



Polar Sea Ice: Detection, Monitoring and Modeling

Guest Editors:

Dr. Mohammed Shokr

Environment and Climate
Change Canada, Meteorological
Research Division, Toronto, ON,
Canada

Dr. Yufang Ye

School of Geospatial Engineering
and Science, Sun Yat-sen
University, Guangzhou, China

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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Editor-in-Chief

Dr. Prasad S. Thenkabail

Senior Scientist (ST), U. S.
Geological Survey (USGS), USGS
Western Geographic Science
Center (WGSC), 2255, N. Gemini
Dr., Flagstaff, AZ 86001, USA

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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Contact Us

Remote Sensing Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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