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

Guest Editors:

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**Dr. Taifeng Dong**

**Dr. Cong Wang**

**Prof. Dr. Yulei Xie**

Deadline for manuscript submissions:  
**closed (20 March 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.



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Special Issue



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## Editor-in-Chief

### **Prof. Dr. Charles Jones**

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## 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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