

Dr. P. Mukhopadhyay

Dr. P. Mukhopadhyay received his M. Sc. (Physics) and M. Tech (Atmospheric Science) from Calcutta University, Kolkata. Thereafter qualifying the GATE he worked as JRF/SRF in a project sponsored by Department of Ocean Development till 1993 in Calcutta University. In 1994 he joined in Indian Institute of Tropical Meteorology, Pune. He obtained his Ph. D. degree from Department of Physics, Savitribai Phule Pune University (SPPU) in 2006.

Since then he has been actively involved in research in the field of Numerical Weather Prediction, Mesoscale Modelling and issues related to cloud and convection in numerical model. He has made innovative contribution in analysing mesoscale model predictability of monsoon intraseasonal oscillation and tropical cyclones. He identified the possible role of different convective closures and moist convective processes in identifying the model bias. During his service in IITM, Pune, he was involved in various projects on Mesoscale Modelling under Department of Science and Technology (DST), Council of Scientific and Industrial Research (CSIR) and also collaborative project under DST-NSF (National Science Foundation). After the initiation of Monsoon Mission programme, he has started working on the coupled model Climate Forecast System (version 2.0) (CFSv2) and made significant contribution in terms of developing and improving the cloud, convective and radiation parameterization of the model. He has developed the Super parameterized version of the CFSv2 known as SP-CFS. The development of the model was based on observational hypothesis which have been integrated in CFSv2 to achieve the goal of an Indian version of CFSv2. During his career, he has been awarded IITM Silver Jubilee award for the best paper twice on 2002 and 2010.

He has supervised four students for Ph. D. and six students for M.Sc./M. Tech. dissertation. He has published 31 research papers in peer reviewed national/International Journals and 25 in Conference/symposium.

Dr. P. Mukhopadhyay is awarded Certificate of Merit for his outstanding contribution in the field of Atmospheric Sciences.