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Registration

- (i) Selected abstracts will be treated as confirmed registrations.
- (ii) Only one abstract per presenting author.
- (iii) No Registration fees.
- (iv) No mandatory Registration process for IMSP members & Life members.

Important Dates

Registration cum Abstract Submission Starts: 13 December 2021
Deadline for Abstract Submission: 04 January 2022
Communication of Acceptance of Abstracts: 01 February 2022

Contact details:

Dr. M.C.R. Kalapureddy, EC Member, IMSP

Mob: 09420220318

Email: kalapureddy_mcr@gmail.com

Mrs. Smitha Nair, EC Member, IMSP

Phone: 020 25572222, Mob: 9822773475

Email: smitha1206@gmail.com

IMSP E-mail: punchapterims@gmail.com

Web-link: <http://www.imdpune.gov.in/Links/imsp/>



Annual Monsoon E-Workshop (AMW 2021) and National E-Symposium on “Changing climate and extreme events: impacts, mitigation & Role of oceans”

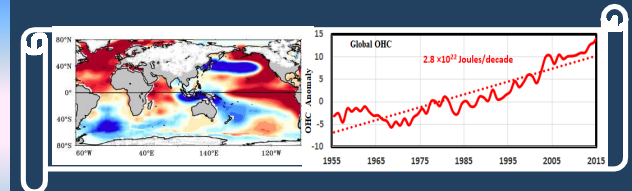
To be Organized by: Indian Meteorological Society, Pune Chapter (IMSP)

(In association with IITM Pune, IMD Pune and Ocean Society of India, Pune Chapter)

Dates: 21 – 23 February, 2022 (Monday - Wednesday)

E-Venue

MICROSOFT TEAMS PLATFORM



‘Azadi ka Amritmahotsav’

Sponsored / Hosted by:

- Ministry of Earth Sciences (MoES), Government of India, New Delhi
- Indian Institute of Tropical Meteorology (IITM), Pune
- India Meteorological Department (IMD), Pune /Delhi
- Savitribai Phule Pune University (SPPU), Pune
- Department of Science & Technology (DST), Government of India, New Delhi
- Science and Engineering Research Board (SERB), DST, Govt. of India, New Delhi
- Indian Meteorological Society, National Council (NC) HQ, New Delhi
- Indian Space Research Organisation (ISRO): SAC, NRSC
- Centre for Development of Advance Computing (C-DAC), Pune
- National Atmospheric Research Laboratory (NARL), Department of Space, ISRO

❖ About IMSP and Annual Monsoon E-Workshop (AMW 2021):

The Indian Meteorological Society, Pune Chapter (IMSP), a Chapter under Indian Meteorological Society, is one of the largest and active chapters in the country. About 600 members are actively associated with India Meteorological Department (IMD), Indian Institute of Tropical Meteorology (IITM), various departments of Savitribai Phule Pune University, CDAC, IISER and other institutions. IMSP is one of the most important platforms for the meteorological stalwarts, for forwarding their experience and science to the next generation, even after their retirement. In order to keep a pace with time-to-time developments in the field of Meteorology, this Chapter organizes a sizable number of popular lectures by eminent meteorologists from India and abroad and more thematic programs focusing on popularization of Meteorology among the general public and basic academic institutions like schools, colleges, etc. As a regular activity, IMSP conducts 'Monsoon Workshop' every year. However, AMW 2021 is to be organized this year with SPPU joining hands with IMSP. The behavior and unique features of the monsoon season are discussed thoroughly during the Annual Monsoon workshop. The workshop provides meteorologists working in the operational services and research, an opportunity to present various features of the monsoon in their varied point of view. In addition, weather scientists share their views & knowledge on the changing trends in the monsoon activity and its implications on various issues related to climate change. Behaviour & unique features of SW and NE monsoons of 2021 will be discussed thoroughly in AMW 2021.

❖ About the National Symposium on "Changing climate and extreme events: impacts, mitigation & Role of Oceans":

Climate change

Warming since the 1950s has already contributed to a significant increase in weather and climate extremes globally (e.g., heat waves, droughts, heavy precipitation, and severe cyclones), changes in precipitation and wind patterns (including shifts and modulations in the global monsoon systems), warming and acidification of the global oceans, melting of sea ice and glaciers, rising sea levels, and changes in marine and terrestrial ecosystems.

Long-term rainfall records over India indicate that Indian summer monsoon has become more extreme in the recent years. Intense short period rainfall causing floods and excessive dry spells leading to droughts have risen markedly. Some of the extreme precipitation events in this decade have caused very devastating floods and landslides, which terribly affected human life, agricultural operations, infrastructure and transportation. Notable among them are the Uttarakhand floods in 2013, Kerala floods in 2018 and Maharashtra floods in 2019. In the year 2019, floods were experienced by Maharashtra, Madhya Pradesh, Bihar, Uttar Pradesh, Uttarakhand, Meghalaya, Assam, West Bengal, Kerala, Gujarat, Karnataka and many other states of the country (even in Rajasthan). Severe flood situation prevailed in Maharashtra, especially over Sangli, Kolhapur area (for the period 4- 10 August 2019), Mumbai, Pune, etc. Mumbai has experienced floods in 2005, 2017, 2019 & 2020. Monsoons of 2019 & 2020 produced a large number of extreme rainfall events, making the seasonal total much higher than expected and also extending in time at various spatial scales within the country.

Analyses have revealed that monsoon variability has amplified in the recent decades, with weakening of the moderate rainfall and a simultaneous rise in the magnitude and frequency of extreme rainfall events. Climate models predict that there is an increasing tendency in the frequency of extreme events (dry & wet) over India in the warming world.

Some of the important questions to answer are: How will the frequency of extreme events change in the future? Where and when they will occur? How far the global warming is responsible for the extremes? etc.

Numerical models are crucial to improve the predictability of monsoon in general, as well as that of the occurrence of extreme rainfall events. Substantial research activities have taken place in the recent decades on these aspects, in terms of both observational and numerical modeling efforts. Nevertheless, the problems are getting more complicated in the warming world, with every monsoon season offering new challenges. The national symposium will provide an ideal platform to present and discuss recent findings on the monsoon clouds and extreme precipitation from observational as well as numerical modeling studies, especially flooding events in different parts of the country during recent years.

❖ Invited Talks will be delivered by keynote speakers and experts in the following themes

Theme-1: Climate change, its impacts and mitigations

Theme-2: Extreme weather events and prediction

Theme-3: Air-Sea Interaction

Theme-4: Indian Monsoons

Theme-5: Role of Oceans on changing Climate

Participants are requested to submit their abstracts of **Maximum 350 words as .doc/.docx file only by uploading and filling in this google form**

Link:
<https://forms.gle/7ApQzFcuwThFnrbA>

For those who wish to attend without abstract may drop a email request; any other queries please write to punechapterims@gmail.com with the subject line "AMW 2021".

❖ Call for contributions & participation

Students/ Young researchers/ Scientists are encouraged to submit their original contributions (abstracts) on the following themes (latest by 04 January 2022). Interested researchers/scholars should register online before 04 January 2022, for attending AMW 2021 and the national E-symposium. Alternatively, people can register for attending only the National E-symposium. For this please write to punechapterims@gmail.com with the subject line as "For Attending Only: AMW 2021".

❖ Prizes:

- **Cash prizes for the best three papers under each themewill be awarded for oral as well as poster presentations (only for young researchers and students below 35 years).**
- **Participation certificate only for those whose abstracts are accepted and also attend the symposium.**

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