



Monitoring Water, Vegetation, and Soil Condition in Farmland Ecosystems: Integration of Multi-Source Remote Sensing

Guest Editors:

Prof. Dr. Ningbo Cui

Dr. Taifeng Dong

Dr. Cong Wang

Prof. Dr. Yulei Xie

Deadline for manuscript
submissions:

closed (31 August 2024)

Message from the Guest Editors

This Special Issue will focus on the advancement of multi-source remote sensing in monitoring water, vegetation, and soil health in farmland ecosystems. We welcome novel research, review, and opinion pieces covering all related topics, including but not limited to the following topics:

- Retrieving soil moisture and nutrients in farmlands;
- Cultivation structure extraction and area estimation;
- Crop traits (LAI, biomass and leaf chlorophyll content) inversion;
- Assimilation of multi-source RS into crop growth models;
- Optimization of irrigation system and evaluation of water productivity;
- Construction of regional intelligent irrigation decision-making systems.





an Open Access Journal by MDPI

Editors-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

Prof. Dr. Dongdong Wang

Institute of Remote Sensing and
Geographic Information Systems,
Peking University, Beijing, China

Message from the Editorial Board

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](https://twitter.com/RemoteSens_MDPI)