



FROM THE PRESIDENT'S DESK

Dear Readers,

I have great pleasure in presenting you the current issue of VayuMandal [Vol. 48, No. 1 (Jan-June), 2022], a bulletin of the Indian Meteorological Society (IMS). Considering the ongoing climate change and the associated increase in the frequency and intensity of extreme weather and climate events, advances in meteorological research and services can significantly contribute to the development of early warning systems to enable preventive measures to minimize the risk of loss of life, livelihoods and property. I am very happy to note that this issue of VayuMandal features articles on contemporary topics ranging from review of the role of El Niño/Southern Oscillation (ENSO) and Indian Ocean Dipole (IOD) in the Indian summer monsoon variability, long-term variation of aerosol optical depth over Tibetan Plateau, to more specific studies on ice nucleation in clouds and efficient pyrotechnic cartridges as well as case studies of widespread rainfall and severe thunderstorms. Reports on extreme weather events during June-December 2021 and activities of IMS and its local chapters during April-September 2021 have also been incorporated in this issue. These articles and reports provide a good coverage of the breadth and depth of meteorological research and services undertaken by IMS members and partners.

The IMS, with the vast reservoir of knowledge and expertise in its membership, has a solemn responsibility to dedicate itself to working towards minimizing the loss of life and property of general public by pursuing improved weather and climate information in support of decision making at all levels, through multi-stakeholder engagement at the national and state levels including government departments, academia, NGOs and communities. The traditionally strong linkages of the IMS with the India Meteorological Department (IMD) make it uniquely positioned to facilitate translation of research advances into improved operational capabilities. The IMS will continue to work towards enhancing the role of VayuMandal as an important communication tool in this regard.

I take this opportunity to call upon all the students, researchers, academicians, scientists and professionals in the field to contribute high-quality papers/articles based on their latest research findings, and help us raise the profile of VayuMandal in the service of the community. I wish to place on record my gratitude to the Editorial Committee for their painstaking efforts in bringing out this issue of VayuMandal. I am thankful to all those who have contributed their research papers/articles and grateful to the distinguished reviewers for carrying out review process for quality enhancement.

I look forward to your continued active and cooperative support in maintaining the core activities of the Society in spite of the prolonged disruptions due to COVID-19 over the last couple of years.

June, 2022

**Rupa Kumar Kolli
President, IMS**