



सत्यमेव जयते

पृथ्वी विज्ञान मंत्रालय
MINISTRY OF EARTH SCIENCES

शोध पत्रों का प्रकाशन
**Publications of Research Papers
2020**

पृथ्वी विज्ञान मंत्रालय
Ministry of Earth Sciences

भारत सरकार

Government of India

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The Ministry of Earth Sciences (MoES), Government of India, is mandated to provide services for weather, climate, ocean and coastal state, hydrology, seismology, and natural hazards; to explore and harness marine living and non-living resources in a sustainable manner for the country and to explore the Arctic, Antarctic and the Himalayas. The MoES implements the various programs through the following schemes:

Scheme Name	Abbreviation
ACROSS	Atmospheric, Climate Science and Services
O-SMART	Ocean - Services, Modelling, Application, Resources and Technology
PACER	Polar Science and Cryosphere Research
SAGE	Seismology and Geosciences
REACHOUT	Research, Education, Training and Outreach
DOM	Deep Ocean Mission

The MoES is network of the following institutes:

Abbreviation	Institute Name	Location	Website
Subordinate Offices			
IMD	India Meteorological Department	New Delhi	https://mausam.imd.gov.in/
NCMRWF	National Centre for Medium Range Weather Forecasting	Noida, Uttar Pradesh	https://www.ncmrwf.gov.in/
Attached Offices			
CMLRE	Centre for Marine Living Resources & Ecology	Kochi, Kerala	https://www.cmlre.gov.in/
NCS	National Center for Seismology	New Delhi	https://seismo.gov.in/
NCCR	National Centre for Coastal Research	Chennai, Tamil Nadu	https://www.nccr.gov.in/
Autonomous			
NCPOR	National Centre for Polar and Ocean Research	Goa	https://ncpor.res.in/
INCOIS	Indian National Centre for Ocean Information Services	Hyderabad, Telangana	https://incois.gov.in/
IITM	Indian Institute of Tropical Meteorology	Pune, Maharashtra	https://www.tropmet.res.in/
NIOT	National Institute of Ocean Technology	Chennai, Tamil Nadu	https://www.niot.res.in/
NCESS	National Centre for Earth Science Studies	Thiruvananthapuram, Kerala	https://www.ncess.gov.in/

Note: The Ministry of Earth Sciences uploads year-wise publications on its website at www.moes.gov.in/publication which is a curated list of publications and journal titles. The publications enlisted in this document are already available individually in the public domain. These have been published after a rigorous international peer review process by domain experts. The primary objective of uploading a summarised year-wise list of publications is to provide the public and scholars with a ready summary list of academic journals that may offer valuable and credible sources for their research and reference

MoES Publications 2020

	ACROSS	OSMART	PACER	SAGE	TOTAL
Total no. of Publications	216	147	91	46	500

ACROSS

(IITM+ IMD+ NCMRWF)

1. Acharja P., Ali K., Trivedi D.K., Safai P.D., Ghude S., Prabhakaran Thara, Rajeevan M., 2020, Characterization of atmospheric trace gases and water soluble inorganic chemical ions of PM1 and PM2.5 at Indira Gandhi International Airport, New Delhi during 2017-18 winter, **Science of the Total Environment**, 729:138800, DOI:10.1016/j.scitotenv.2020.138800, 1-13
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12. Attri S.D., Kumar Sudheer, Chattopadhyay N., Tiwari S., Kashyap A., 2020, The study of frost occurrence and risk analysis in Indo-Gangetic Plains of India during recent decades, **Mausam**, 71, 1, 95-102.
13. Baburaj P.P., Abhilash S., Mohankumar K., Sahai A.K., 2020, On the Epochal Variability in the Frequency of Cyclones during the Pre-Onset and Onset Phases of the Monsoon over the North Indian Ocean, **Advances in Atmospheric Sciences**, 37, DOI:10.1007/s00376-020-9070-5, 634–651
14. Bandgar A., Prabhu P., Sreejith O.P., Pai D.S., 2020, An analysis of monthly rainfall and the meteorological conditions associated with the deficient rainfall towards the end of 2017 southwest monsoon season, **Mausam**, 71, 3, 391-404.
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16. Bankar R.M., Patil R.M., Nimbalkar R., Pardessi R., Pandit A., Pawar S.D., 2020, Aircraft mounted field mill for meteorological applications, **Journal of Indian Geophysical Union**, 24, 78-90
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