



Remote Sensing of Polar Sea Ice

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Message from the Guest Editors

The Special Issue aims at addressing those and more relevant questions. It is intended to show how advanced spaceborne remote sensing tools can be used to improve monitoring polar sea ice during the past few decades, with particular focus on showing seasonal and regional variabilities. Modelling sea ice to demonstrate the future of the ice cover is another objective. Articles may address, but not limited to, the following topics:

- Recent improvement of sea ice parameters retrieval using remote sensing;
- Monitoring sea ice in different regimes such as marginal ice zones;
- Assimilation of remote sensing data in numerical simulations;
- Snow on sea ice;
- Sea ice dynamics in relation to climate change in the Arctic;
- Machine learning applications to remote sensing data of polar sea ice;
- Impacts of change of Arctic sea ice on Arctic and midlatitude environment;
- Role of meteorological and oceanic factors on the sea ice cover;
- Geophysical processes of polar sea ice;
- Differences of impacts of climate change on the two polar sea ice covers;
- Role of ice shelves and icebergs on Antarctic sea ice.





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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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