

## Special Issue

# Precision Farming and Control of Crop Production

### Message from the Guest Editors

The industrial agri-food system that has been established over the last fifty years has led to the indiscriminate exploitation and irreversible deterioration of natural resources, incorrectly assumed to be unlimited and inexhaustible. The costs incurred in environmental and social terms as a result of intensive agriculture have been enormous, especially in terms of pollution, loss of biodiversity, soil fertility reduction, and marginal land abandonment, thus creating obvious sustainability issues. Nowadays, a possible response to the negative trend just described is represented by the development of technologies and the implementation of so-called precision agriculture (PA), whose birth dates back to the nineties in the United States, where it continues to have the widest spread and technical and technological evolution.

Precision farming requires a cyclical process of data collection in a closed-chain control scheme for crop management and the evaluation of decisions.

---

### Guest Editors

Prof. Dr. Maria Grazia D'Urso

Dr. Alberto Guarnieri

Dr. Shibendu S. Ray

---

### Deadline for manuscript submissions

closed (15 November 2021)



## Agronomy

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.4  
CiteScore 6.7



[mdpi.com/si/75110](https://mdpi.com/si/75110)

*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), PubAg, AGRIS, and other databases.

#### Journal Rank:

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