Special Issue

Artificial Intelligence and Machine Learning with Applications in Remote Sensing (Third Edition)

Message from the Guest Editors

This Special Issue of Remote Sensing aims to demonstrate state-of-the-art works in employing artificial intelligence machine learning and deep learning algorithms for effective and efficient remote sensing applications. Papers are solicited in, but not limited to, the following areas:

Hyperspectral, multispectral applications with machine learning, deep learning algorithms;
Remote sensing data processing based on artificial intelligence and machine learning;
Hyperspectral, multispectral image processing;
AI/Deep learning/Machine learning for big hyperspectral, multispectral data analysis;
Remote sensing data for disasters, weather, water and climate applications based on AI/DL/ML algorithms;
Deep learning-based transfer learning;
Feature extraction with machine learning or deep learning for remote sensing data.

Guest Editors

Dr. Ying-Nong Chen

Prof. Dr. Kuo-Chin Fan

Prof. Dr. Yang-Lang Chang

Prof. Dr. Toshifumi Moriyama

Deadline for manuscript submissions

31 January 2026

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)