



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

IN VIRTUAL MODE
23-26
NOVEMBER, 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

Cochin University of Science and Technology in association with Cochin Chapter of the Indian Meteorological Society (IMS) proposes to host INTROMET-2021 with the theme Changing Climate: Consequences and Challenges. It will provide an excellent opportunity for the national and international community of Atmospheric Scientists to discuss various issues of the **changing climate and their consequences and challenges**.

50th Anniversary year of the Cochin University of Science and Technology

Cochin University of Science and Technology (CUSAT) is a state funded autonomous science and technology university Kerala, India. Founded in 1971, it has three campuses: two in Kochi and one in Kuttanad, Alappuzha. The university awards degrees in science and engineering subjects at the undergraduate, postgraduate and doctoral levels. CUSAT has at present 29 departments of study and research offering graduate and post-graduate programs across a wide spectrum of disciplines in frontier areas of Science, Engineering, Technology, Humanities, Law and Management. The University has academic links and exchange programs with several institutions across the globe. CUSAT has won the Chancellor's award for the best university in Kerala in 2018 and 2020, for the overall excellence. The year 2021 marks the golden jubilee year for CUSAT.

Advanced Centre for Atmospheric Radar Research (ACARR) is a benchmark center of CUSAT fostering inter and multidisciplinary research activities. The Stratosphere Troposphere (ST) Radar at Cochin is the first Wind Profiler Radar in the near-equatorial site to study the monsoon features operating at 205 MHz VHF range. Cochin ST radar operating at 205 MHz range is an active phased array is the World's first atmospheric wind profiler radar in the 200 MHz frequency range. The ST Radar at Cochin is designed, developed and installed altogether indigenously, and become a part of the Make in India Program of the Government of India. The Centre is offering both short-term and long term training programs to students of various capacity and produced several PhDs and facilitating inter-disciplinary doctoral research programs in atmospheric sciences, electronics and technology.

The Indian Meteorological Society (IMS) is a non-profit organization, established in 1956 to promote the advancement, dissemination of knowledge, and application of Meteorology and related sciences. The IMS Cochin Chapter was formed in the year 1996 at the Cochin University of Science and Technology (CUSAT), Cochin. Since its inception, the Chapter has been organizing various seminars, lectures, student colloquia, stakeholder workshops and special lectures to benefit the meteorological community. TROPOMET-2000 was organized by the IMS Cochin Chapter in February 2000.

About Indian Meteorological Society

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)
- 17 - OSI Joint session on "Role of Ocean in Climate" (ROC)

*Best Student Paper Awards for each theme

Call for papers

Global warming and climate change is a reality now and possible consequences of global warming will not be limited to one country or even continent but will permeate almost every aspect of the environment and all life forms. Extreme events such as heat waves, heavy rains, intense cyclones are becoming more frequent and better understanding of the physical climate system through observations and modeling will improve the future projections and help the policy makers for taking appropriate action. Research papers of original contributions are invited for Oral/ Poster presentations in the conference. 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.

Submission of Abstracts

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 limited to 300 words. No figures and tables allowed in the abstract. We encourage you to send an informative abstract (complete abstract) which is a summary of a paper's substance including the research problem, background, purpose, methodology, results, and conclusion. Download the abstract template from the website (intromet2021.org) and follow the format carefully. If the abstract template is not followed as is, you will be asked for revisions.



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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 in the INTROMET website soon.



CATEGORY	BY 30 SEP 2021	AFTER 30 SEPTEMBER STANDARD REGISTRATION FEE SHOULD BE APPLIED	REGISTRATION FEES
IMS Members	INR 500/-	INR 750/-	
Non-IMS Members	INR 750/-	INR 1000/-	
Scholars/Students	INR 500/-	INR 750/-	
Foreign National	USD 50	USD 75	
Industry	INR 1000/-	INR 1500/-	

Registration fee should be paid by online transfer at conference website www.intromet2021.org. Additional services charges from bank should be borne by participants.

ASSOCIATED EVENTS

- **23 Nov 2021**
Interaction Meet of Experts with Stake Holders, Media and NGOs :
- **24 Nov 2021**
Students Session :
- **23 - 26 Nov 2021**
Exhibition :
- **25 Nov 2021**
IMS-OSI joint session on "Role of Ocean in Climate :

- **30 AUG 2021**
ABSTRACT SUBMISSION ENDS
- **15 SEP 2021**
ACCEPTANCE OF ABSTRACT
- **01 SEP 2021**
ONLINE REGISTRATION STARTS
- **30 SEP 2021**
EARLY BIRD REGISTRATION ENDS
- **15 OCT 2021**
SUBMISSION OF EXTENDED ABSTRACTS

IMPORTANT DATES

Prof. K. Mohankumar

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