

## Special Issue

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

### 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.

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### Guest Editors

Prof. Dr. Ningbo Cui

Dr. Taifeng Dong

Dr. Cong Wang

Prof. Dr. Yulei Xie

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### Deadline for manuscript submissions

closed (20 March 2024)



## Earth

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## About the Journal

### Message from the Editor-in-Chief

*Earth* journal is a publishing platform to promote discoveries related to the Earth and its components (atmosphere, oceans, land, cryosphere, biosphere, and humans). The journal serves as a publishing venue that views Earth from a holistic perspective and disseminates scientific papers with emphases on multidisciplinary approaches to understand the complexities and interactions occurring on a variety of spatial and temporal scales. Rapid turnaround time and full open access offer the opportunity to make research results immediately available to scientific communities and the general public.

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### Editor-in-Chief

Prof. Dr. Charles Jones

Department of Geography, University of California, Santa Barbara, CA,  
USA

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### Author Benefits

#### High Visibility:

indexed within ESCI (Web of Science), Scopus, GeoRef, AGRIS, and other databases.

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 19.4 days after submission; acceptance to publication is undertaken in 4.3 days (median values for papers published in this journal in the first half of 2025).

#### Journal Rank:

JCR - Q2 (Geosciences, Multidisciplinary) / CiteScore - Q1 (Earth and Planetary Sciences (miscellaneous))