

## Special Issue

# Effects of Plant-Microbe Interactions on Phyto- and Bio-Remediation Capacity

### Message from the Guest Editors

This Special Issue aims to highlight the effect of plant-microbe (bacteria and fungi) interactions in phyto- and bio-remediation, and focuses on plant and microbial synergies. This issue will fully embrace inter- and trans-disciplinary studies from multiple disciplines (e.g., agricultural sciences, environmental sciences, and ecology), as well as those incorporating other knowledge systems (e.g., synthetic biology) in the co-construction of knowledge for plant-microbe interactions. We encourage studies on the isolation and characterization of bacteria, fungi and endophytes with plant growth-promoting features; the design of a synthetic microbiome to improve the efficiency of bioremediation; and the effects of soil pollutants and root exudates on rhizosphere microorganisms. Studies assessing the physiological and molecular mechanisms of plant-microbial interactions in bioremediation are also welcome. This Special Issue invites all types of articles, applying qualitative, quantitative, or mixed methodologies, as well as both empirical primary research and reviews, along with commentaries.

---

### Guest Editors

Dr. Chen Chen

Dr. Xihui Xu

Dr. Liang Shi

---

### Deadline for manuscript submissions

closed (10 December 2023)



## Agriculture

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.6  
CiteScore 6.3



[mdpi.com/si/160368](https://mdpi.com/si/160368)

*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)