

Special Issue

Advanced AI Technology for Remote Sensing Analysis

Message from the Guest Editors

This Special Issue aims to investigate the application of advanced AI technologies for remote sensing analysis. We invite submissions that address various aspects of remote sensing analysis and the corresponding advanced AI technologies in remote sensing scenes. Potential topics of interest include, but are not limited to, the following:

- Multi-modality (multi-source) image fusion;
- Cross-domain adaptation or multi-domain generalization methods;
- Multi-modality remote sensing image benchmark datasets;
- Multi-modality large foundation models for remote sensing scenes;
- Visual-linguistic models for remote sensing scenes;
- Case studies and applications of multi-modality networks in remote sensing for agriculture, urban planning, forestry, climate change, etc.;
- Multi-view joint analysis of remote sensing scenes;
- Image segmentation/detection or change detection;
- Remote sensing analysis with foundation models.

Guest Editors

Dr. Guangliang Cheng

Prof. Dr. Qi Zhao

Dr. Shuchang Lyu

Dr. Hossein M. Rizeei

Deadline for manuscript submissions

31 December 2025



Remote Sensing

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 8.6



mdpi.com/si/212619

Remote Sensing
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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)