

Special Issue

Radar Signal Processing and Imaging for Ocean Remote Sensing (Second Edition)

Message from the Guest Editors

This Special Issue is focused on the latest developments in radar signal processing and imaging for ocean remote sensing. We encourage submissions on the theory and modeling of ocean microwave scattering and radar signal processing, as well as field and laboratory experiments, including but not limited to the following topics:

- Design and investigation of radar signal processing and imaging algorithms for ocean remote sensing;
- Radar remote sensing of sea surface winds, waves, currents, sea ice, internal waves, oil spills; and other features;
- Radar remote sensing detections or recognitions of hard targets (ships, oil rigs, etc.);
- Radar remote sensing image segmentation and classification in coastal environments;
- Innovative or improved methods and algorithms for radar remote sensing for oceanography applications;
- Algorithms or schemes for the retrieval of key surface parameters of the lower atmosphere or the upper ocean;
- Application of artificial intelligence for pre- and post-processing remotely sensed data and signals.

Guest Editors

Prof. Dr. Xiaoqing Wang

Prof. Dr. Jinsong Chong

Dr. Yunhua Wang

Dr. Lei Liu

Prof. Dr. Yukiharu Hisaki

Deadline for manuscript submissions

closed (30 May 2025)



Remote Sensing

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 8.6



mdpi.com/si/222875

Remote Sensing
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
remotesensing@mdpi.com

[mdpi.com/journal/
remotesensing](https://mdpi.com/journal/remotesensing)





Remote Sensing

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 8.6



[mdpi.com/journal/
remotesensing](https://mdpi.com/journal/remotesensing)



About the Journal

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.

Editors-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

Prof. Dr. Dongdong Wang

Institute of Remote Sensing and Geographic Information Systems, Peking University, Beijing, China

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)