

## Special Issue

# Research Progress and Challenges of Agricultural Information Technology

### Message from the Guest Editors

The use of technology in the agricultural industry has seen significant progress in recent years, with new developments in precision farming, data management, and automation. However, the integration of technology into the agricultural sector also presents numerous challenges. This Special Issue focuses on the research progress and challenges of agricultural information technology, and explore the latest developments and innovations in this rapidly evolving field. The Special Issue will feature original research articles, review articles, and case studies on the application of GIS and remote sensing technology in agriculture, covering but not limited to the following topics:

- The use of GIS and remote sensing to develop precision agriculture systems
- The integration of GIS and remote sensing data with other agricultural data sets
- The application of GIS and remote sensing in crop monitoring and yield prediction
- The role of GIS and remote sensing in natural resource management, including water, soil, and biodiversity conservation
- The use of GIS and remote sensing to study the impacts of climate change on agriculture

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### Guest Editors

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### Deadline for manuscript submissions

31 January 2026



## AgriEngineering

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Impact Factor 3.0  
CiteScore 4.7



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## About the Journal

### Message from the Editor-in-Chief

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#### Editor-in-Chief

Dr. Mathew G. Pelletier

Retired Scientist from Agricultural Research Service, United States  
Department of Agriculture, Lubbock, TX, USA

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