

Special Issue

PRISMA Hyperspectral Remote Sensing Data for Geological Mapping and Environmental Monitoring: Applications, Challenges, Advanced Image Processing and Machine Learning Techniques

Message from the Guest Editors

PRISMA hyperspectral imagery has great potential to be utilized within a variety of applications for addressing geology and environmental issues. Despite the fact that PRISMA hyperspectral imagery has gained the scientific interest of the remote sensing communities due to geological mapping and environmental issues, it is still in the initial stages. Several advanced image processing algorithms can be implemented to extract spectral and spatial information from the PRISMA hyperspectral datasets. Nowadays, the fusion of extracted information using machine learning techniques is evolving gradually and is fundamental for unraveling numerous image processing challenges for geological and environmental mapping.

This Special Issue is focused on the recent developments in the applications of PRISMA hyperspectral imagery within geological applications and environmental monitoring. We are interested in applications, innovative solutions to challenges in image processing, the execution of advanced image processing algorithms, and machine learning for data fusion. Manuscript submissions are encouraged that focus on a broad range of related geological and environmental themes.

Guest Editors

Dr. Amin Beiranvand Pour
Prof. Dr. Hojjatollah Ranjbar
Prof. Dr. Mazlan Hashim
Prof. Dr. Basem Zoheir

Deadline for manuscript submissions



Remote Sensing

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 8.6



mdpi.com/si/167712

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)