



Polar Sea Ice: Detection, Monitoring and Modeling

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Deadline for manuscript
submissions:

closed (30 June 2021)

Message from the Guest Editors

This Special Issue invites authors to contribute original research submissions on the past record and current status of sea ice in both polar regions as well as short and long-term ice forecasting through modeling. All submissions should employ remote sensing observations and may be supported by auxiliary data from ground or ship-board measurements. The themes for the submission cover a range of relevant aspects including, but not limited to:

- Retrieval of sea ice parameters (concentration, type, thickness)
- Monitoring and modeling of snow on sea ice
- Potential use of new satellite sensors and combination of sensors for sea ice monitoring
- Assimilation of remote sensing data in sea ice modeling (dynamic and thermodynamic)
- Role of atmospheric systems in changing sea ice
- Impacts of icebergs and ice shelves on Antarctic sea ice
- Geophysical processes within ocean-ice-atmosphere system
- Impacts of changes in Arctic sea ice on marine operations





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Message from the Editor-in-Chief

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