

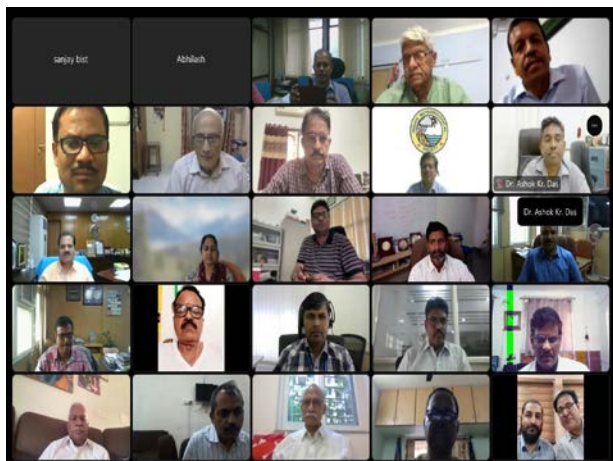
## A Report from Indian Meteorological Society and its Local Chapters (April 2022 to September 2022)

### 1. AGB Meeting

The Annual General Body meeting of IMS was held on 26th April 2022 at 1600 hrs IST in the virtual mode. The President IMS Dr. Mrutyunjay Mohapatra gave his opening remarks which were followed by the presentation of Activity Report by the Secretary of IMS Dr. D. R. Pattanaik. The Financial Statement (Provisional) was given by the Treasurer IMS Dr. Ananda Kumar Das.

IMS Chapters such as Chandigarh, Dehradun and Nagpur presented their respective reports. The election results for IMS NC (2022-2024) were declared by the Returning Officer Mr. N. Nigam.

The ceremony of handing over of the charge to the new IMS NC was performed after that. Finally, vote of thanks was proposed.



Following are the new office bearers of IMS NC for 2022-2024:

**President:** Dr. Rupa Kumar Kolli  
Email: rkolli.wmo@gmail.com

**Immediate Past President:** Dr. M. Mohapatra  
Email: mohapatraimd@gmail.com

**Vice- Presidents:** Dr. D. R. Pattanaik  
Email: drpattanaik@gmail.com

Dr. N. Subash, Email: nsubashpdfsr@gmail.com

**Secretary:** Dr. R. K. Giri  
Email: rk.giriccs@gmail.com

**Joint Secretary:** Dr. Ananda Kumar Das  
Email: akuda.imd@gmail.com

**Treasurer:** Dr. Sankar Nath  
Email: saulnov07@gmail.com

### Council Members:

Prof. P. V. S. Raju	Dr. Vijay Kumar Soni
Mr. Sikandar M. Jamadar	Mr. Sanjay Bist
Ms. Samanti Sarkar	Dr. Pankaj Kumar
Dr. Rajib Chattopadhyay	Mr. Sunny Chug

### 2. IMS-IMD Azadi ka Amrit Mahotsav Lecture Series

To commemorate the 75th anniversary of Independence of India, our country is currently celebrating Azadi ka Amrit Mahotsav. This celebration will continue till 15<sup>th</sup> August 2023 and it is an intensive countrywide campaign to visualise and inform citizens about the cultural, social, political and economic progress of our country during the past 75 years. IMS is also participating in this Mahotsav by showcasing its commitment to disseminate knowledge of meteorology and allied sciences and its application to various constructive human activities, such as, agriculture and land uses, irrigation and power development, navigation of sea and air, engineering and technology, medicine and public health etc., among the scientific workers, public and policy makers.

IMS is celebrating this Mahotsav by organising a series of popular lectures and discussions to foster and encourage communication and exchange of knowledge, ideas, resources for adapting climate variability and change, climate risk management, disaster risk reduction, detection and attribution of extreme events, severe weather forecasting and improvement of prediction models for various application in climate-based services and support; and improvement of observations, data management and infrastructure during the last 75 years. This lecture series will provide an opportunity to know about the availability of data and products to scientists engaged in impact studies in various sectors viz., agriculture, human health,

water availability and environmental sciences and those who are eager to use climate data in order to examine the present and future relationships of important parameters in their sectors with the climatic variables.

(i) The fourth talk of the series was delivered by Dr. Ajit Tyagi on 11 July 2022 entitled 'Role of Meteorological Societies'.

(ii) The fifth talk of the series was delivered by Prof. A. P. Dimri on 09 Sep 2022 entitled 'Himalayan Weather'.

(iii) The Sixth talk of the series was delivered by Dr. K. J. Ramesh on 27 Sep 2022 entitled 'Role of MoES in monitoring and forecasting of environmental pollution'.

### **3. International Symposium on Lightning Resilience**

An International Symposium was organized on Lightning Resilience on 16 June 2022 at Vrishti Sabhagar, IMD Campus, New Delhi 110003. The theme of this event was "Lightning Resilience" covering Preparedness, Early warning challenges, Lightning protection systems and Emerging technologies. The Symposium was jointly Organized by Climate Resilient Observing Systems Promotion Council (CROPC), India Meteorological Department (IMD) and Indian Meteorological Society (IMS) and World Vision India.

### **4. IMS-Co-sponsored Lecture on Farming on a Warming Planet**

A lecture by Dr Navin Ramankutty on "Farming on a warming planet" was organised on 13th September at 0930AM through Video Conference. This lecture was organized as a part of the Lecture Series on Sustainability planned by the Future Earth National Committee. This particular lecture was co-sponsored by Future Earth, IMS and Divecha Centre for Climate Change. The Convenor of this lecture was Dr. M Rajeevan, MoES Distinguished Scientist, National Centre for Earth Science Studies (NCESS). Dr. Navin Ramankutty is a Professor and Canada Research Chair in Data Science for Sustainable Global Food Systems at the School of Public Policy and Global Affairs and the Institute

for Resources, Environment, and Sustainability at the University of British Columbia. He was trained originally as an engineer, but his interests shifted over the years to climate science, global ecosystem science, and land & food system science. Today his research uses global data and models to explore solutions for sustainably feeding humanity.

In his lecture he enumerated the following. Human civilizations flourished during the Holocene, a period of relatively stable climate. Sedentary agriculture allowed our numbers to skyrocket to nearly 8 billion today. But 1 in 10 people remain undernourished and our numbers are expected to rise to nearly 11 billion by 2100. At the same time, our current agricultural practices are one of the major causes of global environmental change, including climate change. Climate change, in turn, is expected to severely damage our farming system. This talk will present an overview of estimated impacts of climate change on crop production globally, and specifically for India. It will also explore ideas for making agriculture "climate smart". Our farming systems developed during a time of relatively stable climate, can we continue to farm the same way in an anticipated future with a different climate and increased extreme events?

### **5. IMS Chennai (IMCC) Chapter**

5.1 The AGB meeting was conducted on 15 May 2022 and the election results for the following new Local Chapter Executive Committee members for 2022-2024 was declared:

Chairman: Dr. T. V. Lakshmikumar

Immediate Past Chairman: Dr. R. Suresh

Secretary: R. Nallaswamy

Joint Secretary: D. Rajan Babu

Treasurer: M. Bharathiar

LC Members:

Dr. Y. E. A. Raj

Dr. K. V. Balasubramnian

Dr. B. Geetha

N. Selvam

P. Sailaja Devi

P. M. Pandian

Dr. Latha

Dr. R. Venktesan

5.2 The 1st meeting of new LC was conducted on 21st June 2022 and it deliberated on the action plans for the period. It was decided to;

(a) Arrange for a popular Scientific lecture once every 2 months.

(b) Arrange one seminar in large scale during the period of this LC.

(c) Continue publishing the News Letter Breeze with more scientific articles in English and Tamil and upload on IMSCC website. The following Editorial Board was constituted.

Editor: R.Nallaswamy

Board Members: Dr.Y.E A Raj, Dr.K V Balaubramanian and Dr.B.Geetha.

(d) To conduct LC meeting once in 6 months.

(e) To interact with NC and other Local Chapters to exchange views on IMS activities.

5.3 The 1st Popular Scientific lecture was arranged on 25th August 2022. The talk entitled "Clean Energy Resistance and Role of Meteorological data" was delivered by Dr. K. Balaraman, DG of National Institute of Wind Energy (NIWE) Chennai. The lecture was attended by Members of IMS, IMD scientists and students of 2 popular Colleges in Chennai.

The two combined issues of News Letter were also released by the Chief Guest. The same was uploaded on IMSCC website. Further, a book entitled "4th Umpire Weather and Cricket" written by Mr. E. R. Sukumar, Life member of IMS and (Rtd) Meteorologist IMD in Tamil was released by Dr.Y. E. A. Raj, Former Chairman of IMSCC and former DDGM RMC Chennai.

5.4 A Webinar was arranged on 16th Sept 2022 in connection with world Ozone day with good participation by various institutions. The talk on "Protecting Ozone Layer" was delivered by Dr. A. Jayaraman, Former Director, NARL-ISRO. IMSCC actively participated in the Webinars conducted by NC.

5.5 A write-up about the history, aims, objectives and mandate of IMS was sent to the Popular daily News Paper, The Hindu to share with the readers.

## 6. IMS Cochin (IMSCO) Chapter

6.1 Delivered popular lectures to public and media about climate change and impacts.

6.2 Conducted training programs in Geography for Higher Secondary School teachers in establishing weather stations across all Higher Secondary Schools in Kerala.

6.3 Conducted ozone day special lecture and many lecture series for students and various stake holders.

6.4 Felicitated Prof. P. V. Joseph at his residence for receiving Sir.Gilbert Walker Gold Medal from IMS.

6.5 Conducted training programs for fishermen community to familiarize various forecast products generated by different forecasting agencies.

## 7. IMS Dehradun (IMSDC) Chapter

7.1 Celebrated the World Meteorological Day on April 6, 2022.

World Meteorological Day is observed on March 23 every year to commemorate the coming into existence of the World Meteorological Organization. To commemorate this occasion, IMS-Dehradun Chapter in collaboration with Indian Institute of Remote Sensing, Dehradun, Uttaranchal University, Dehradun and VSKC Govt. P. G. College Dakpathar, Dehradun, Uttarakhand organized one day Offline workshop on the theme 'Meteorological Advancement in Climate Change Perspective' at VSKC Govt. P. G. College Dakpathar, Dehradun, Uttarakhand. Three lectures on Advancement in numerical weather prediction, Urban micro climate modeling and climatological data analysis were delivered by Dr. Rohit Thapliyal, IMD, Dr. Kshama Gupta, IIRS and Dr. Sanjeev Kimothi, Uttaranchal University respectively. The workshop was attended by more than 150 students of undergraduate and postgraduate classes.



### 7.2 Earth Day (April 22, 2022)

A popular talk on Mausam and Climate by Dr. Bikram Singh, Chairman, IMS-DC is organized at Purukul Youth development Society to celebrate the Earth day 2022. The society provides free of cost schooling to underprivileged and needy children from remote parts of Uttarakhand. A painting and on the spot quiz competitions on the theme 'Restore our Earth' for two groups (Std. 6 to 8 and Std 9-12) have also been organized as part of this event. The talk was attended by students of Class 6-11 and 8 prizes for painting competition and 20 prizes for quiz competition were distributed.



### 7.3 Election for New IMS-DC Council 2022-24 (August 23, 2022)

Dr. A. K. Mishra, Sci./ Engr SG, MASD, IIRS was appointed as Returning Officer to conduct the election of IMS-DC executive council 2022-24. Dr. N.R. Patel, Head, ASD, IIRS Dehradun was elected as Chairman and Dr. Vaibhav Garg, Scientist/Engineer 'SF' WRD, IIRS Dehradun is elected as Secretary.

## 8. IMS Kolkata (IMSK) Chapter

8.1 IMSK has organized "Azadi Ka Amrit Mahotsav" on "Weather, Climate and Climate Change" on 10.08.2022 jointly with IMD, RMC Kolkata. Students from schools, Colleges and Universities were invited and they participated in various program and competitions. Total participants were around three hundreds. List of invited guest speakers and their topics are as follows. List of Speakers and Topics on 10.08.2022 given below:

(i) Dr. Atanu Kumar Raha, IFS (Retd.), Expert Member, Ecotourism Advisory Board, Government

of West Bengal. Topic: Climate Change, Corona Pandemic and Global Response.

(ii) Dr. Rajib Maity, Associate Professor, Dept. of Civil Engineering, Indian Institute of Technology, Kharagpur. Topic: Climate Change and Water Resources: A look into precipitation extremes and hydrological modelling.

(iii) Dr. Sabuj Kumar Chaudhuri, Professor, Department of Library & Information Science, University of Calcutta, India. Topic: Climate Risk to Resilience: A Transdisciplinary Perspective.

(iv) Dr. Aditi Mukherjee, Principal Researcher, International Water Management Institute New Delhi. Topic: Climate Crisis is a Water Crisis: Making water central to climate discourse.

8.2 IMSK has organized "Azadi Ka Amrit Mahotsav" a cultural program on 15.08.2022 jointly with IMD, RMC Kolkata. Students and members performed cultural events.

8.3 IMS members demonstrated visitors on the following days

(i) 27 Nos. of undergraduate students from Chakdaha College visited on 08.07.22.

(ii) 16 Nos. of M.Sc. students of Environment and Disaster Management, Ramakrishna Mission Vivekananda Educational and Research Institute, Narendrapur (Deemed University) on 11.07.22.

(iii) 220 students of Don Bosco School, Liluah visited on 16th, 18th & 22nd August'22.

(iv) 35 Nos. of students of Hiralal Mazumdar Memorial College For Women, Department of Geography visited on 26.08.2022.



(v) 30 Block Disaster Management officers from Netaji Subhash Administrative Training Institute, Govt. of W.B paid field visit as a part of their training course on "Flood and Cyclone Risk Mitigation & Management" on 31.08.22.

### **9. IMS Pune (IMSP) Chapter**

9.1 IMSP organized Professor P. R. Pisharoty Distinguished 13th Lecture on "Climate Science, Information and Impacts in the 21st Century by Prof. V. Ramaswamy, Director, GFDL, USA on 30 April 2022 at Meghdoot Auditorium, IITM, Pune-411 008.

9.2 IMSP conducted the Annual General Meeting 2022 in online mode on 18 May 2022.

9.3 First meeting of the newly elected executive council (2022-2024) members was organized on 26th July 2022 at O/o Head, CRS, IMD, Pune under the chairmanship of Shr. K.S. Hosalikar.

9.4 IMSP published two recent online issues of Bulletin of IMSP (Apr-Jun 2022 Vol 21 (4-6), and Jul-Sep 2022 Vol 21 (7-9). Compilation and Editing by Dr. Somnath Mahapatra.

<https://www.imdpune.gov.in/imsp/Bulletins/>. IMSP thank all authors of the articles published with BIMSP.

9.5 IMSP organized two lectures on 28th September 2022 for the students of department of civil engineering, JSPM College, Pune. The details of lectures are as follows. Role of Meteorology in Air Pollution by Dr. Divya Surendran , Sc-C. and Precipitation Chemistry in India by Dr. Boragapu Raja, Proj.Sc-C

### **10. IMS Shimla (IMSShC) Chapter**

10.1 IMS Shimla Chapter prepared its Annual Balance sheet/Expenditure financial statement for the financial year 2021-2022.

10.2 Conducted two meetings dated 18.11.2022 and 21.11.2022 regarding constitution of governing body of IMS Shimla, Chapter and discussion to carry out future activities of The Chapter.

10.3 As suggested by SDMA, the conduction of one day familiarization program to officials of SDMA by IMD officials about interpretation of satellite and radar products used for forecasting as a part of activity of Shimla Chapter.