

## Special Issue

# Effects of Agronomic Practices on Soil Properties and Health

### Message from the Guest Editors

Due to increasingly extreme climate phenomena related to global warming and accompanying challenges, such as the need to properly feed a growing world population, it is now essential to maintain and restore the fertility of agricultural soils while also making marginal and/or moderately contaminated soils characterized by low microbial diversity and enzymatic activity and low organic matter storage suitable for low-intensity agriculture.

Based on the above, this Special Issue will focus on the following:

Short-term effects (maximum 3 years) of different crop rotations on the enzymatic activity of sandy soils.

Short- and long-term effects of intercropping on the availability of heavy metals and their accumulation in moderately contaminated soils.

Cover crops and organic matter storage in marginal and sloping grounds.

Cover cropping and intercropping effects on weed infestation and the accumulation of high-molecular-weight allelochemicals in soil.

Management of phytochemical degradation in soil under cover cropping and intercropping.

Phosphorus availability in marginal soils under cover cropping and intercropping (with a special focus on tropical and subtropical soils).

---

### Guest Editors

Dr. Marco Pittarello

Dr. Emilio Lo Presti

Dr. Paolo Carletti

---

### Deadline for manuscript submissions

30 January 2026



## Agronomy

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.4  
CiteScore 6.7



[mdpi.com/si/242760](https://mdpi.com/si/242760)

*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)