



Dr Dilip Chate

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Dilip Chate is Deputy Project Director at Indian Institute of Tropical Meteorology, Pune, a member of Board of Studies (Environmental Sciences) and Adjunct Associate Professor (Atmospheric & Space Science) at SP Pune University. His research interests are in **air quality and environmental impact assessments**, tropospheric chemical processes, new particle formation, aerosol-cloud interaction, cloud and precipitation processes, atmospheric electricity and thunderstorm, numerical methods.

Dr. Chate developed parameterization schemes for Air quality and Hurricane models. He has published **72** research papers in the **refereed SCI Journals (Total Impact Factor of more than 185.71)** and **60** articles in books and proceedings. **D. M. Chate** served as post-doctoral researcher at NUI, Galway (Ireland) and was on deputations to CEH (UK), NCAR & US EPA (USA), ESRIN (Italy), UNESCO, Paris, France, **IWAQFR** (Chile) and ICIMOD (Nepal) for scientific meetings. Dr. Chate's Citations are **1181** with **i10-index** of **31** and **h-index** of **17** with UGC-API score of **1416** for publications, research projects, guidance to post-graduate and Ph. D. students

He played a major role in implementing the SAFAR project at Delhi for Commonwealth Games-2010 (<http://safar.tropmet.res.in/>). SAFAR integrate Air Quality, Monitoring Systems, Automatic Weather Stations, high resolution emission inventory, activity data and 3-D coupled atmospheric chemistry transport modeling system to facilitate current and forecasted information of **O₃, NO_x, CO, PM_{2.5}, PM₁₀, benzene, toluene and Xylene including weather parameters and UV-Index** and disseminate Air Quality Indices and weather products. SAFAR is operational at Delhi, Pune, Mumbai and Ahmadabad.