

PEER-REVIEWED PUBLICATIONS:

28. **Tripathy, S.C.** and Jena, B. (201x): Remote sensing of phytoplankton bloom in the Southern Ocean: An overview of insights gained from iron enrichment by experimental and natural processes. *Remote Sensing of Earth Systems Sciences* [In review].
27. Venkataramana, V., **Tripathy, S.C.**, Anilkumar, N., Sarkar, A., Soares, M.A., Sabu, P., Mishra, R.K., Pillai, H.U.K. (201x): Zooplankton biomass, abundance and distribution of community structure in the frontal systems of the Indian Ocean sector of Southern Ocean, *Polar Biology* [Revised and submitted].
26. George, J.V., Anilkumar, N., Nuncio, M., Soares, M.A., Naik, R.K., **Tripathy, S.C.** (201x): Upper layer diapycnal mixing and nutrient flux in the subtropical frontal region of the Indian sector of Southern Ocean. *Journal of Marine Systems*, Vol. xx, pp. xx-xx [Resubmitted after minor revision].
25. Pillai, H.U.K., Anilkumar, N., Achuthankutty, C.T., Mendes, C.R., Sabu, P., Jayalakshmi, K.V., Asha Devi, C.R., Dessai, D., George, J.V., Pavithran, S., Hari Devi, C.K., **Tripathy, S.C.**, Menon, N.R. (2018): Planktonic food web structure at SSTF and PF in the Indian sector of Southern Ocean during austral summer 2011. *Polar Research*, Vol. xx, pp. xx-xx [Accepted].
24. **Tripathy, S.C.**, Patra, S., Vishnu Vardhan, K., Sarkar, A., Mishra, R.K., Anilkumar, N. (2018): Nitrogen uptake by phytoplankton in surface waters of the Indian sector of Southern Ocean during austral summer. *Frontiers of Earth Science*, doi: 10.1007/s11707-017-0649-9, Vol. 12(1), pp. 52-62.
23. Sukigara, C., Mino, Y., **Tripathy, S.C.**, Ishizaka, J., Matsuno, T. (2017): Impacts of the Changjiang diluted water on sinking processes of particulate organic matters in the East China Sea. *Continental Shelf Research*, doi: 10.1016/j.csr.2017.10.102, Vol. 151, pp.84-93.
22. Zhu, Y., Ishizaka, J., **Tripathy, S.C.**, Wang, S., Sukigara, C., Goes, J., Matsuno, T., Suggett, D. (2017): Relationship between light, community composition and the electron requirement for carbon fixation in natural phytoplankton. *Marine Ecology Progress Series*, doi: 10.3354/meps12310, Vol. 580, pp. 83-100.
21. Venkataramana, V., **Tripathy, S.C.**, Anilkumar, N. (2017): The occurrence of blue-pigmented *Pontella valida* Dana, 1852 (Copepoda: Calanoida: Pontellidae) in the equatorial Indian Ocean. *Journal of Crustacean Biology*, doi: 10.1093/jcobiol/rux037, Vol. 37(4), pp. 512-515.
20. **Tripathy, S.C.**, Mishra, R.K., Naik, R.K. (2017): Progress in Southern Ocean biology from the Indian Sector: half-decadal (2009-13) overview. *Proceedings of the Indian National Science Academy*, doi: 10.16943/ptinsa/2017/48962, Vol. 83(2), pp. 385-398.
19. Zhu, Y., Ishizaka, J., **Tripathy, S.C.**, Wang, S., Mino, Y., Matsuno, T., Suggett, D.J. (2016): Variation of the photosynthetic electron transfer rate and the electron requirement for daily net carbon fixation in Ariake Bay, Japan. *Journal of Oceanography*, doi: 10.1007/s10872-016-0370-4, Vol. 72(5), pp. 761-776.
18. Bhaskar, J.T., **Tripathy, S.C.**, Sabu, P., Laluraj, C.M. and Rajan, S. (2016). Variation of phytoplankton assemblages of Kongsfjorden in early autumn 2012: A microscopic and pigment ratio based

assessment. *Environmental Monitoring and Assessment*, doi: 10.1007/s10661-016-5220-8, Vol. 188(4), pp.1-13.

17. **Tripathy, S.C.**, Pavithran, S., Sabu, P., Pillai, H.U.K., Dessai, D.R.G. and Anilkumar, N. (2015). Deep chlorophyll maximum and primary productivity in the Indian Ocean sector of the Southern Ocean: Case study in the Subtropical and Polar Front during austral summer 2011. *Deep-Sea Research II*, Vol. 118, pp. 240-249.
16. Sabu, P., Anilkumar, N., George, J.V., Chacko, R., **Tripathy, S.C.** and Achuthankutty, C.T. (2014). The influence of air-sea-ice interaction on the anomalous phytoplankton bloom in the Indian Ocean sector of Antarctic Zone of the Southern Ocean during austral summer 2011. *Polar Science*, Vol. 8, pp. 370-384.
15. **Tripathy, S.C.**, Pavithran, S., Sabu, S., Naik, R.K., Noronha, S.B., Bhaskar, P.V. and Anilkumar, N. (2014). Is phytoplankton productivity in the Indian Ocean sector of Southern Ocean affected by pigment packaging effect? *Current Science*, Vol. 107(6), pp. 1019-1026.
14. Wang, S., Ishizaka, J., Yamaguchi, H., **Tripathy, S.C.**, Hayashi, M., Xu, Y., Mino, Y., Matsuno, T., Watanabe, Y. and Yoo, S. (2014): Influence of the Changjiang River on the light absorption properties of phytoplankton from the East China Sea. *Biogeosciences*, Vol. 11, pp. 1759-1773.
13. Siswanto, E., Ishizaka, J., **Tripathy, S.C.** and Miyamura, K. (2013): Detection of harmful algal blooms of *Karenia mikimotoi* using MODIS measurements: a case study of Seto-Inland Sea, Japan. *Remote Sensing of Environment*, Vol. 129, pp. 185-196.
12. **Tripathy, S.C.**, Ishizaka, J., Shibata, T., Siswanto, E. and Mino, Y. (2012): Modification of the vertically generalized production model for the turbid water of Ariake Bay, southwestern Japan. *Estuarine, Coastal and Shelf Science*, Vol. 97, pp. 66-77.
11. Shibata, T., **Tripathy, S.C.**, Ishizaka, J. (2010): Phytoplankton pigment change as a photoadaptive response to light variation caused by tidal cycle in Ariake Bay, Japan. *Journal of Oceanography*, Vol. 66, pp. 831-843.
10. **Tripathy, S.C.**, Ishizaka, J., Shibata, T., Fujiki, T., Okamura, K., Hosaka, T. and Saino, T. (2010): Assessment of carbon- and fluorescence-based primary productivity in Ariake Bay, southwestern Japan. *Estuarine, Coastal and Shelf Science*, Vol. 87, pp. 163-173.
9. Tan, C.K., Ishizaka, J., Manda, A., Siswanto, E. and **Tripathy, S.C.** (2007). Assessing post tsunami effects on ocean color at eastern Indian Ocean using MODIS Aqua satellite. *International Journal of Remote Sensing*, Vol. 28 (13, 14), pp. 3055-3069.
8. Tan, C.K., Ishizaka, J., Varis, R., Tong, P.H.S., **Tripathy, S.C.** and Siswanto, E. (2006): Oceanographic events at northern Borneo and their relationship to harmful algal blooms. *Proceedings of ISRS-PORSEC* held at Busan (October), South Korea.
7. Tong P.H.S., Lau V.K., Hoang X.B., Tan C.K., Ishizaka, J., Varis, R. and **Tripathy, S.C.** (2006): A discussion on the main reasons causing the mass mortality of corals and benthos in Condao Island during October 2005. *Proceedings of ISRS-PORSEC* held at Busan (October), South Korea.

6. Sarma, V.V., Sadhuram, Y., Sravanthi, N.A. and **Tripathy, S.C.** (2006). Role of physical processes in the distribution of chlorophyll *a* in the northwest Bay of Bengal during pre and post monsoon seasons. ***Current Science***, Vol. 91 (9), pp. 1133-1134.
5. **Tripathy, S.C.**, Kusuma kumari, B.A.V.L., Sarma, V.V. and Raman Murty T.V.R. (2006). Evaluation of trophic state and plankton abundance from the environmental parameters of Visakhapatnam harbor and near-shore waters, East coast of India. ***Asian Journal of Microbiology, Biotechnology and Environmental Science***, Vol. 7 (7), pp. 831-838.
4. Ray, A.K., **Tripathy, S.C.**, Patra, S. and Sarma, V.V. (2005). Assessment of Godavari estuarine mangrove ecosystem through trace metal studies. ***Environment International***, Vol. 32, pp. 219-223.
3. **Tripathy, S.C.**, Ray, A.K., Patra, S. and Sarma, V.V. (2005). Water quality assessment of Gautami-Godavari mangrove estuarine ecosystem of Andhra Pradesh, India during September 2001. ***Journal of Earth System Science***, Vol. 114 (2), pp. 185-190.
2. **Tripathy, S.C.** (2004). Can Bakhira Bird Sanctuary safeguard the purple moorhens? ***Current Science***, Vol. 86 (3), pp. 367-368.
1. **Tripathy, S.C.** (2004): Measurement of bio-optical parameters and their comparison with satellite derived products for the waters off Dona Paula, Goa. ***Nature, Environment and Pollution Technology***, Vol. 3 (3), pp. 287-291.