

## Special Issue

# Advances in Remote Sensing and Geophysical Methods to the Earth's Surface and Shallow Subsurface Characterization

### Message from the Guest Editors

Geophysics employs a set of non-invasive and non-destructive techniques for underground investigation. Its application is diverse, whether in Geology, Environmental studies or Archaeology and Heritage prospecting. Combining geophysics with geospatial methods such as UAV-photogrammetry, LIDAR, differential GNSS, and satellite data can enhance the representation of data, thus expanding our understanding of the geophysical results in the considered space. Some methods also can provide information about the subsurface or the inner part of structures or materials.

This Special Issue of Remote Sensing intends to collect contributions that address methods and technical developments in Applied Geophysics for the identification of lithologies and structures, the characterization of soil contamination, archaeological discovery and its pathologies, the detection of natural resources, environmental changes, and the assessment of geological hazards. Furthermore, we welcome submissions that highlight technical developments and innovative data processing techniques, including the application of artificial intelligence (AI).

---

### Guest Editors

Dr. Rui Jorge Oliveira

Center for Sci-Tech Research in Earth System and Energy, Earth Remote Sensing Laboratory, Physics Department, University of Évora, 7002-554 Évora, Portugal

Dr. José Fernando Borges

Center for Sci-Tech Research in Earth System and Energy, Earth Remote Sensing Laboratory, Physics Department, University of Évora, 7002-554 Évora, Portugal

---

### Deadline for manuscript submissions

30 March 2026



## Remote Sensing

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.1  
CiteScore 8.6



[mdpi.com/si/202507](https://mdpi.com/si/202507)

*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 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)