



आईआईटीएम की 57वीं 'प्रो. आर. अनंतकृष्णन' वार्ता IITM's 'Prof. R. Ananthakrishnan' Colloquium (57th)



Late Prof. R. Ananthakrishnan (Ex-Director and Honorary Fellow of IITM, Pune) started his research career as a research scholar in the field of light scattering under the guidance of Nobel Laureate Prof. C.V. Raman and was awarded D.Sc. in 1937 from University of

Madras. Then he joined IMD and occupied several positions up to DDG and then he worked as Director IITM during 1968-1971. He was awarded Padmashree by President of India in 1969 and Nobel Laureate Prof. C.V. Raman Centenary Medal in 1988. He was elected as an INSA Fellow in 1961 and was also member of many learned and professional societies like (Indian Academy of Sciences, Maharashtra Academy of Sciences). He was associated with many technical committees and working groups of WMO Geneva. He was editor of reputed national and international journals in Meteorology.

Prof. R. Ananthakrishnan was deeply associated in organizing and teaching M.Sc./M.Tech. Courses in Meteorology at University of Cochin and University of Pune. Under his able guidance 12 persons were awarded Ph.D.

Research contribution of Prof. R. Ananthakrishnan covers wide range topics viz. Light Scattering and Raman Effect, Solar Physics and Meteor Astronomy and Meteorology. In the field of Meteorology he covers: Aerology, Dynamics, Thermodynamics, Monsoon Circulation, Tracks of Storms and Depressions. Atmospheric pressure and oscillations, Indian Rainfall and features associated with onset of southwest monsoon and identification of errors in upper air data. To meet defense needs he organized the publications entitled 'Climatology of Himalayas, Tibet and adjoining areas'. There are 110 national/international (research papers/technical contributions) papers to his credit and a book entitled 'An introduction to Meteorology'. This text book is found to be extremely useful to all the new comers in the field of meteorology. Prof. R. Ananthakrishnan pursued his research and guidance in atmospheric science even after his retirement as an Honorary Fellow of IITM till his last days.



Dr. Steven Dobbie
University of Leeds, UK

Title of the Talk: **"Selected recent works on dust outbreaks, flooding, and crop failures"**

Abstract: Dr Steven Dobbie's talk will be a selection of short highlights of recent works that he is involved in. The first topic is focused on the influences of North African dusty air outbreaks advected over the Atlantic Ocean and their influence on the structure of the marine atmospheric profile which is important for influencing the downwind cloud, precipitation, and hurricane development. The second topic is about ongoing research on typhoons developing in the South China Sea and leading to flooding events in Shenzhen, China. He will include about how typhoon changes have affected flooding events and the development of a warning system. The third and final topic is about the impact of climate change on crops in India, including climate impacts on crop yields and failures rates.

Date: 26th March 2024, 1130 hrs.
Venue: Varahamihira Hall, IITM