

## Special Issue

# Robotics and Automation in Farming—2nd Edition

### Message from the Guest Editors

with the rapid growth of the global population and the increasing demand for food, it has become imperative to use technological advancements to improve the production, efficiency, and sustainability of food. The development of robotics and automation in farming is currently at the forefront of a significant body of research and innovation worldwide. Their applications in this field vary, as there is an emerging focus on robotic systems capable of selectively harvesting crops; controlling pests, diseases, and weeds; monitoring the agricultural environment and crops; autonomously supporting agricultural logistics operations; and accelerating crop selection or phenotyping. Each of these applications would benefit all agricultural sectors. We welcome contributions that focus on innovative technologies, including precision and digital farming technologies, advanced robotic systems, and the use of automation in agriculture with the aim of increasing the productivity, efficiency, and sustainability of farming systems.

### Guest Editors

Dr. Marco Fontanelli

Department of Agriculture, Food and Environment, University of Pisa,  
Via del Borghetto, 80, 56124 Pisa, Italy

Dr. Lorenzo Gagliardi

Department of Agriculture, Food and Environment (DAFE), University of  
Pisa, 56214 Pisa, Italy

### Deadline for manuscript submissions

28 August 2026



## Agronomy

an Open Access Journal  
by MDPI

Impact Factor 3.4  
CiteScore 6.7



[mdpi.com/si/242864](https://mdpi.com/si/242864)

*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/](https://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)