remote sensing

IMPACT FACTOR 4.2

CITESCORE 8.3

an Open Access Journal by MDPI

Remote Sensing in Viticulture II

Guest Editors:

Dr. Luís Pádua
Centre for the Research and Technology of Agro-Environmental and Biological Sciences (CITAB), University of Trás-os-Montes and Alto Douro (UTAD), 5000-801 Vila Real, Portugal

Dr. Emanuel Peres
Department of Engineering, School of Sciences and Technology, University of Trás-os-Montes e Alto Douro, 5000-801 Vila Real, Portugal

Prof. Dr. Raul Morais dos Santos
Centre for the Research and Technology of Agro-Environmental and Biological Sciences (CITAB), University of Trás-os-Montes and Alto Douro (UTAD), 5000-801 Vila Real, Portugal

Message from the Guest Editors

Dear Colleagues,

The technological and scientific developments in the last several decades have allowed the emergence of new approaches for data acquisition and the processing of remote sensed data within the context of precision viticulture.

This Special Issue aims to encourage the publication of studies or review articles documenting recent advances in the viticulture sector using remote sensing and intelligent field monitoring. It aims to cover the development of novel methodologies, algorithms, and applications using remotely sensed data including, but not limited to: grapevine vegetation monitoring using unmanned aerial vehicles (UAVs), airborne and satellite data; vigor mapping and site-specific applications; time series and multi-temporal vineyard analysis; digital image processing, computer vision and machine learning methods applied in viticulture; precision viticulture methods; advances in proximal sensing in viticulture, including the use of image sensors; as well as the estimation and mapping of water status, irrigation demands, and phytosanitary issues.

Deadline for manuscript submissions:
25 January 2025

mdpi.com/si/128033

Special Issue

remote sensing

IMPACT FACTOR 4.2

CITESCORE 8.3

an Open Access Journal by MDPI

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

Remote Sensing Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/remotesensing
remotesensing@mdpi.com
𝕏@RemoteSens_MDPI