



an Open Access Journal by MDPI

## Remote Sensing Target Recognition and Detection: Theory and Applications

Guest Editors:

### Dr. Hao Li

School of Electronic Engineering,  
Key Laboratory of Collaborative  
Intelligence Systems of Ministry  
of Education, Xidian University,  
Xi'an 710071, China

### Prof. Dr. Mingyang Zhang

Key Laboratory of Collaborative  
Intelligence Systems of Ministry  
of Education, School of  
Electronic Engineering, Xidian  
University, Xi'an 710071, China

### Prof. Dr. Gonzalo Pajares Martinsanz

Department Software  
Engineering and Artificial  
Intelligence, Faculty of  
Informatics, University  
Complutense of Madrid, 28040  
Madrid, Spain

Deadline for manuscript  
submissions:

**31 October 2024**



[mdpi.com/si/188990](https://mdpi.com/si/188990)

### Message from the Guest Editors

Target recognition and detection is to search regions of interested targets in an image and determine the category and location of targets. It usually marks the image, selects the target area of interest in the image with a rectangular box, and finally creates a category label for the image target. As important steps of image processing and further analysis, improvement in target recognition and detection techniques is urgently needed to achieve higher performance in various tasks.

This Special Issue aims to gather papers include, but are not limited to, the following topics:

- Machine learning for target recognition and detection;
- Theory of multi-objective/multi-task optimization and learning;
- Change detection and classification in remote sensing;
- Remote sensing/teaching image object detection, segmentation and categorization;
- Underwater target recognition and detection;
- Ocean acoustic remote sensing;
- Radar high-speed target detection, tracking, imaging and recognition;
- Computational electromagnetics and scattering measurement theory;
- Sensor signal detection, identification and categorization

# Special Issue



an Open Access Journal by MDPI

## 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

## 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.

## 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)

## Contact Us

---

*Remote Sensing* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/remotesensing](http://mdpi.com/journal/remotesensing)  
[remotesensing@mdpi.com](mailto:remotesensing@mdpi.com)  
[X@RemoteSens\\_MDPI](https://twitter.com/RemoteSens_MDPI)