



## Dr. Anoop Kumar Mishra



Dr. Anoop Kumar Mishra is working as a Scientist D at Centre for Remote Sensing and Geoinformatics, Sathyabama University, Chennai, India. After completing M.Sc. (with honors) in Physics from University of Allahabad, he joined Space Application Centre (SAC), ISRO, Ahmedabad as a Research Scholar. During this period he developed precipitation estimation algorithms which are operational at SAC and India Meteorological Department (IMD). For his extensive work on Precipitation Estimation over Indian tropics from Satellite Remote Sensing, he was awarded a PhD degree by Gujrat University.

He was awarded Eco-Frontier Fellowship (EFF) by Environmental Ministry of Japan to pursue his postdoctoral research at Research Institute for Humanity and Nature, Kyoto under prestigious "APHRIDTE Project" lead by Dr Akiyo Yatagai in 2010. He had developed precipitation product over South Asia by merging rain-gauge and satellite observations at fine scale (0.25 degree). After that, he joined Divecha Centre for Climate Change, IISc, as a postdoctoral fellow under Prof. J. Srinivasan in 2011. He contributed in developing rainfall algorithm for Indo-French satellite "Megha-Tropiques". He developed rainfall monitoring algorithm using SAPHIR data from Megha-TROPIQUES. He was awarded fellowship from National Science Counsel to pursue his postdoc at Research Centre for Environmental Changes, Academia Sinica, Taipei. He worked there during 2012-2014 and explored changes in Precipitation extremes and cloud cover in the context of global warming. For this purpose, he used data from ISCCP (International Satellite Cloud Climatology Project), NOAA HIRS, GPCP, TRMM, IMD Rain gauge, CPC Rain gauge, ERA-Interim etc. During this period he examined risk of drought over different parts of Indian region in the context of climate change. He has published about 28 research papers in international and national peer reviewed journals having high impact factors and great number of citations. He is also working as Editor and reviewer of few International and national journals. He has been conferred with prestigious "Hind Ratan Award-2014" by NRI Welfare Association of India.

In recognition of his outstanding research contributions in the field of Earth System Science the Ministry of Earth Sciences honours Dr. Anoop Kumar Mishra with "Young Researcher Award in the field of Earth System Science" for the year 2016.