



Physical Research Laboratory, Ahmedabad

Colloquium 21_01

- Speaker:** Prof. Ravi Shankar Nanjundiah
Director, Indian Institute of Tropical Meteorology, Pune
- Title:** "Variability of Monsoons at Different Scales"
- Date and Time:** Wednesday, 06 January 2021, 16:00 – 17:00 hrs
- YouTube Link:** <https://www.youtube.com/watch?v=6prUZ3WGBj4>

Abstract

The Indian Summer Monsoon governs the pulse of this country. It is known to vary at various scales. In this talk, we will discuss the mean monsoon and its variability at various scales ranging from within the season at extremely short scales (<10 days) commonly known as the synoptic scale, the intraseasonal variability (10-60 days), and from season-to-season (commonly known as interannual variability). In addition, we will briefly discuss some global phenomena that modulate the strength of monsoon, such as the El-Nino. We will also examine if this El-Nino and Monsoon linkage fluctuates with time. Additionally, we will also examine if the strength of intraseasonal variability also fluctuates and whether anthropogenic factors also affect it. Finally, we will also examine if the monsoon has fluctuations from decade-to-decade and factors that could cause this decadal variability.

The Speaker

Prof. Ravi Shankar Nanjundiah has joined the Indian Institute of Tropical Meteorology (IITM) as the Director with effect from March 2017. Before joining IITM, he was the Chairman of the Centre for Atmospheric and Oceanic Sciences at the Indian Institute of Science (IISc), Bengaluru. Prof. Nanjundiah did M.E. (Mechanical Engineering) in 1986 and Ph.D. (Atmospheric Sciences) in 1992 from the Indian Institute of Science, Bengaluru. He started his research career as a Post-Doctoral Fellow at the Mathematics and Computer Science Division of Argonne National Laboratory, USA. His main research interest has been focused on Monsoon variability using climate models and predictability. He was the associate editor of the Journal of Earth System Sciences (published jointly by the Indian Academy of Sciences, Bangalore and Springer) from 2008 to 2014. He was a Visiting Faculty at TIFR (2019) and ICTS-TIFR (2011-2014). He had been elected as Fellow of the Indian Academy of Sciences (IAS) and India Meteorological Society (IMS) in 2018. He is a member of the Editorial Advisory Board of Dynamics and Statistics of the Climate System (a new journal being launched by Oxford University Press) since February 2016 and many other several Committees. He has more than 90 peer-reviewed publications in national and international journals. Prof. Nanjundiah has been active in human resource development. In the year 2000, he was conferred with "Sir C V Raman Young Scientist" award for Research in Earth Sciences by the Government of Karnataka.

ALL ARE WELCOME

