Advanced Machine Learning Approaches for Analysis of Remote Sensing Images

Guest Editors:

Dr. Abdul Bais
Electronic Systems Engineering, Faculty of Engineering and Applied Science, University of Regina, Regina, SK S4S 0A2, Canada

Dr. Keshav D Singh
Agriculture and Agri-Food Canada (AAFC), Lethbridge Research Centre, 5403—1 Ave S., Lethbridge, AB, Canada

Dr. Sajid Saleem
Department of Electrical Engineering, National University of Modern Languages, Islamabad, Pakistan

Deadline for manuscript submissions:
30 June 2024

Message from the Guest Editors

The quality (spatiotemporal resolution) and quantity of remote sensing data have recently increased multiplied. Similarly, machine learning and image processing methods have also drastically improved for big data analytics. The scale and complexity of machine learning approaches and the availability of multi-source remote sensing data pose a significant challenge in the handling of big data and developing high-performance computational strategies for remote sensing applications.

This Special Issue represents the latest advances in machine learning algorithms, image processing techniques and big data integration to improve AI-based remote sensing applications. We invite authors to submit all types of manuscripts, including original research, research concepts, communications, and reviews, mainly on (but not limited to) the following topics:

- Imagery Data Analysis;
- Remote Sensing;
- Machine Learning;
- Deep Learning;
- Computer Vision;
- Exploiting Big Data;
- HPC and Predictive Analytics;
- Multi-Source/Sensor Data Fusion;
- Object Detection and Recognition;
- Image Segmentation.

mdpi.com/si/142448

Special Issue

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

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.

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*)

Contact Us