



Monitoring Sea Ice Loss with Remote Sensing Techniques

Guest Editors:

Prof. Dr. Kohei Cho

Research & Information Center,
Tokai University, Tokyo 108-8619,
Japan

Dr. Josefino Comiso

Cryospheric Sciences Laboratory,
NASA Goddard Space Flight
Center, Greenbelt, MD 20771, USA

Deadline for manuscript
submissions:

15 February 2025

Message from the Guest Editors

Dear Colleagues,

Time series of microwave observations from space since the late 1970s have revealed a drastic reduction in the Arctic perennial ice cover, which is now recognized as an indicator of global warming in the IPCC reports. Continued monitoring of changes in the global sea ice cover from space is important because of the expected impacts on the rest of the cryosphere and other regions.

The aim of this special Issue is to focus on techniques for monitoring sea ice extent and thickness using various sensors onboard Earth observation satellites. The sensors could include, but are not limited to, optical sensors, passive microwave sensors, SAR, and Lidar. The articles of this Special Issue are expected to be of interest not only to the readers of the journal, but also to scientists who are involved in using remote sensing data in the study of climate and associated environmental changes.





an Open Access Journal by MDPI

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, PubAg, GeoRef, Astrophysics Data System, Inspec, dblp, and other databases.

Journal Rank: JCR - Q1 (Geosciences, Multidisciplinary) / CiteScore - Q1 (General Earth and Planetary Sciences)

Contact Us

Remote Sensing Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/remotesensing
remotesensing@mdpi.com
[X@RemoteSens_MDPI](https://twitter.com/RemoteSens_MDPI)