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Remote Sensing of Ocean and Sea Ice Dynamics in the Arctic and Antarctic Oceans

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Deadline for manuscript
submissions:

closed (31 May 2022)

Message from the Guest Editors

Dear Colleagues,

Remote sensing studies are especially important in the poorly sampled Arctic and Antarctic region due to their remoteness and extreme weather conditions. In this Special Issue, we encourage submissions focusing on remote sensing of ocean and sea ice dynamics in the Arctic and Antarctic oceans, including, but not limited to:

- Ocean circulation, currents, and waves;
- Sea ice dynamics and ice cover variability on different spatial and temporal scales;
- Sub-mesoscale and mesoscale dynamic processes, including eddies, internal waves, fronts and filaments;
- Coastal erosion, coastal upwelling, and other marine processes in the coastal and shelf areas;
- Variations of sea level and the large-scale water balance;
- Spreading of river plumes and large-scale freshwater transport in the Arctic Ocean;
- Impact of dynamic processes on biological characteristics and mixing properties of the Arctic and Antarctic oceans;
- Atmosphere–ice–ocean interaction processes.



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Special Issue



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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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