



INDIAN METEOROLOGICAL SOCIETY

AHMEDABAD CHAPTER

Issue: October-December

MEGHA

2009

From President's Desk

I wish all members of IMSA and its well wishers a very Happy and Prosperous New year 2010. With the advent of New Year, IMD has decided to publish on its website the data products from INSAT-3A and Kalpana-1 generated by software system provided by Space Applications Centre. I take this opportunity to congratulate the teams from SIPA, RESA and SEDA as well as contributors from SITAA areas of Space Applications Centre on this recognition of maturity of the ISRO award winning solution provided by them. The debate on Climate Change and Global warming (cooling?) is heating up beyond expectations. I sincerely hope that the events of 2010 including the National Conference on Climate Change being organized by our sister society Indian Society of Geomatics in February 2010 will bring more clarity on the issues.

Dr. P. K. Srivastava <pradeep@sac.isro.gov.in>

Secretary's Report

In this quarter IMSA organized two main activities. IMSA organized a lecture on *Monsoon and mid-latitude interactions during droughts over India: Special focus on the 2009 monsoon* on December 21, 2009 at SAC-Bopal Campus Auditorium. This lecture was delivered by Dr. R. Krishnan, Head, Global and Climate Modeling Division, Indian Institute of Tropical Meteorology, Pune. Also IMSA organized a photography contest on the theme *Ahmedabad and its Environment*. The entries by our members Dr. R. Sarangi, Shri. Shashi Kiran Ganesan and Dr. P. K. Srivastava are commendable.

In the present quarter, IMSA in association with ISG, ISRS and INCA organized an educational excursion to Diu, Somnath and Gir forest on January 9-10, 2010. World Meteorological Day will be celebrated on March 23, 2010.

Dr.V.Sathiyamoorthy <v.sathiyamoorthy@gmail.com>

News / Events

- ◆ The United Nations Climate Change Conference took place in Copenhagen during December 7-18, 2009.
- ◆ Nepal's Cabinet met at the base of Everest on December 4, 2009 to highlight the impact of climate change on the Himalayas.
- ◆ The Ministry of Environment and Forests and ISRO plan to set up a national institute of climate and environment in Bengaluru.
- ◆ Dr. Radhakrishnan took over as Chairman ISRO, and secretary DOS.
- ◆ The cyclonic storm *Phyan* crossed Maharashtra coast on November 11, 2009. It caused loss of seven human lives. Another deep depression along Tamil Nadu coast developed into a cyclonic storm named 'Ward' on December 11, 2009 and gradually weakened after crossing north Sri Lanka coast.
- ◆ Southern tip of India witnessed an annular solar eclipse on January 15, 2010.
- ◆ 16th National Space Science Symposium will be held at Saurashtra University, Rajkot during February 24-27, 2010.
- ◆ 29th Indian Scientific Expedition to Antarctica has left to Antarctica in November 2009
- ◆ A joint International workshop on Impact of Climate Change on Agriculture was held during December 17-18, 2009 at SAC, Ahmedabad.

Max. & Min. Temperature - Ahmedabad



Source: IMD data

Monsoon Lecture by Dr. R. Krishnan

On December 21, 2009, Dr. R. Krishnan, Head, Climate & Global Modeling Division, Indian Institute of Tropical Meteorology, Pune gave a lecture on *Monsoon and mid-latitude interactions during droughts over India: Special focus on the 2009 monsoon*. This lecture was held at SAC Bopal campus. Dr. Krishnan talked about Indian summer monsoon and mid-latitude interactions during breaks. He proposed a feedback mechanism that occurs during the breaks. According to his hypothesis, these breaks involve suppressed convection, inducing Rossby waves in the mid-latitude, which in turn advects cold air from mid-latitude westerly troughs. This leads to anomalous cooling of middle and upper troposphere and decreases meridional temperature gradient over the Indian longitude that re-enforces the break monsoon condition. The proposed hypothesis requires detailed investigation for other suppressed monsoon years.

Copenhagen Climate Change Summit

The UN Climate Change Conference took place in Copenhagen during December 7-18, 2009. The conference included the 15th Conference of the Parties (COP 15) to the UN Framework Convention on Climate Change and the 5th Meeting of the Parties (COP/MOP 5) to the Kyoto Protocol. A framework for climate change mitigation beyond 2012 was to be agreed there. In this regard India has already declared that it would consider a carbon intensity cut of 20-25% by 2020, but has made it clear that it would not be forced into accepting legally binding cuts in greenhouse gas emissions.

Photo Gallery

On September 21, 2008 IMSA members and their family planted 40 neem saplings at SAC-Bopal residential area. Now they have grown up and all of them are surviving.



September 21, 2008



January 21, 2010

Superannuation



IMSA life member (LM-259) Dr. T. J. Majumdar, Head, Earth Sciences & Hydrology Division, MESG/RESA, SAC, superannuated on December 2009. Dr. Majumdar received his Ph. D. in Applied Geophysics from Indian School of Mines, Dhanbad in 1990. His fields of interest include geophysical modeling mainly satellite derived lithospheric modelling, analysis of oil field signatures, lithological mapping, disaster monitoring using satellite gravity and SAR interferometry techniques etc. Dr. Majumdar has more than 200 publications in journals and conferences. IMSA wishes Dr. Majumdar a happy and healthy retired life.

IMS National Council Election Results

The results of the newly selected office bearers of IMS National council was declared in December 2009. The New office bearers are:

Dr. L. S. Rathore	- President
Dr. R. K. Datta	- Vice President
Dr. S. D. Attri	- Vice President
Shri. D. K. Malik	- Secretary
Dr. D. R. Pattanaik	- Jt. Secretary
Shri. Virendra Singh	- Treasurer

IMSA Executive Committee (2009-2011)

Chairman	Dr. P. K. Srivastava
Vice-Chairman	Dr. Y. B. Acharya
Secretary	Dr. V. Sathiyamoorthy
Joint-secretary	Dr. Kamaljit Ray
Treasurer	Dr. Sanjib K. Deb
Members	
	Dr. Narottam Sahoo
	Dr. S. M. Bhandari
	Dr. R. P. Singh
	Shri. Munn V. Shukla
	Dr. V. K. Jain
	Dr. B. Simon
	Dr. Vyas Pandey
	Dr. Som Kumar Sharma

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