

## Special Issue

# Agricultural Biotechnology for Soil Remediation and Conservation

### Message from the Guest Editor

Agricultural practices have evolved over time, always maintaining the same goal of feeding as many people as possible. Crop failure due to pests, fires, or climate change has led to major famines and loss of human life. For years, agriculture has drifted towards intensification through specialization, increasing the size of production units and mechanization, which has improved living standards. However, some of those agricultural practices, such as indiscriminate use of synthetic fertilizers and pesticides, restricted cultivation of high-yield varieties, and the continuous use of machinery, negatively affect agroecosystems and agricultural soils, particularly the habitats of insects, weeds, or microorganisms living in agricultural ecosystems, essential to maintain crop yields. Nowadays, according to FAO data, a third of agricultural soils are degraded, the genetic diversity of crops has been reduced to 25%, and several million hectares of forest have disappeared, transformed for different uses. Implementing corrective measures is absolutely necessary, as is advancement in the study of new methodologies to understand their real impact on the environment and crop yields.

---

### Guest Editor

Prof. Dr. Juana D. Jordá  
Institute for Environmental Research, University of Alicante, 03690  
Alicante, Spain

---

### Deadline for manuscript submissions

closed (30 September 2022)



## Agronomy

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.4  
CiteScore 6.7



[mdpi.com/si/109467](https://mdpi.com/si/109467)

*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)