

**Name** : Francis P. A.

**Designation** : Scientist

**Division** : Information Services and Ocean Sciences Group

**Organization** : Indian National Centre for Ocean Information Services

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**Education** :

Ph.D : Indian Institute of Science (2006)

M. Sc. Engineering : Indian Institute of Science (2002)

M. Sc. (Meteorology) : Cochin University of Science and Technology (2000)

Post Graduate Dipolma  
in Computer Applications : Institute of Human Resources Development of Electronics, Govt. of  
Kerala

**Awards** :

1. Young Scientist Fellowship/Award by START international Secretariat, Washington DC (2005).
2. Prof. C. V. Kurian Endowment award (2000)

**Research Interests :**

1. Variability of Indian summer monsoon
2. Ocean General Circulation Modeling
3. Coupled processes in the tropical Indian and Pacific Oceans

**Selected Publications:**

1. Francis P. A. and Sulochana Gadgil (2010): Towards understanding the unusual behaviour of Indian monsoon in 2009. J. Earth System Sciences (*in press*)
2. P. N. Vinayachandran, P. A. Francis and S. A. Rao (2009): Indian Ocean Dipole- processes and impacts. Current trends in Science, N. Mukunda (ed). Indian Academy of Science, Bangalore.
3. P. A. Francis, Sulochana Gadgil and P. N. Vinayachandran (2007): Triggering of the positive Indian Ocean Dipole events by the severe cyclones over the Bay of Bengal, Tellus 59A. 461-475.
4. P. A. Francis and Sulocana Gadgil (2006) : Intense rainfall events over the west coast of India, Meteorology and Atmospheric Physics, DOI 10.1007/s00703-005-0167-2.
5. Sulochana Gadgil, P. N. Vinayachandran, P. A. Francis and Sidhartha Gadgil (2004): Extremes of Indian summer monsoon rainfall, ENSO and Equatorial Indian Ocean Oscillation, Geophy. Rse. Letters, VOL. 31, L12213, doi:10.1029/2004GL019733.