

Human impact on modification of biogeochemical processes in the seas around India

MoES Webinar Series

29th Live Talk

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About the Speaker

Dr. Sarma is working on human impact on biogeochemical processes in the northern Indian Ocean for past 25 years. He conducted comprehensive work in the estuaries and Indian Ocean using stable isotopes to identify sources of anthropogenic inputs. His studies revealed that anthropogenic pollutants spread up to 20 kms from coast and don't impact biodiversity beyond national jurisdiction than hitherto hypothesized.

About the Talk

India is the second largest country in the world on consumption of fertilizers in the world and there is a serious international allegation on release of the human-made chemicals (fertilizers, effluents, sewage) to the coastal regions that change the biodiversity beyond national jurisdiction and formation of dead zones. Based on the stable isotopes, the direct release of pollutant have impact up to 20 km from coast. On the other hand, deposition of atmospheric pollution seriously impact ocean ecosystem in the northern Indian Ocean.

<https://youtu.be/zbGHIL42pJA>