

## Special Issue

# Applications of Satellite Altimetry in Ocean Observation

### Message from the Guest Editors

Over the last 30 years, satellite altimetry has provided global high-accuracy sea surface height measurements, enhancing our understanding of the upper ocean circulation from the (sub-) mesoscale to larger scales. The development of novel technologies, such as SAR Doppler altimetry, interferometric altimetry and swath instruments, together with new methods of reprocessing historical data, offers unique opportunities to study ocean dynamics from satellite altimetry data. In this Special Issue, we invite high-quality scientific papers that use satellite altimetry observations to study the dynamics of the ocean. We welcome studies dealing with (i) the assessment of global and regional sea levels, (ii) surface currents and sea state at different spatiotemporal scales, (iii) multi-platform observations, (iv) the interaction between the open ocean and the coastal seas and (v) the evaluation of uncertainties related to altimetry data.

### Guest Editors

Dr. Antonio Sánchez-Román  
Dr. Bàrbara Barceló-Llull  
Dr. Juan M. Sayol

### Deadline for manuscript submissions

closed (15 February 2025)



## Remote Sensing

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.1  
CiteScore 8.6



[mdpi.com/si/160039](https://mdpi.com/si/160039)

*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 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)