

## Special Issue

# Intelligent Information System for Agriculture Based on Vision Technology

### Message from the Guest Editors

Climate change poses a significant threat to global agriculture. Various factors such as frequent drought, increasing urbanization, and soil erosion, among others, are limiting crop productivity. To tackle such challenges, modern farming is undergoing a revolution with the emergence of intelligent technology. Intelligent information systems for overall farmland are now becoming cutting-edge research areas. Unlike traditional methods, intelligent farming uses data to tailor farming practices to specific areas or even individual plants within croplands. This shift is a game-changer, paving the way for more efficient and eco-friendly food production. Advancements in sensors, data collection tools, GPS, and the Internet of Things (IoT) have opened up tremendous possibilities towards building intelligent farming systems. Given the profound development of intelligent technology, drones, and data-driven methodologies in agriculture, this Special Issue aims to bring together the latest novel contributions within the intersection of intelligent information systems, sensors, and vision technologies.

---

### Guest Editors

Dr. Arjun Neupane  
Dr. Tej Bahadur Shahi  
Dr. Richard Koech✉

---

### Deadline for manuscript submissions

closed (15 November 2025)



## Agronomy

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.4  
CiteScore 6.7



[mdpi.com/si/206539](https://mdpi.com/si/206539)

*Agronomy*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[agronomy@mdpi.com](mailto:agronomy@mdpi.com)

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





# Agronomy

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.4  
CiteScore 6.7



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



## About the Journal

### Message from the Editor-in-Chief

*Agronomy* draws together researchers from diverse areas of agricultural research with a common aim of enhancing agricultural productivity globally. The journal provides unlimited free access to all those interested in advancing agricultural science from both the research and general community. Papers are released immediately after acceptance through the internet.

*Agronomy* is supported by our authors and their institutes through low article processing charges (APC) for accepted papers. We hope you will support the journal by becoming one of our authors.

---

### Editor-in-Chief

Prof. Dr. Leslie A. Weston

Gulbali Centre for Agriculture, Water and Environment Research,  
Charles Sturt University, Wagga Wagga, NSW 2678, Australia

---

### 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), GEOBASE, PubAg, AGRIS, and other databases.

#### Journal Rank:

JCR - Q1 (Agronomy) / CiteScore - Q1 (Agronomy and Crop Science)