

## Special Issue

# Observations of Atmospheric and Oceanic Processes by Remote Sensing

### Message from the Guest Editors

The aims of this Special Issue are to explore and highlight cutting-edge research on the interactions between the atmosphere and oceans, with a particular focus on how remote sensing technologies contribute to understanding these dynamic processes. By examining advancements in remote sensing instruments, data analysis, and their application to climate monitoring, weather forecasting, ocean dynamics, and disaster management, this Special Issue seeks to provide a comprehensive overview of how remote sensing aids in the study and mitigation of environmental challenges such as climate change, ocean acidification, and extreme weather events. Suggested Themes for this Special Issue:

- Remote Sensing of Ocean Dynamics and Climate Variability;
- Satellite Observations of Atmospheric Composition and Dynamics;
- Microwave Remote Sensing for Observing Ocean and Atmospheric Processes;
- Remote Sensing for Weather Forecasting and Extreme Event Prediction;
- Ocean-Atmosphere Interactions in Coastal and Marine Ecosystems;
- Electromagnetic wave propagation and scattering in complex maritime environments...

### Guest Editors

Dr. Jinpeng Zhang

Dr. Xi Zhang

Dr. Xiaofeng Zhao

Prof. Dr. Weimin Huang

### Deadline for manuscript submissions

closed (30 June 2025)



## Remote Sensing

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.1  
CiteScore 8.6



[mdpi.com/si/224961](https://mdpi.com/si/224961)

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