Special Issue

Remote Sensing of Changing Arctic Sea Ice

Message from the Guest Editors

The Arctic Ocean is undergoing a continuous, rapid transformation into a seasonal ice cover, which demands a new understanding of the physics and processes of this new Arctic. We see an explosion of remotely sensed data generated from ground-based instruments and airborne and satellite sensors. Such data sets and methods are vital to enhance our understanding of the sea ice dynamic and thermodynamic processes and consequent effects on the biogeochemical properties and air–sea interactions in the Arctic marine environment. This Special Issue invites original studies on all aspects of Arctic sea ice remote sensing, especially those involving emerging data sets and innovative methods. In what has recently been referred to as a new golden era for polar remote sensing following the successes of CryoSat-2 (celebrating its 10th anniversary), other radar altimetry missions, and the recent launch of ICESat-2, we encourage submissions highlighting key results from these missions. We also welcome contributions from all polar monitoring satellites including from Small and CubeSat constellations, as well as future mission concepts.

Guest Editors

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Deadline for manuscript submissions

closed (31 October 2022)

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/73335

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Message from the Editorial Board

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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