

## Special Issue

# Harnessing Soil Biodiversity for Sustainable and Resilient Agroecosystems

### Message from the Guest Editors

This Special Issue will integrate multidisciplinary research aiming to disentangle the relationships among soil community composition, functional diversity, and agroecosystem processes. The collected contributions will investigate how management practices, including reduced tillage, organic amendments, and the use of beneficial microorganisms (bioinoculants), shape soil biotic networks and influence key ecological functions such as nutrient and water use efficiency, organic matter turnover, and disease suppression. Particular emphasis will be placed on the ecological mechanisms conferring resistance and resilience to disturbance, the role of multitrophic interactions, and the potential of nature- and microbiome-based solutions to enhance soil functionality. Future research priorities include bridging micro- to field-scale processes, refining soil health indicators, and integrating soil biodiversity into agri-environmental policies. Collectively, this Special Issue will underscore the necessity of managing soils as living ecosystems to achieve climate-smart, resource-efficient, and resilient agricultural systems.

---

### Guest Editors

Dr. Stefano Mocali  
Prof. Dr. Annamaria Bevivino  
Dr. Francesco Vitali

---

### Deadline for manuscript submissions

closed (10 June 2026)



## Agriculture

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.5  
CiteScore 7.8



[mdpi.com/si/264330](https://mdpi.com/si/264330)

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

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





# Agriculture

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.5  
CiteScore 7.8



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



## About the Journal

### Message from the Editor-in-Chief

*Agriculture* (ISSN 2077-0472) is an international, scholarly and scientific open access journal publishing peer-reviewed research papers, review articles, communications and short notes that reflect the breadth and interdisciplinarity of agriculture.

---

### Editor-in-Chief

Prof. Dr. Les Copeland  
Sydney Institute of Agriculture, School of Life and Environmental  
Sciences, The University of Sydney, Sydney, NSW 2006, 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, RePEc, and other databases.

#### Journal Rank:

JCR - Q1 (Agronomy) / CiteScore - Q1 (Plant Science)