

Special Issue

Remote and Proximal Sensing for Supporting the Optimization and Adaptation of Cultural Practices in Sustainable Agriculture

Message from the Guest Editors

A key concept in the much-needed agricultural transformation is the adaptation of new types of cultural practices, exploiting the technological innovations of our era. The digitization of the agricultural sector has gained momentum the last decades, exploiting technological advances such as customized machinery, Internet of Things (IoT) solutions and Artificial Intelligence (AI) workflows. Within this context, remote and proximal sensing play a pivotal role, since they provide a wealth of information that can support the necessary adaptation of cultural practices towards a more sustainable agriculture, with reduced environmental footprint and with care for human health. Various remote sensing applications provide support towards the adaptation of cultural practices: monitoring or estimating current state, predicting risks, identifying deficiencies and diseases, forecasting yield, etc. The purpose of this Special Issue is thus to collect contributions proposing innovative solutions for supporting cultural practices in all sectors of agriculture, based on remote and/or proximal sensing technologies.

Guest Editors

Dr. Dimitris Stavrakoudis

Laboratory of Forest Management and Remote Sensing, School of Forestry and Natural Environment, Aristotle University of Thessaloniki, P.O. Box 248, 54124 Thessaloniki, Greece

Dr. Dimitrios Katsantonis

Institute of Plant Breeding and Genetic Resources, Hellenic Agricultural Organization, Ellinikis Georgikis Sholis Avenue, 57001 Thessaloniki, Greece

Deadline for manuscript submissions

closed (30 June 2021)



Remote Sensing

an Open Access Journal
by MDPI

Impact Factor 4.2
CiteScore 8.3



mdpi.com/si/48275

Remote Sensing
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
remotesensing@mdpi.com

[mdpi.com/journal/
remotesensing](https://mdpi.com/journal/remotesensing)





Remote Sensing

an Open Access Journal
by MDPI

Impact Factor 4.2
CiteScore 8.3



[mdpi.com/journal/
remotesensing](https://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)