



Divecha Centre for Climate Change
INDIAN INSTITUTE OF SCIENCE
BANGALORE - 560012
Phone: 91-80-22933425/2075
SEMINAR NOTICE

Title: "What really drives the Indian monsoon".

Speaker: : Prof. J. Srinivasan
Distinguished Scientist
Divecha Centre for Climate Change

Date: 21/09/2021

Time: 3.00 PM - 4.30 PM

Venue: Online using MS Teams

Abstract: The Indian summer monsoon has been assumed to be driven by the contrast in surface temperature between land and ocean for more than 300 years. This paradigm is flawed because after the onset of the monsoon, there is no contrast in surface temperature between the land and the surrounding oceans. A new paradigm based on energy and moisture budget has challenged the traditional view. During the monsoon season the rainfall fluctuates on various timescales ranging from daily, weekly, intra-seasonal, interannual, decadal and centennial scales. With the advent of satellite data and complex computer models our understanding of these modes has improved dramatically.

Speaker Bio:-

Prof. J. Srinivasan obtained B.Tech from IIT, Madras, M.S. from State University of New York and Phd from Stanford University. He was a faculty at IIT, Kanpur from 1975 to 1982. He joined IISc in 1982. He was the Chairman of Centre for Atmospheric and Oceanic Sciences from 1997-2005 and Chairman, Mechanical Sciences Division from 2005-2009 at Indian Institute of Science. He established the Divecha Centre for Climate Change at Indian Institute of Science, Bangalore in 2009. He was Senior Resident Research Associate at NASA, Langley from 1993-1995. He was a lead author of the 2nd and 4th IPCC reports on Climate change and a review editor of 3rd IPCC report on Climate Change. He was the principal investigator of the Indo-French satellite mission

Megha-Tropiques which was launched in October 2011. He has published more than 125 research papers in climate and thermal sciences. He is the fellow of the Indian Academy of Sciences, Indian National Science Academy, and Indian National Academy of Engineering. He was a "J.C.Bose National Research Fellow" during 2007-2012. He received the lifetime achievement award of the Ministry of Earth Sciences in 2019. His major scientific contributions are in the area of monsoon models and climate change

ALL ARE WELCOME