

## Special Issue

# Agroecological Practices Improve Soil Properties and Biodiversity in the Farming System

### Message from the Guest Editors

The current agricultural intensification has a major impact on ecosystems and is exacerbating global change processes. There is a heated debate about the use of the most appropriate agricultural production practices to conciliate the need to produce more food and protect the environment. As is well-known, some practices, such as organic fertilization, crop rotation, the use of cover crops, and biological pest control, can improve soil properties and soil biodiversity; nevertheless, the application of these practices depends on numerous factors. However, how beneficial are agroecological practices to soil properties and biodiversity? This Special Issue aims to collect the results of innovative research addressing aspects of sustainable soil management and the maintenance of edaphic biodiversity. Studies on the effects of different agroecological practices on soil and biological characteristics, organic matter accumulation and increased biodiversity are welcome.

### Guest Editors

Dr. Cristina Menta

Department of Chemistry, Life Sciences and Environmental Sustainability, University of Parma, Viale delle Scienze 11/A, 43124 Parma, Italy

Dr. Ciro Gardi

European Food Safety Authority (EFSA), ALPHA Unit, Plant Health Team Via Carlo Magno 1A, 43126 Parma, Italy

### Deadline for manuscript submissions

closed (29 April 2024)



## Agronomy

an Open Access Journal  
by MDPI

Impact Factor 3.4  
CiteScore 6.7



[mdpi.com/si/178254](https://mdpi.com/si/178254)

*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)