21)



**IN VIRTUAL MODE**

**NOVEMBER 23 - 26, 2021**

*JOINTLY ORGANIZED BY*



**Cochin University of Science  
and Technology (CUSAT),**  
Cochin, Kerala State, India



**Indian Meteorological  
Society,**  
Cochin Chapter

**UNDER THE AUSPICES OF**  
**Indian Meteorological Society, New Delhi**

# About Symposium

## Background

'Climate Change' is a reality! It is accelerated by human interventions and poses huge risks for a range of human and natural systems. As man-made interferences continue to increase, so are the risks and associated impacts.

If not for COVID-19, the year 2020 could very well be the worst in terms of climate change. Climate-related extreme weather events have broken all records world-wide in this decade, whether it is the recorded wildfires raging in the US, Australia, Canada, and Africa, or the worst floods in parts of India, China, and Europe, or the increasing trends of devastating storms globally, or the huge decline in potable water & agricultural productivity due to erratic weather pattern, or the galloping air pollution, or the spread of pandemic and pest attacks under conducive atmospheres. The year 2020 has been declared by the NOAA as

the second-warmest year on record, trailing only 2019, with the previous decade producing seven of the hottest 10 years in history!

The proposed INTROMET-2021 Symposium at CUSAT, Cochin, will provide an excellent opportunity for the national and international Atmospheric Scientists to discuss various issues in the Changing Climate and its consequences and challenges in recent times. The current scenario of erratic variability of monsoons, heavy rainfall events, frequent occurrence of floods and landslides, rise in the frequency of tropical cyclones, etc. is a cause of great concern for the scientific community and the common public, besides posing a hurdle for decision-making bodies in the proper planning for agriculture, power, disaster management, and socio-economic development. The researchers of various universities and academic and research institutions will also get a chance to deliberate on these significant issues with the eminent scientists attending the INTROMET-2021.

## Symposium Themes

Focal Theme of INTROMET-2021

**Changing Climate: Consequences and Challenges (C4-21)**

### Sub Themes

- 1 - Changing Climate – Observations, Attribution and Model Projections (CHC)
- 2 - Ocean-Land-Atmosphere Interactions (OLA)
- 3 - Clouds, Convection and Precipitation Processes (CCP)
- 4 - Climate Variability and Extreme Weather Events (CVE)
- 5 - Monsoons: Seasonal Variability, Prediction and Predictability (MPP)
- 6 - Tropical Cyclones in Changing Climate (TCC)
- 7 - Aerosols, Air Pollution and Climate Sensitivity (AAP)
- 8 - Stratospheric Processes and their Role in Weather and Climate (SPC)
- 9 - Data Assimilation Techniques and Numerical Weather Prediction (DAP)
- 10 - Radars and Satellites in Observations and Prediction (RSO)
- 11 - Geo-spatial Techniques and Earth Observations (GTE)
- 12 - Water Resources, Agriculture and Climate Change (WAC)
- 13 - Coastal and Marine Ecosystems in Changing Climate (CME)
- 14 - Climate and Human Health Issues (CHH)
- 15 - Disaster Management and Climate Change (DMC)
- 16 - Adaptation, Mitigation and Sustainable Development (AMS)



# IMS Cochin Chapter

## **Brief Description of IMS Cochin Chapter**

IMS Cochin Chapter was formed in the year 1996. Since its inception, the IMS Cochin Chapter has been organizing local, regional & national seminars, workshops, lecture series, student colloquium, stakeholder workshops, and special lectures to benefit the meteorological community. TROPMET-2000 was successfully conducted by the IMS Cochin Chapter. Many of the IMS Cochin Chapter members are bestowed with prestigious international, national, and State-level awards. The Chapter is also engaged in public awareness programs through print and visual media. At present, it comprises members from various institutions like CUSAT, IMD, NPOL-DRDO, Indian Navy, Cochin Port Trust, CSIR-NIO, CMLRE, KUFOS, etc.



# Call for Papers

The Symposium will have plenary sessions and invited talks to be delivered by international experts on various themes and contributory papers. Contributing authors are invited to submit their original contributions in the form of extended abstracts in English, conforming to the listed themes with major focus on the research, technology and/or field applications.

## Abstract

**Guidelines for preparing abstract:** The sample abstract illustrates the format for preparing abstracts for INTROMET-21. Authors must prepare their abstract for direct reproduction in the abstract book; the abstract text will appear precisely as the author prepared it. Abstracts (one page limit) should be single-spaced Times New Roman font with 12 points. Leave one blank line under the title. On the next line, type the authors' names, centered, underlining the presenting author. Centered on the next line(s), type the affiliation(s) and address(es); superscripts may be used to designate different addresses and affiliations of authors. Leave one blank line and then begin the body of the abstract on the next line. Any references or support acknowledgements must be included within the text of the abstract. An abstract should contain summary of a paper's substance including research problem, background, purpose, methodology, results and conclusion, limited to 300 words. The abstract should be submitted in pdf format. A template for abstract is made available in the INTROMET-2021 website.

## **Publication in the Special Issue of a Reputed Journal**

The organizing committee facilitates the participants to submit their original research work as a full paper in the special Issue of a reputed international journal. Details will be available on the INTROMET-2021 website soon.

- **25 MAY 2021**  
SECOND CIRCULAR :  
CALL FOR ABSTRACTS
- **05 JUN 2021**  
ABSTRACT SUBMISSION  
STARTS
- **31 JUL 2021**  
ABSTRACT SUBMISSION  
ENDS
- **15 AUG 2021**  
ACCEPTANCE OF  
ABSTRACT
- **15 AUG 2021**  
ONLINE REGISTRATION  
STARTS
- **20 SEP 2021**  
ONLINE REGISTRATION  
ENDS
- **10 OCT 2021**  
SUBMISSION OF  
EXTENDED ABSTRACT

## Registration Fees

CATEGORY	By 31 AUG 2021
IMS Members	INR 500/-
Non-IMS Members	INR 750/-
Scholars/Students	INR 500/-
Foreign National	USD 50
Industry	INR 1000/-



- **23 Nov 2021**  
Interaction of Experts with Stakeholders, Media and NGOs
- **23 - 26 Nov 2021**  
Exhibition
- **24 Nov 2021**  
Students Session
- **25 Nov 2021**  
IMS-OSI Joint Session on 'Role of Ocean in Climate

### Prof. K. Mohankumar

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