Special Issue

Advanced Integration of Remote Sensing Techniques with AI on Geo-Environmental Hazards Detection

Message from the Guest Editors

Remote sensing techniques play a crucial role in geo-environmental hazard detection. The major remote sensing data types include optical, thermal, microwave, and laser scanning images. They are usually collected from airborne and spaceborne platforms which provide numerous valuable data for geo-hazard detection.

In recent years, emerging from traditional statistical learning methods, AI and deep-learning methods enabled us to learn from advanced representations within the dataset and perform end-to-end optimization. There is a huge potential to apply AI, deep learning, and other data science technology to extract information from remote sensing images and enhance human understanding of geo-environmental protection and geohazards prevention.

The main aim of this Research Topic is to integrate remote sensing techniques with deep learning and AI to provide more accurate detection of geo-environmental hazards. We invite researchers and experts from all over the globe to submit high-quality, original research papers or comprehensive reviews.

Guest Editors

Dr. Yusen He

Dr. Shenghua Cui

Dr. Huajin Li

Dr. Jingren Zhou

Deadline for manuscript submissions

closed (31 May 2024)

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/166397

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

mdpi.com/journal/remotesensing

MDPI

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/journal/remotesensing

MDPI

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)