Special Issue

Advanced Pattern Recognition and Image Processing Technology for Agricultural Engineering

Message from the Guest Editors

This Special Issue aims to present state-of-the-art research achievements and advances by world-class researchers contributing to the agricultural field in pattern recognition, image processing, environment perception, and sensor fusion. Review articles are also encouraged. The potential topics of this organized session include but are not limited to:

- advanced pattern recognition technology in agricultural engineering;
- image processing networks in agricultural applications;
- soil spectral data in agricultural engineering;
- multispectral image processing in agricultural engineering;
- satellite remote sensing technology in agriculture;
- neural networks applications in agriculture engineering;
- human–machine intelligent algorithm in agriculture;
- detection and location of agricultural robotics;
- near-infrared image processing in agricultural engineering;
- hyperspectral technology in crop monitoring;
- integrating perception, sensor fusion, and control in agricultural applications;
- fault detection and diagnosis in agricultural engineering.

Guest Editors

Dr. Jiehao Li

Prof. Dr. Shan Zeng

Prof. Dr. Xiwen Luo

Prof. Dr. Chenguang Yang

Dr. Jochem Verrelst

Deadline for manuscript submissions

15 November 2025

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)