

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 Agrobiology of Seville, Spanish National Research Council (IRNAS-CSIC), 41012 Seville, Spain

Deadline for manuscript submissions

closed (25 February 2026)



Agriculture

an Open Access Journal
by MDPI

Impact Factor 3.6
CiteScore 7.8



mdpi.com/si/230754

Agriculture
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
agriculture@mdpi.com

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





Agriculture

an Open Access Journal
by MDPI

Impact Factor 3.6
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)