

## Report from Indian Meteorological Society and its local chapters

### New National Council

Election process for the new National Council of IMS was completed on 10<sup>th</sup> May 2016. The following National council took over on 18<sup>th</sup> May, 2016.

President	:	AVM (Dr) Ajit Tyagi
Vice Presidents	:	Dr M. Mohapatra Shri S.C. Bhan
Secretary	:	Shri Anand Kumar Sharma
Treasurer	:	Dr. D.R. Pattanaik
Joint Secretary	:	Dr V.K. Soni
Council Members	:	Dr. C.M. Kishtawal Prof. Manoj Kumar Srivastava Prof. Rajesh Kumar Mall Dr. K.K.Singh Dr. D. Rajan Dr. Nihar Ranjan Das Dr. Gajendra Kumar Dr. Naresh Kumar



### Elections in Local Chapters

All local chapters except Visakhapatanam and Gwalior completed election of their respective Executive local Councils.

### Honorary Fellows (2015)

Prof V. Ramanathan and Dr Kamal Puri were bestowed with Honorary Fellowship of the Society for the year 2015



**Prof. V. Ramanathan**



**Dr. Kamal Puri**

**Fellows (2015)**

Dr M. Rajeevan and Dr Swati Basu were conferred with IMS Fellowship.



**Dr. M. Rajeevan**



**Dr. Swati Basu**

**IMS Awards (2013-14)**

IMS Young Scientist Award (2013) for the best research paper published on “Tropical Meteorology” was awarded to Dr D. R. Pattanaik for the paper entitled, “A hybrid model based on latest version of NCEP CFS coupled model for Indian monsoon rainfall forecast” published in Atmospheric Science Letters (2014), DOI: 10.1002/asl2.513.

IMS Young Scientist Award (2014) for the best research paper published on “Tropical Meteorology” was awarded to Dr. Roxy Mathew Koll, for the paper entitled “Drying of Indian subcontinent by rapid Indian Ocean warming and a weakening land-sea thermal gradient” published in Nature Communications (2015), 6:7423, DOI: 10.1038/ncomms8423



**Dr. D. R. Pattanaik**

IMS Biennial Award (2013-2014) on “Monsoon Research” (Formerly B N Desai Award) was awarded to Dr. R.S. Maheskumar.



**Dr. Roxy Mathew Koll**

IMS Biennial Award (2013-2014) on “Modelling Study on Atmospheric and Oceanic Sciences” (Formerly A. D. Vernekar Award) was awarded to Dr. Ashish Routray.



**Dr. R.S. Maheskumar**

IMS Award (2013-2014) for best paper published on “Application of Satellite Data Meteorology and Remote Sensing” (Formerly P Krishna Rao Award) awarded to Mr M. Mahakur for the paper entitled “A High-resolution outgoing longwave radiation dataset from Kalpana-1 satellite during 2004–2012” published in Current Science (2013), Vol. 105, 1124-1133.

IMS Award (2013-2014) for best paper published on Weather and Climate Services” (Formerly Bhavanarayana Award) was awarded to Dr. S. D. Kotal for the paper entitled “Development of NWP Based Objective Cyclone Prediction System (CPS) for North



**Dr. Ashish Routray**

Indian Ocean Tropical Cyclones — Evaluation of Performance” published in Tropical Cyclone Research and Review (2014), Vol. 3, 162-177. DOI 10.6057/2014TCRR03.03

IMS Award (2013-2014) for best paper published on “Atmospheric Observations and Technology (Formerly J Das Gupta Award) was awarded to Dr. Prashant Kumar for the paper entitled “Impact of Kalpana-1 Derived Land Surface Albedo on Short-range Weather Forecasting over the Indian Sub-Continent” Published in Journal of Geophysical Research – Atmospheres (2014), Vol. 119, 2764–2780, DOI: 10.1002/2013JD020534.



Mr M. Mahakur



Dr. S. D. Kotal



Dr. Prashant Kumar

### Report from Pune Chapter

**Teacher’s Training Workshop :** Indian Meteorological Society, Pune Chapter (IMSP) organized the “**Teacher’s Training Workshop**” at the Varahamihira Hall, Indian Institute of Tropical Meteorology (IITM), Pune during 4-8 May, 2015. This event was sponsored by the Ministry of Earth Sciences (MoES); IITM, Pune ; S.P. Pune University and IMS, Pune Chapter. Eminent scientists in IMD and IITM and professors in S. P. Pune

University presented their talks on various fields of meteorology and hydrology. The total of 36 teachers who teaches science, geography and environments science subjects in schools and colleges to the students in IXth, Xth, XIth and XIIth classes participated in the workshop who came from various schools and colleges in and around Pune area. Apart from in house presentations, visit to IMD observatories at Pune and IITM observatory at Mahabaleshwar were also arranged for the participants.



Inauguration of Journalist Workshop on 8<sup>th</sup> October, 2015

**Annual Monsoon Workshop :** From 1994, the Indian Meteorological Society, Pune Chapter (IMSP) has a tradition of organising one day “Workshop on the performance of Monsoon over India” at the end of the season at Pune arranged on local scale. But from 2013, with the active support of MoES, ISRO, DST, IITM, IMD and CDAC, IMS Pune Chapter is organising the workshop on Monsoon on national scale. In which the experts and eminent scientists from various research institutes and departments deliver the invited talks and the students from various research institutes and universities are invited to deliver their

presentations in the field of Meteorology and Hydrology. In this series, “Annual Monsoon-2015 Workshop and the National Symposium on “Understanding and Forecasting the Monsoon Extremes”, held at IITM, Pune during 23-24 February, 2016. The event included 2 special lectures, 26 Key note lectures, 20 contributed oral presentations and 46 poster presentations. About 80 students participated and presented their papers in this workshop and national symposium. There was audience of 400+ of scientists, researchers, scholars, faculty members, life members of IMS and students in the workshop.



**Prof. P.R. Pisharoty distinguished lecture Series :** Under the “Prof. P.R. Pisharoty distinguished lecture Series”, an eminent scientist by renowned scientist (& expert in tropical organized convection) **Dr. Mitchell W. Moncrieff** of Climate & Global Dynamics

Laboratory, NCAR, USA on the topic “**Organized convection in a new era for Global models**”. He described Meso-scale convective systems (MCS), as a major provider of tropical rainfall in detail and discussed many aspects in relation to monsoon

**"Professor P. R. Pisharoty  
Distinguished Lecture Series"**



**List of Eminent Speakers**

Lecture No.	Name of the Speaker / Title of the lecture	Year
1	<b>Prof. Jagadish Shukla</b> "Climate Change: Science and Politics"	2010
2	<b>Prof. Mike Wallace</b> "Climate Change: Science and Politics"	2010
3	<b>Dr. Raghu Murtugudde</b> "Earth, Life and Sustainability"	2011
4	<b>Dr. Kamal Puri</b> "Modelling Weather and Climate – current status and further directions"	2011
5	<b>Dr. Toshio Yamagata</b> "Using Cutting Edge Science to Understand Climate Variation and its Impact on Society"	2012
6	<b>Prof. Sir Brian Hoskins</b> "The potential for Skill across the range of the Seamless-Weather Climate Prediction Problem – a Stimulus for our Science"	2013
7	<b>Dr. Madhav Gadgil</b> "Climate change: A socio – ecological perspective"	2015
8	<b>Dr. Mitchell W. Moncrieff</b> "Organized convection in a new era for Global models"	2016
9	<b>Prof. C.K. Shum</b> "Improved estimates of 20th and early 21st century global sea-level rise"	2016

**Other Events:**

1. Visits of students in Pune municipal Schools to IMD observatories were organized by IMS Pune chapter in July, September, December and January.
2. Special visit of amateur scientist, students and general public in collaboration with "Citizen Scientist" an NGO in Pune was

arranged to visit the IMD observatories at Shivajinagar and Pashan offices during January, 2016 for 3 days. About 50+ persons/ students took part in the visit daily for three days.

3. IMS EC members took part as volunteers in the National Science Day 2016 and WMO day 2016 in the exhibitions held at IMD, IITM and

CDAC Pune. More than 2000+ students and general public visited the exhibitions.

### **IMS Ahmedabad Chapter**

A meteorological awareness program, *Met-Aware-2016*, aimed to create public awareness towards different aspects of weather and climate was held on July 16, 2016 at Anand and Vallabh Vidyanagar by **IMS Ahmedabad Chapter**. The program had three parts: (i) Two popular lectures followed by an ‘Open House’, (ii) Weather Observatory and Museum visit at AAU, and (iii) Educational visit to Amul Dairy.

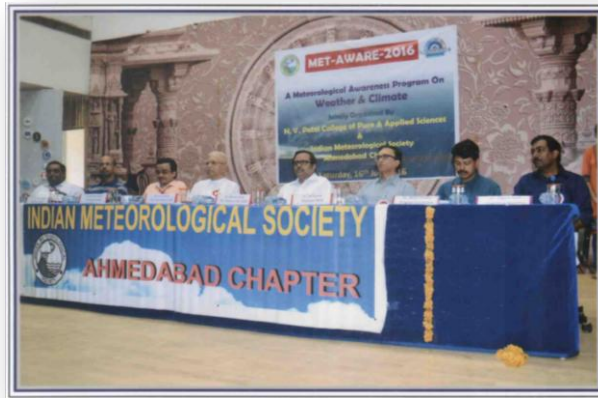
#### **(1) Two popular lectures followed by an ‘Open House’-**

First part of the program i.e. a Scientists-Students interactive session along with 2 lectures by experts in the field of weather/climate/satellite meteorology was arranged at G.H. Patel College of Engineering & Technology (GCET) auditorium and co-organized with NV Patel College of Pure & Applied Sciences (NVPAS), Sardar Patel University (SPU), VV. This event was attended by around 340 participants including students and faculty members from SPU. Two popular lectures full of information on general meteorology and satellite meteorology were delivered by Dr. C. M. Kishtawal, Group Director (AOSG), SAC and Dr. Manorama Mohanty, Senior Meteorologist, IMD

Ahmedabad. The most vibrant and interactive session of the event i.e. “Open House” received huge response from the students. The Panel of Experts consisting of Shri Rajeev Jyoti, Dr. P.K. Pal, Dr. Raj Kumar, Dr. C.M. Kishtawal, Dr. Vyas Pandey, Dr. A.S. Rajawat, Dr. Manorama Mohanty, Dr. S.M. Bhandari and Dr. R.P. Singh answered the questions asked by the participants. They solved a number of thought provoking queries from diversified field raised by the students. The program was supported by Dr. Basudeb Bakshi (Principal – NVPAS), Dr. Himanshu J Trivedi (HOD, Physics department, NVPAS), and volunteered by Dr. Mehul Pandya (SAC).

#### **(2) Visit to Weather Observatory, Museum at AAU and Amul Dairy-**

The second part of the program comprised of a Visit to weather observatory and museum at Anand Agriculture University (AAU) followed by an educational visit of IMSA members and their family members to Amul Dairy (Anand). Participants saw various instruments used to collect different meteorological parameters at AAU weather observatory. Dr. Vyas Pandey, HoD (Agrometeorology, AAU) and Dr. ManojLunagaria comprehensively explained the working of the instruments and importance of the in-situ observations of the weather parameters.



### **Toward Meteorology at Student's Door Step**

The Indian Meteorological Society – Ahmedabad Chapter (IMSA) organized ‘SIMPLE-2016’ (Student Involvement in Meteorological Parameter Learning - 2016) program for students of various schools of Ahmedabad’s rural and urban areas on August

10, 2016 in collaboration with Vikram Sarabhai Space Exhibition (VSSE) and District institute for Education and Training (DIET) Ahmedabad at VSSE Auditorium. Chairman – ISRO, Shri A. S. Kiran Kumar was the Chief Guest of the program. .



Students and teachers from 44 schools from different parts of Ahmedabad district were invited. Meteorological parameter measurement Kit (MetKit) units were distributed to the participant schools where students will be involved in collection of meteorological parameters and their analysis. This Metkit will be used to collect three parameters i.e. temperature (instantaneous, minimum and maximum), relative humidity, and rainfall. Chairman ISRO interact with students and clarify different innovative questions from

students during ‘‘Open House’’ interaction session of the program. Shri TapanMisra, Director – Space Applications Centre (SAC) also addressed the students and encouraged them to involve them in science. Dr. Raj Kumar, Chairman – IMSA said that this program is the brain-child of ISRO Chairman who proposed this activity some years back. IMSA has taken this initiative to realize his vision into reality by distributing Metkit units for schools in Ahmedabad district. The activity



will be expanded to Gujarat and India in different phases.

### **IMS Kolkata Chapter**

National Seminar on “Climate Change and Extreme Weather: Assessment of Vulnerability for early Warning” was organized in Kolkata by

Indian Meteorological Society – Kolkata Chapter in collaboration with Department of Disaster Management, Govt. of West Bengal on March 5, 2016. 39 research papers were presented by scientists from different institutions.



### **IMS Delhi Chapter**

Delhi Chapter celebrated World Meteorological (WM) Day 2016 on its theme, “**Hotter, Drier, Wetter - Face The Future**” on 23<sup>rd</sup> March, 2016 at Vrishti Auditorium, IMD, New Delhi. WM day is celebrated conducting lectures on its theme followed by a Hindi Play. The 1<sup>st</sup> lecture was delivered by Shri Kamal Kishore,

Member, National Disaster Management Authority, New Delhi on theme, “**Challenges and Management of Climate Extremes**” and 2<sup>nd</sup> lecture was delivered by Hon’ble Mr Justice Naveen Kashyapi on the theme, “**Environment, Law & Society**”