

## Special Issue

# Integrating Deep Learning with Image Perception for Advanced Remote Sensing Applications

### Message from the Guest Editors

Remote sensing stands as a cornerstone of modern environmental monitoring and geographical information systems. Its importance lies in its unparalleled ability to gather data over large, often inaccessible areas swiftly and repeatedly. By leveraging advanced sensors and satellite technology, remote sensing facilitates the accurate mapping of terrain, the monitoring of climate change impacts, the assessment of natural disasters, and the efficient management of agricultural resources. It enables scientists and policymakers to make informed decisions based on real-time, comprehensive datasets, fostering sustainable development and effective disaster response strategies. This technology bridges the gap between data acquisition and actionable insights, making it indispensable.

---

### Guest Editors

Dr. Xin He

Prof. Dr. Yushi Chen

Dr. Jinghui Yang

Prof. Dr. Aili Wang

---

### Deadline for manuscript submissions

28 June 2026



## Remote Sensing

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.1  
CiteScore 8.6



[mdpi.com/si/224640](https://mdpi.com/si/224640)

*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)