

Dr. Ram Kumar Giri



Dr. Ram Kumar Giri completed his Ph.D. from Chaudhry Charan Singh University (former Meerut University) Meerut. Before that he obtained M.Sc. & M.Phil. (Physics) from CCS University, Meerut; M. Tech (Computer Science & Engg) from Kurukshetra University, Kurukshetra and M.B.A from IGNOU, New Delhi. He has worked in various capacities in India Meteorological Department (IMD) since his joining the department in the year 1998. Currently, he is in-charge of Satellite Operations and Head of Organization Division in IMD. He is involved in many recent technological

developments in satellite meteorology. He has served as a member of Incremental Preliminary Design Review (PDR) Committee & Incremental Algorithm Theoretical Basis Definition (ATBD) Committee which lead to establishment of Multi Mission Meteorological Data Receiving and Processing System (MMDRPS) at IMD. He also contributed for successful operationalization of Rapid Scan from INSAT-3DR Imager Payload resulting in enhancing utilization of satellite data for a variety of new applications including operational weather forecasting. His contribution towards weather services for armed forces at higher altitudes in Northern sector during his association with the Snow and Avalanche Study Establishment, DRDO, Srinagar has also been of significant importance. He has also contributed to establishment and operationalization of ground based Global Navigation Satellite System (GNSS) Network in IMD for the estimation of Integrated Precipitable Water Vapour (IPWV) since inception of the programme.

He is a member of Expert Appraisal Committee for environmental appraisal of Thermal and Coal Mining projects of the Ministry of Environment, Forest and Climate Change. He is serving as a committee member/reviewer for various national and international agencies/journals. Research interests of Dr Giri include Satellite Meteorology, GNSS data applications and Weather Forecasting. He has been prolific in his scientific efforts, publishing 70 research papers in peer reviewed national & international journals, 2 Meteorological Monographs and one chapter in a book. He also has authored a book on 'Environment and Ecology'. His recent research work on satellite meteorology has received wide appreciations. He is involved in establishment of validation site for Satellite based quantitative precipitation measurements over Indian domain under International Precipitation Working Group (IPWG) of CGMS.

As Head, Organization Division, IMD, Dr Giri is steering multifarious cooperation missions of IMD with various National and International organisations in the field of Atmospheric Sciences and Operational Meteorology. Dr. Giri has been the focal point of India for all matters pertaining to the World Meteorological Organisation (WMO) during last three years. His coordination with international organisations has resulted in many new activities such as WMO Sand and Dust Storm Warning Advisory and Assessment System (SDS-WAS) Asia Node,

utilization of Copernicus Atmospheric Monitoring Service for Aerosol Forecast, Augmentation of Air Quality Forecast System in India using ENFUSER and SILAM Models; and establishment of South Asia Flash Flood Guidance System in India adding to the overall service spectrum of the Ministry of Earth Sciences.

Dr. Ram Kumar Giri is awarded the Certificate of Merit for his outstanding contributions in field of Atmospheric Sciences.