



Indian Ocean Biogeochemical Processes and Ecological Variability

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DESCRIPTION

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Indian Ocean Biogeochemical Processes and Ecological Variability provides a synthesis of current knowledge on Indian Ocean biogeochemistry and ecology and an introduction to new concepts and topical paradigm challenges. It also reports on the development of more extensive/frequent observational capacity being deployed in the Indian Ocean. This represents the first collection of syntheses that emphasize a basin-wide perspective, and the contributing authors include some of the most esteemed oceanographers and Indian Ocean experts in the world. The volume is derived from invited plenary talks that were presented at the initial Sustained Indian Ocean Biogeochemistry and Ecosystem Research (SIBER) workshop held at the National Institute of Oceanography (NIO) in Goa, India, in October 2006.

The volume discusses

- The overlying physical processes set by monsoonal forcing and how these control biological production and variability
- Nutrient cycling and limitation
- Pelagic carbon cycling and air-sea exchange
- Benthic biogeochemistry and ecology
- The impact of climate and human activities on biogeochemistry and ecosystems.

The readership for this book will consist of academic and governmental researchers interested in exploring how oceanographic, atmospheric, and hydrological processes combine to establish the environmental setting that supports and drives the pelagic system and which are especially relevant to understanding the complex biogeochemical and ecological interactions in the Indian Ocean.

ABOUT THE AUTHOR

Jerry D. Wiggert and Raleigh R. Hood are the authors of *Indian Ocean Biogeochemical Processes and Ecological Variability*, published by Wiley.

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