

## Special Issue

# Bioremediation of Contaminated Soil, Wastewater and Biowaste in Agricultural System

### Message from the Guest Editors

The expansion of industry and agriculture, combined with population growth, has raised significant concerns within the scientific community regarding environmental pollution and the depletion of natural resources.

Bioremediation has emerged as a promising solution, utilizing microorganisms, plants, enzymes, and genetic processes to degrade, transform, or remove pollutants from various environmental matrices. This Special Issue focuses on innovative bioremediation technologies applied to agricultural systems, with an emphasis on biostimulation, bioaugmentation (using microbial consortia and isolated microorganisms capable of degrading specific contaminants), genomic bioaugmentation, phytoremediation, and enzymatic degradation, among others. Topics of interest include, but are not limited to, the following: Bioremediation of organic and inorganic pollutants in agricultural soils, wastewater, and biowastes.

Advances in microbial consortia and genetically engineered microorganisms for pollutant degradation. Phytoremediation strategies and microorganism–plant interactions for soil and water cleanup.

Enzyme-based remediation techniques for agricultural waste management.

---

### Guest Editors

Dr. Alba Lara-Moreno

Department of Microbiology and Parasitology, Faculty of Pharmacy,  
University of Seville, 41012 Seville, Spain

Dr. Fernando Madrid

Institute of Natural Resources and Agrobiological of Seville, Spanish  
National Research Council (IRNAS-CSIC), 41012 Seville, Spain

---

### Deadline for manuscript submissions

15 August 2025



## Agriculture

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.6  
CiteScore 6.3



[mdpi.com/si/230754](https://mdpi.com/si/230754)

*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 3.6  
CiteScore 6.3



[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, cross-disciplinary and scholarly journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. We invite submissions from authors according to the aims and scope of the journal described in more detail on this page. *Agriculture* is published in an open access format – articles are published on the journal's website immediately after acceptance, giving the scientific community and the public unlimited and free access to the content.

---

### 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), PubAg, AGRIS, RePEc, and other databases.

#### Journal Rank:

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