

## Special Issue

# Sustainable Precision Agriculture with Wireless Sensor Networks in Crop Monitoring Aligned with SDGs

### Message from the Guest Editors

The rapid evolution of precision agriculture technologies has significantly transformed crop production by integrating wireless sensor networks (WSNs) and data-driven solutions. These technologies are not only improving efficiency and productivity but are also contributing to the global sustainability goals as outlined in the United Nations Sustainable Development Goals (SDGs). In crop production, soil sensors, nutrient level detectors, remote sensing via drones or satellites, and automated systems are commonly employed. The result is not only improved crop yields but also reduced input costs and more sustainable farming practices in line with SDGs 12 (responsible consumption and production) and 13 (climate action).

This Special Issue invites submissions that explore the role of wireless sensor networks, IoT, and AI in enhancing precision agriculture, with a particular focus on how these technologies align with the goals of sustainable development. Research on the use of big data and inter-seasonal databases to predict agricultural outcomes and improve decision-making in crop is particularly encouraged.

---

### Guest Editors

Dr. Anikó Nyéki

Dr. Attila József Kovács

Prof. Dr. Miklós Neményi

---

### Deadline for manuscript submissions

15 June 2026



## Agronomy

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.4  
CiteScore 6.7



[mdpi.com/si/231230](https://mdpi.com/si/231230)

*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)