

Special Issue

New Insights in Remote Sensing Image Interpretation with Deep Learning

Message from the Guest Editors

This Special Issue aims to bring together the latest research results and explore how advanced deep learning models can be used to overcome the challenges faced by traditional methods such as semantic segmentation and change detection for complex scenes, small samples, and multi-modal data fusion. We invite original research papers on the design of novel network architectures, large-scale pre-trained models, cross-domain adaptation, and multimodal data fusion processing algorithms in order to provide new insights into remote sensing image interpretation. We welcome submissions of research articles, review papers, and case studies that contribute to the theoretical and practical advancement of this field. We also welcome the latest large foundational models that apply to remote sensing image semantic segmentation, object detection, change detection, and vector target extraction.

Guest Editors

Dr. Shiyang Pang

Dr. Mi Zhang

Dr. Huiwei Jiang

Dr. Yongyang Xu

Deadline for manuscript submissions

30 October 2025



Remote Sensing

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 8.6



mdpi.com/si/235160

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)