

GREAT GURUS OF AGROMETEOROLOGY IN INDIA



Dr. A. Krishnan

Dr. A. Krishnan is a renowned personality in the field of Agricultural Meteorology and Hydrometeorology. He started his carrier as Assistant Meteorologist in India Meteorological Department and shifted to Indian Council of Agricultural Research (ICAR) as Agro-climatologist at Central Arid zone Research Institute (CAZRI), Jodhpur from where he retired as Head of the Division. He has worked as National Fellow in Agricultural Meteorology and as an Emeritus Scientist of Indian Council of Agricultural Research. Dr Krishnan also served as Consultant in Agrometeorology in Drought Monitoring Cell of Government of Karnataka and in Regional Remote Sensing Centre of ISRO, Bangalore.

He has made significant contributions in various fields related to Agrometeorology and Hydrometeorology. Some of these are: Delineation of Soil Climatic zones of India and their linkages with crop productivities and detailed delineation of arid and Semi-arid zones of India; Water balance, energy balance, crop water requirements and evapo-transpiration modeling studies; Drought analyses and studies of impacts of droughts on agricultural production; Studies on Desertification; Studies on Climatic trends and fluctuations in India and special detailed analyses with respect to arid zone in Northwest India and Karnataka state; Field investigations on Water balance and Crop Weather relationships; Application of Extreme value theory to rainfall intensities and Hydro meteorological studies; Preparation of agro climatic report for Karnataka state and detailed reports on climatology, water balance and crop production in respect of Chitradurga, Raichur and Koppal districts of Karnataka state.

Dr Krishnan has published 130 research papers, 3 books, 10 Chapters in books, 20 technical monographs and many reports. A chapter on 'Weather and Crops' in "Handbook of Agriculture" published by ICAR is noteworthy. He has delivered Keynote addresses in international symposia on agricultural and hydrological aspects of droughts and remote sensing applications in agriculture. He has been a resource person in many training courses in Agricultural Meteorology organized in India.

He is recipient of various awards that include 'National Hydrology Award of India 1987' and 'Dhiru Moraiji National Award 1988 by the Fertiliser Association of India'

Dr Krishnan has been a member of several national committees viz. National Commission of Agriculture; NCST expert panel on solar and wind energy; Energy research committee of CSIR, India; Expert committee on study of climatic changes in India; ICAR expert panel on delineation of agro-ecological zones of India; Scientific committees of Department of Science and Technology; ICAR Quinquennial Review Team for CAZRI Jodhpur and for AICRP on Agrometeorology; and Scientific panel for Central Research Institute for Dryland Agriculture, Hyderabad. He is Life member of Association of Agrometeorologists. Presently, he is staying in Florida USA.