

## Special Issue

# Air-Sea Interaction and Climate Variability in the Ocean: Observations and Modeling Based on Remote Sensing Techniques

### Message from the Guest Editors

The ocean and atmosphere are a complex coupled system, with air-sea interactions occurring on multiple spatial and temporal scales. The study of large-scale sea-air interactions has made remarkable achievements in the last half century. Nowadays, an increasing amount of high-resolution ocean remote sensing data, including sea surface temperature, salinity, precipitation, winds, sea level height, seawater color, and soon-to-be-realized total currents, provide new opportunities to better understand sea-air interactions and climate variability. This Special Issue calls for innovative research results, methods and models for air-sea interactions and climate change based on remote sensing. Acceptable topics include, but are not limited to, processes, mechanisms, and drivers of regional or global sea-air interactions, model simulation and parameterization schemes, and drivers of climate change, methods and key parameters for improving climate model simulation results, etc.

### Guest Editors

Dr. Yuhong Zhang

Dr. Xiaomei Liao

Prof. Dr. Vladimir N. Kudryavtsev

### Deadline for manuscript submissions

closed (15 August 2025)



## Remote Sensing

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CiteScore 8.6



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### Message from the Editor-in-Chief

*Remote Sensing* is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

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### Editor-in-Chief

Dr. Prasad S. Thenkabail

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