

Publications

- Anilkumar N., Dash M.K., Luis A.J., Ramesh Babu V., Somayajulu Y.K., Sudhakar M., Pandey P.C. 2005 Oceanic fronts along 45°E across Antarctic Circumpolar Current during austral summer 2004. *Current Science*, 88 (10): 1669-1673.
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- Anilkumar N., Luis A.J., Somayajulu Y.K., Ramesh Babu V., Dash M.K., Pednekar S.M., Babu K.N., Sudhakar M., Pandey P.C. 2006. Fronts, Water Masses and Heat Content Variability in the Western Indian Sector of Southern Ocean during Austral Summer 2004. *Journal of Marine Systems* 63: 20-34.
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- Dessai, D. V. G., Singh, K T., Mohan, R., Nayak, G. N., Sudhakar, M. 2011 Reading source and processes from the distribution of suspended particulate matter and its selected elemental chemistry in the Southern and Indian Oceans. *Current Science*, 100 (8), 1193-1200.
- Jasmine P., Muraleedharan K.R., Madhu N.V., Ashadevi C.R, Alagarsamy R., Achuthankutty C.T., Zeena P.R., Sanjeevan V.N., Sahayak S. 2009. Hydrographic and productivity characteristics along 45° E longitude in the southwestern Indian Ocean and Southern Ocean during austral summer 2004. *Marine Ecology Progress Series*. 389: 97-116.
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- Manish Tiwari, Rahul Mohan, Thamban Meloth, Sushant S. Naik and M. Sudhakar 2011 Effect of varying frontal systems on stable oxygen and carbon isotopic compositions of modern planktic foraminifera of Southern Ocean. *Current Science*, 100(6,) 881-887
- Moorthy K.K., Sateesh S.K., Babu S.S., Saha A. 2005. Large latitudinal gradients and temporal heterogeneity in aerosol black carbon and its mass mixing ratio over southern and northern oceans observed during a trans-continental cruise experiment. *Geophysical Research Letter*. 32, L14818. doi: 10,1029/2005GL023267.
- Naveen Gandhi, R. Ramesh, A. H. Laskar, M. S. Sheshshayee, Suhas Shetye, N. Anilkumar, Shramik M. Patil and Rahul Mohan 2012 Zonal variability in productivity and nitrogen uptake rates in the southwestern Indian Ocean and Southern Ocean. *Deep Sea Research-I* 67, 32-43

- Pavithran S., Anilkumar N., Krishnan K. P., Sharon B. Noronha, Jenson V. George, Nanajkar, M., Racheal Chacko, Dessai, D. R. G. and Achuthankutty, C. T. 2012 Contrasting pattern in chlorophyll a distribution within the Polar Front of the Indian sector of Southern Ocean during austral summer 2010. *Current Science* 102(6) 899-903)
- Rahul Mohan, Mergulhao L.P., Guptha M.V.S., Rajakumar A., Thamban M., Anilkumar N., Sudhakar M., Ravindra R. 2008 Ecology of Coccolithophores in the Indian sector of the Southern Ocean. *Marine Micropaleontology*. 67: 30-45. doi:10.1016/j.marmicro.2007.08.005
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Narayana A.C., Rahul Mohan, Mishra R. 2010 A preliminary Study on Morphology and Surface Textures of Quartz Grains from Fresh Water Lakes.

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Satya Prakash, Ramesh R., Sheshshayee M.S., Rahul Mohan, Sudhakar M. 2010 Effect of iron enrichment on nitrogen assimilation by marine planktons in Southern Ocean

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Conferences / Symposiums

Anilkumar, N., Racheal Chacko, Sabu, P Sini Pavithran, Honey U.K. Pillai, Deepti Dessai, Jenson V. George and Achuthankutty, C. T. 2012 Environmental influence on biological production in the coastal and oceanic regions off Antarctica. Abstract accepted for PORSEC-2012, Kochi, India

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Anilkumar N., 2011 Participated in the workshop on impact of Climate Change on biogeochemical cycle and ecosystem in Arctic-Antarctic Polar seas at Norwegian Institute of Science and Technology, Trondheim, Norway 1st & 2nd October 2011

- Anilkumar N., 2012 Participated in the third scientific meeting of the India-Brazil-South Africa [IBSA] inter-regional alliance for Oceanography at Rio De Janeiro, Brazil: 7-9th March, 2012
- Anilkumar N., Pednekar S.M., Sudhakar M., Ravindra R. 2007. Thermohaline structure in the Antarctic Waters. Oral presentation in the Indian Science Congress, Annamalai University on 6th January 2007.
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- Bhaskar P.V. , Ravidas Naik, Sini Pavithran, Dipti Gauns Desai, Honey Pillai, Jenson V George & N Anil Kumar. Phytoplankton distribution in contrasting frontal environments: impacts on food-web dynamics in the Indian sector of Southern Ocean- Authors: Abstract accepted for AOGS 2012.
- Cavalheiro, F., Mendes, C.R.B., Garcia V.M.T., Kerr, R. Garcia, C.A.E., Dessai, D.R.G., Anilkumar, N., 2012 *Phytoplankton across the main fronts in the Indian sector of the Southern Ocean: HPLC CHEMTAX approach* Abstract accepted and presented IPY conference 22-27 April 2012 at Montreal, Canada
- Cutting R., Singh N., Tiwari A.K., Ravindra R. 2009 Particle size variation and trace metal pollution: A comprehensive study over Southern Ocean and Antarctica. National conference on “Climatic change during the quaternary; special reference to Polar Regions and Southern Ocean” at Goa during 22-23rd October 2009.
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- Denny P. Alappattu, Satheesan, K., Anilkumar, N., Racheal Chacko and Jenson V. George. 2012 *Air Sea fluxes over Indian Sector of Southern Ocean using satellite and in-situ data*. Abstracts submitted for PORSEC-2012, Kochi, India
- Divya David T, Racheal Chacko, Anilkumar, N., Sabu. P and Jenson V. George 2012 Stratification variability in the Indian sector of Southern Ocean associated with climatic events. Abstracts accepted for PORSEC-2012, Kochi, India

- Gupta P., Banerjee C., Shukla P., Bandopadhyay R. 2011 Beneficiary role of microalgae against arsenic contamination. 15th All India Congress of Cytology & Genetics (AICCG) and Fogarty International Workshop on Arsenic contamination in ground water: Health effects, molecular epidemiology, susceptibility and mitigation held during Nov 21-23, in the Dept of Botany, Magadh University Bodhgaya. (*Poster*)
- Gupta P., Shukla P., Bandopadhyay R. 2011 Isolation and media standardization for the microorganisms collected from Southern Ocean. Presented in 3rd IYSC, 2011, held on 3-5th Nov, NASC Campus, New Delhi. (*Oral*)
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- Sujatha C. H. Akhil, P. S. Deepulal, P. M., Pavithran, S. Noronha, S. B., Anilkumar N 2011 Spatial and vertical transmission pattern of pigments and their assimilation with nutrients in the Southern Ocean water mass. Paper presented in the OSICON-11, held at NIOT, Chennai during 13-15 July 2011.
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