

ANNUAL REPORT ON GEOTRACES ACTIVITIES IN INDIA

April 1st, 2019 to March 31st, 2020

GEOTRACES activity is being pursued vigorously in India with new sampling and more measurements of trace elements and isotopes in the Indian Ocean with omics study. Seawater were sampled along both east and west coast of India and are currently being analysed to assess the impact of anthropogenic activity on budget of the trace elements and their fate in the coastal region.

Sampling in the Indian Ocean

- Indian ocean was sampled onboard ORV Sindhu Sadhana from the mouth of the Ganga-Brahmaputra to 30 °S and 85 °E during March to June 2021. 28 researchers participated in the 90 days cruise to collect water, sediment, biological material, aerosol and rainwater samples for TEIs study to understand the sources, sinks, internal cycling and relation with biology.

Publications

- Singh Naman Deep, Chinni Venkatesh and Singh S. K., Dissolved aluminium cycling in the northern, equatorial and subtropical gyre region of the Indian Ocean, *Geochim. Cosmochim. Acta*, 268, 160-185, 2020.

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