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

Institute of Earth Sciences, Physics Department, Earth Remote Sensing Laboratory, University of Évora, 7002-554 Évora, Portugal

Dr. José Fernando Borges

Institute of Earth Sciences, University of Evora, 7000-645 Évora, Portugal

Deadline for manuscript submissions

28 May 2025

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.2
CiteScore 8.3

mdpi.com/si/202507

Remote Sensing
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
remotesensing@mdpi.com

mdpi.com/journal/remotesensing

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.2
CiteScore 8.3

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)

MDPI