

Arjun Adhikari, Ph.D.

Visiting Scientist/Research Associate II

Skills

MATLAB/Python/LaTeX



Remote Sensing & GIS



Numerical Modeling



Turbulence Schemes



SeaDAS/.SNAP/QGIS



Awards

Trevor Platt
Scholar '23

**International
Ocean Colour
Coordinating
Group**

Chief Scientist

Eastern
Arabian Sea

Goa, 2017

Baja
California

**US/Mexico,
2013**

Professional Appointments

August, 2023
to present

Guest Scientist, Leibniz-Institute for Baltic Sea
Research, Warnemuende, Germany.

June - August,
2023

Visiting Scientist, Leibniz-Institute for Baltic Sea
Research, Warnemuende, Germany.

2019-present

Research Associate - II, SEOAS, Goa University, India

Education

2020 Ph.D. in Marine Science, Goa University

**Specialization: Estuarine and coastal optical and
physical oceanography**

Title: Coupling of Coastal Hydrodynamics and Bio-Optical
Color Components of a Tropical Estuarine Ecosystem

Recent Publications

Arjun Adhikari, Menon, H. B., Lotliker, A. (2023). Coupling of hydrography and bio-optical constituents in a shallow optically complex region using ten years of in-situ data. ISPRS Journal of Photogrammetry and Remote Sensing, 202(499-511). IF: 12.7

Patil, P., Arjun Adhikari, Menon, H. B. (2023). Bio-optical complexity and radiant heating rates in the coastal waters of eastern Arabian Sea. Science of The Total Environment, 884(163838H). IF: 9.8

Salim, S.N., Arjun Adhikari, Shaikh, A.A., Menon, H.B., Kiran Kumar, N.P.V., Rajeev, K. (2023). Aerosol-boundary layer dynamics and its effect on aerosol radiative forcing and atmospheric heating rate in the Indian Ocean sector of Southern Ocean. Science of The Total Environment, 858(159770H). IF: 9.8

Salim, S.N., Arjun Adhikari, Menon, H.B., Kiran Kumar, N.P.V., Rajeev, K. (2023). Thermodynamic characteristics of marine atmospheric boundary layer across frontal regions of the Indian Ocean Sector of the Southern Ocean based on three field campaigns. Atmospheric Research 286(106678). IF: 5.5

Arjun Adhikari and Menon, H.B. (2022). A Bio-optical Numerical Approach for Remote Retrieval of Total Suspended Matter from Turbid Waters. Journal of the Indian Society of Remote Sensing, 50(1773-1786). IF: 2.5

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