

## Special Issue

# Advancement of Multi-Source Remote Sensing Data Fusion in Environmental Monitoring

### Message from the Guest Editors

This Special Issue aims at advancing innovative techniques or datasets for multi-source remote sensing data fusion, covering diverse applications that could help scientists and decision-makers to understand complex Earth system processes and to better respond to global environmental and climate change. We encourage the integration of recent deep learning techniques (large pre-trained multi-modal models, domain adaptation strategies, etc.) and large-scale applications (land-cover mapping, ecosystem monitoring, urban analysis, disaster assessment, etc.). The scope includes, but is not limited to, the following:

- Multi-source remote sensing data fusion;
- Multi-source transferable or domain adaptation models;
- Multi-modal models for remote sensing tasks;
- Land-cover mapping;
- Ecosystem monitoring;
- Urban analysis;
- Crop monitoring and yield forecasting;
- Glacier and sea ice monitoring;
- Atmospheric monitoring;
- Biodiversity and ecological conservation;
- Greenhouse gas emission monitoring;
- Vegetation dynamics and the carbon cycle.

Mr. Weihao Xuan  
*Assistant*

---

### Guest Editors

Dr. Junjue Wang  
Dr. Jiaqi Yang  
Dr. Yinhe Liu  
Dr. Zhuo Zheng  
Dr. Yonghao Xu

---

### Deadline for manuscript submissions

30 June 2026



## Remote Sensing

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.1  
CiteScore 8.6



[mdpi.com/si/220458](https://mdpi.com/si/220458)

*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)