

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

Guest Editors

Dr. Fatwa Ramdani

Dr. Riswan S. Sianturi

Dr. Adi Wibowo

Deadline for manuscript submissions

31 January 2026



AgriEngineering

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 4.7



mdpi.com/si/153761

AgriEngineering
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
agriengineering@mdpi.com

[mdpi.com/journal/
agriengineering](https://mdpi.com/journal/agriengineering)





AgriEngineering

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 4.7



[mdpi.com/journal/
agriengineering](https://mdpi.com/journal/agriengineering)



About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

Dr. Mathew G. Pelletier

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

Author Benefits

High Visibility:

indexed within Scopus, ESCI (Web of Science), PubAg, FSTA, AGRIS, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Agricultural Engineering) / CiteScore - Q1 (Horticulture)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 20.6 days after submission; acceptance to publication is undertaken in 5.4 days (median values for papers published in this journal in the first half of 2025).