

List of Publications

• Peer Reviewed Journals

1. **A. Jayakumar** , J. Vialard, M. Lengaigne, C. Gnanaseelan, J. P. McCreary and B. Praveen Kumar, Processes controlling the surface temperature signature of the Madden-Julian Oscillation in the thermocline ridge of the Indian Ocean, *Clim. Dynamics*, doi: 10.1007/s00382-010-0953-5, 2010.
2. **A. Jayakumar** and C. Gnanaseelan, Anomalous intraseasonal events in the thermocline ridge region of Southern Tropical Indian Ocean and their regional impacts, *Dyn. Atm. Oceans*, Revised, 2011.
3. **A. Jayakumar** and C. Gnanaseelan, Study the mechanism of surface chlorophyll variability in the Southern tropical Indian Ocean using an OGCM, *J. Mar. Geodesy*, Under revision, 2010.
4. **A. Jayakumar**, C. Gnanaseelan and S. Rahul, Study the modulation of diurnal cycle in the MJO associated intraseasonal events in the TRIO region, *To be submitted*.
5. J. Vialard, **A. Jayakumar** , C. Gnanaseelan, M. Lengaigne, D. Sengupta and B.N. Goswami, Processes of intraseasonal sea surface temperature variability in the Northern Indian Ocean during boreal summer, *Clim. Dynamics*, Submitted, 2010.
6. C. Gnanaseelan, **A. Jayakumar** and T. P. Sabin, Mechanism of intraseasonal oceanic signature in the region off southern tip of India during boreal summer, *Int. J. Climatology*, Submitted, 2010.
7. B. H. Vaid, C. Gnanaseelan and **A. Jayakumar**, Intraseasonal signals in the daily high resolution blended Reynolds sea surface temperature product over the tropical Indian Ocean and their validation, *Int. J. Rem. Sensing*, In press, 2010.
8. A. Parekh, C. Gnanaseelan and **A. Jayakumar**, Impact of improved momentum transfer coefficients on the dynamics and thermodynamics of the north Indian Ocean, *J. Geo. Phys. Research*, 116, DOI:10.1029/2010JC006346, 2011

• Conference Proceedings

1. **A. Jayakumar** , C. Gnanaseelan and S. Rahul, Impact of Diurnal cycle in the short wave radiative Flux in the Thermocline ridge region of South Western Tropical Indian Ocean, B-P-4, IASTA, 2010

2. **A. Jayakumar** and C. Gnanaseelan, Interannual variability in intraseasonal cooling events over Seychelles-Chagos thermocline ridge region using OGCM , Proceedings of OSICON, 2009

• Papers Presented

1. **A. Jayakumar**, J. Vialard, M. Lengaigne, C. Gnanaseelan, Julian P. McCreary, B. Praveen Kumar, Processes controlling the surface temperature signature of the Madden-Julian Oscillation in the thermocline ridge of the Indian Ocean , AOGS conference, Hyderabad, (5-9) July, 2010

2. **A. Jayakumar**, C. Gnanaseelan and J. Vialard ,Understanding the process associated with the intraseasonal sea surface temperature variability in the Northern Indian Ocean during boreal summer, Workshop of modelling Monsoon intraseasonal variability, Busan, South Korea, (15-19) June, 2010.

3. **A. Jayakumar** and C. Gnanaseelan, The biological activities in the Southern Tropical Indian Ocean and its modulation by changing interannual forcing, NANSEN winter school, (8-12) February, 2010.

4. **A. Jayakumar** and C. Gnanaseelan, Understanding the impact of summer ISO in the tropical Indian ocean using OGCM and ARGO observations, First Indian ARGO users workshop , Ocean Valley, Hyderabad, (20-22) July, 2008.