Special Issue

Advanced Artificial Intelligence Algorithm for the Analysis of Remote Sensing Images

Message from the Guest Editors

In this Special Issue, we intend to compile a series of papers that merge the analysis and use of remote sensing images with AI techniques. We expect new research will address practical problems in remote sensing image applications with the help of advanced AI methods. Articles may address, but are not limited, to the following topics:

- Advanced AI architectures for image classification;
- Advanced AI-based target detection / recognition / tracking;
- Change detection for remote sensing;
- Semantic segmentation for remote sensing;
- Multi-senor data fusion / Multi-modal data analysis;
- Image super-resolution / restoration for remote sensing;
- Unsupervised / Weakly supervised learning for image processing;
- Advanced AI techniques for remote sensing application;
- New datasets for remote sensing image classification with deep learning;
- Clustering (including classic and more advanced tools, such as subspace clustering, clustering ensemble, etc.);
- Spectral unmixing adopting either linear or non-linear models, using Bayesian or non-Bayesian approaches for parameter estimation;
- Dimensionality reduction;
- Data transformations.

Guest Editors

Prof. Dr. Gangyao Kuang

Dr. Xin Su

Dr. Olga Sykioti

Deadline for manuscript submissions

closed (30 November 2022)

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/120024

Remote Sensing
Editorial Office
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 4.1
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)