

Special Issue

Remote Sensing of Variables and Mesoscale Processes Linking the Ocean and Atmosphere

Message from the Guest Editors

Recent studies have shown very strong coupling between the ocean and atmosphere on the oceanic and atmospheric mesoscale (approximately 10 to 100 km length scales). The impacts of these scales on ocean processes, weather, and climate have become a topic of wide interest. Recent observations qualitatively confirm some model expectations, but also demonstrate large departures between models and satellite observations. Interactions between winds and currents also influence the generation of ocean eddies (reducing the ocean's eddy kinetic energy) and influence the latitudinal envelope of western boundary current extensions that moves across the mid-latitude oceans. These currents supply heat to storms, as well as heat and moisture to countries down wind of these currents. The air-sea exchange and storage of gases is also modified by several of these processes, as is the carbon cycle through changes in primary productivity. Papers on all aspects of these interactions and possible satellite connections between observations and modeling are welcome.

Guest Editors

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Dr. Carol Anne Clayson

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Deadline for manuscript submissions

closed (31 March 2024)



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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.

Editor-in-Chief

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