



an Open Access Journal by MDPI

Application of Remote Sensing Images for Monitoring Crops

Guest Editors:

Message from the Guest Editors

Dr. Xuehe Lu Dear Colleagues,

Prof. Dr. Xiuying Zhang

Dr. Xiaoping Wang

Dr. Michele Croci

Prof. Dr. Abdul M. Mouazen

Deadline for manuscript submissions: 17 February 2025 Remote sensing plays a key role in crop area estimation, crop growth monitoring, soil moisture and fertility evaluation, crop stress detection, disease and pest diagnosis, yield estimation, greenhouse gas emission, etc. Recent progress in the development of observation methods for sun-induced chlorophyll fluorescence, radar, and GNSS (Global Navigation Satellite System) signals; the emergence of remote sensing platforms, including UAVs (Unmanned Aerial Vehicles) and IoT (Internet of Things); and the development of data processing methods, including big data analysis, deep learning, and artificial intelligence (AI), have led to the application of highprecision, real-time, and intelligent remote sensing methods for crop monitoring. This Special Issue aims to present new and innovative applications of remote sensing data, collected using a broad range of platforms and sensors, and to highlight novel mechanisms and datadriven methods for measuring key crop parameters.

- remote sensing
- crop monitoring
- new and innovative applications
- novel mechanisms and data-driven methods
- data from new platforms and sensors









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