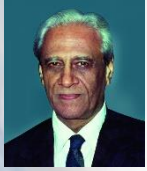**INDIAN METEOROLOGICAL SOCIETY - AHMEDABAD CHAPTER (IMSA)**

Cordially invites you all for

# 11ᵗʰ Prof. Satish Dhawan Lecture

On

## "Recent Progress in Weather and Climate Forecasts in India"

By

## Dr. M. N. Rajeevan

Secretary, Ministry of Earth Sciences (MoES)

Date: August 19, 2020

Time: 1500 – 1630 Hrs

Through: GotoMeeting

Weblink: https://global.gotomeeting.com/join/824831229

(Using your computer, tablet or smartphone)

| Dr. Raj Kumar | Dr. Abhisek Chakraborty | Mr. Sambit Panda |
|---|---|---|
| Chairman, IMSA | Secretary, IMSA | Treasurer, IMSA |

# *Tentative Agenda*

- **Welcome Remarks by Chairman – IMSA**
- **Reminiscences of Prof. Satish Dhawan Lecture Series**
- **Introduction of the Speaker**
- **Lecture by Dr. M. N. Rajeevan**
- **Brief Q&A Session**
- **Vote of Thanks**

## *Brief bio-sketch of the speaker*



Dr. Madhavan Nair Rajeevan was born on 27th July 1961. He did both his M.Sc. and Ph.D. in Physics. He has served a number of institutions. To name a few, Dr. Rajeevan was Senior Scientific Assistant in IR Astronomy Group in Tata Institute of Fundamental Research (TIFR) during December 1983 to August 1985. He served the Meteorological Centre Ahmedabad and National Climate Centre, IMD Pune. He was appointed as Senior Scientist in National Atmospheric Research Laboratory, Tirupatui in July 2008. He was appointed in MoES as Advisor in February 2012. He hold the post of Director in Indian Institute of Tropical Meteorology, Pune during March - December 2015. Since December 2015, he is holding the post of Secretary in MoES.

Dr. Rajeevan has been instrumental in developing many application tools and prediction models for societal applications like long-range prediction models, gridded climate datasets and many other climate application products for regional climate services. These models and applications tools are being extensively used by Indian Meteorological Department (IMD) for operational uses. The gridded rainfall and temperature datasets developed by Dr. Rajeevan are being used by numerous researchers around the globe. These climate quality datasets are having more than 750 citations in their credit. He has developed objective criteria for declaring monsoon onset over Kerala and monitoring the active and break spells of the Indian summer monsoon. The hybrid method, developed by him, combining dynamical and statistical models for prediction of thunderstorms and associated lightning over SHAR is being operationally used by ISRO for predictions. Apart from these, he has worked on role of land surface processes on monsoon variability, analysis of three dimensional structure of clouds, cloud-radiation interaction and cloud radiative forcing over the monsoon regions using satellite data etc.

His contributions are acknowledged through several awards. He has been awarded START Young Scientist award in 2001. MoES awarded him Young Scientist in Atmospheric Sciences in 2007. He is also recipient of 20th Biennial Mausam Award in 2001. He is a fellow of a large number of national and international societies (e.g., IASc, INSA, NASI, IIA, WMO etc.).

He has produced a good number of Ph.D. students and published more than 120 papers in peer-reviewed journals of national and international repute.