

Special Issue

Application of Spatial Information Science and Cartography in the Big Remotely Sensed Data Era

Message from the Guest Editors

This Special Issue aims to provide a platform for researchers, practitioners, and policymakers to share innovative approaches and case studies on applying spatial information science and cartography in the big remotely sensed data era. By gathering diverse perspectives, this Special Issue seeks to enhance spatial data utilization for better decision-making and problem-solving processes. We invite submissions focused on the following topics:

- Innovative methods for processing and analyzing big remotely sensed data;
- Advances in cartographic visualization techniques;
- Integration of spatial information science and machine learning;
- Applications in urban planning and smart cities;
- Disaster management and emergency response;
- Environmental monitoring and assessment;
- Resource management and sustainable development;
- Case studies of practical applications;
- Classification and retrieval for optical or multispectral remote sensing;
- Geological hazards monitoring and early warning;
- Multisource heterogeneous geosciences knowledge graph;
- Large language models;
- Remote sensing images and multimedia steganography;
- Super-resolution remote sensing images.

Guest Editors

Prof. Dr. Xi Chen
Prof. Dr. Mingqiang Guo
Dr. Chatzipavlis Antonis

Deadline for manuscript submissions

closed (30 March 2026)



Remote Sensing

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 8.6



mdpi.com/si/211979

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 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)