

Dr. G. Pandithurai



Dr. G. Pandithurai received his M.Sc. (Physics) from Alagappa University and joined IITM as senior scientific assistant in 1990. After completing his Ph.D from University of Pune, he worked as a post-doctoral fellow in Department of Meteorology, University of Maryland, USA during 1998-2000. Since then he has been holding various scientific positions at IITM and contributing to the aerosol, radiation studies using LIDAR and sun-photometric methods. He received invitation fellowship from JSPS to work as a researcher in Chiba University, Japan in 2008 on aerosol-cloud interaction studies. He has been involved in CAIPEEX and integrated ground observational campaigns. He has contributed to the understanding of aerosol radiative forcing and indirect effect on cloud microphysics using surface and aircraft observations. His major contributions include; estimates of aerosol indirect effect, dispersion in droplet size distributions in different environments, effect of dispersion in aerosol indirect effect estimates.

Currently, he is a Deputy Chief Project Scientist of Physics and Dynamics of Tropical Clouds (PDTC). In PDTC, he took a lead in establishment of High-Altitude Cloud Physics Laboratory (HACPL) at Mahabaleshwar. In HACPL, he aims to understand how aerosol physical and chemical properties affect the cloud microphysics and precipitation using long-term measurements.

He is an elected member as Vice Co-chair of International SKYNET committee, academic faculty of MoES Centre for Advanced Training (CAT) and serving as a committee member/reviewer for various national and international agencies/journals. He has guided 3 PhD students and 5 MSc/MTech students and published about 65 papers in peer-reviewed journals.

Dr. Pandithurai awarded Certificate of Merit for his outstanding contributions in the field of CAIPEEX and integrated ground observational campaigns.