Special Issue

Ground, Proximal and Remote Sensing for Precision Agriculture Applications

Message from the Guest Editors

The aim of this Special Issue is to collect papers that present innovative studies, sensors, or technologies for the improvement of PA and PF (Precision Forestry) via the use of combined Ground, Proximal and Remote sensing technologies. The integration of the above technologies in the immediate future should simplify management and promote carbon farming and agroforestry practices simultaneously. Considering the need to reduce procedural budgets and enhance the accuracy of maps, papers that use OS software and cost-effective technologies will be more than welcomed. For cost-efficient technologies data fusion can be considered by integrating different spatial, spectral, and radiometric data resolutions. The scope of this Special Issue, regarding the combination or single use of ground, proximal and remote sensing in PA and PF, includes, but is not limited to, the following:

- Soil digital mapping;
- Canopy condition assessment;
- Canopy architecture computation;
- Missing plants detection;
- Biophysical plant parameters;
- Spatio-temporal analysis;
- Geostatistics of ground sensing;
- Decision support system;
- Carbon farming

Guest Editors

Dr. Alessandro Mei

Dr. Yung-Chung Chuang

Dr. Carlos Lozano Fondón

Deadline for manuscript submissions

31 December 2025

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/201363

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

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)