

## Special Issue

# Multi-Source Remote Sensing for Environmental Component Monitoring and Target Detection

### Message from the Guest Editors

This Special Issue invites manuscripts introducing recent advances in “Multi-Source Remote Sensing for Environmental Component Monitoring and Target Detection”. All theoretical, numerical, and experimental papers are accepted. Topics include, but are not limited to, the following:

- New atmospheric detection technologies and methods (such as Lidar, Radar, SAR, Airborne, Satellite, Spectrometer, UAV, etc.).
- Multi-source remote sensing technology in climate change, environmental monitoring, pollution transport, ocean change, and ecosystems.
- Effects of turbulence, solar irradiance, water vapor flux, and vegetation coverage on the interaction of environment and climate.
- Novel spatiotemporal intelligence method of multi-source remote sensing data.
- Novel/optimized algorithms in multi-platform sensors (Satellite, SAR, Lidar, Sonde, Radar, UAV, etc.).
- Lidar and infrared technology in target detection, 3D imaging, and spatial localization.
- Novel single photon technology and GM-APD in target detection and remote sensing.

### Guest Editors

Dr. Tao Luo

Dr. Juhua Luo

Dr. Jianfeng Sun

Dr. Jianfeng Chen

### Deadline for manuscript submissions

30 July 2025



## Remote Sensing

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.1  
CiteScore 8.6



[mdpi.com/si/228681](https://mdpi.com/si/228681)

*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)