

Special Issue

Microwave Passive Remote Sensing of Sea Surface Temperature, Salinity and Wind Vector

Message from the Guest Editors

Sea surface temperature (SST), salinity (SSS), and wind vector (SSW) are extremely important geophysical parameters in the ocean–atmosphere system and play key roles in understanding climate variation, weather prediction, and air–sea interactions. Passive microwave radiometers with large wavelength and strong penetration have been applied to monitor the open ocean for several decades and provide a large amount of valuable marine environmental information data.

However, there are still challenges related to measuring these parameters with high accuracy and spatial resolution, especially in cold-water and coastal regions. This Special Issue is focused on the latest developments in passive microwave remote sensing of the sea surface temperature, salinity, and wind vector. We welcome papers exploring the areas of microwave passive sensors, theory, and models of microwave radiation in field and laboratory experiments. More details can be read on the website.

Guest Editors

Dr. Yinan Li

Dr. Xiaobin Yin

Dr. Qingxia Li

Dr. Shubo Liu

Prof. Dr. Shiyang Tang

Deadline for manuscript submissions

closed (29 December 2023)



Remote Sensing

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 8.6



mdpi.com/si/88119

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 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.

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

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)