

## Special Issue

# Machine Learning for Feature Extraction and Classification in Remote Sensing Images

### Message from the Guest Editors

This Special Issue, “Machine Learning for Feature Extraction and Classification in Remote Sensing Images,” aims to focus on this cutting-edge interdisciplinary area. In recent years, machine learning—especially deep learning—has revolutionized remote sensing image analysis with its powerful end-to-end feature learning and complex pattern recognition capabilities. This Special Issue highlights innovative theories, models, and methodologies of machine learning for remote sensing image processing, with particular emphasis on breakthroughs that overcome the limitations of traditional approaches and achieve advances in accuracy, efficiency, and robustness. We invite submissions of research papers covering, but not limited to, the following topics: novel deep neural network architectures, semi-supervised and unsupervised feature learning, few-shot learning, hyperspectral and SAR image classification, complex scene object recognition, target detection, and change detection.

---

### Guest Editors

Dr. Peng Dou

Prof. Dr. Chunlin Huang

Dr. Weixiao Han

---

### Deadline for manuscript submissions

16 December 2026



## Remote Sensing

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.1  
CiteScore 8.6



[mdpi.com/si/262001](https://mdpi.com/si/262001)

*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)