

Special Issue

Ecological Environment and Microbial Community of Agricultural Soils

Message from the Guest Editors

The agricultural soil environment is a complex system. Agricultural practices can reduce microbial diversity and alter microbial activity. Modern ecologically sound agriculture depends on the preservation of robust, diversified populations and productive microbial communities in the soil, as well as the development of management techniques that support these ecosystems. The goals of this Special Issue are to describe the progress in the relationship between the ecological environment and the microbial community of agricultural soils, to show how the microbiome and soil function are intertwined, to examine the factors that affect crop productivity, nutrient cycling, and soil health, and to provide ecological insights into bioindicators of soil properties that are important to soil health. In this Special Issue, we invite submissions of research articles and reviews that incorporate studies from several fields (for example, agricultural sciences, biology, environmental sciences, and data science) and interdisciplinary research that expands our understanding of the complex interactions between agricultural management, soil ecology, and microbial communities.

Guest Editors

Dr. Irina K. Kravchenko
Dr. Mikhail V. Semenov
Dr. Alena D. Zhelezova

Deadline for manuscript submissions

closed (15 October 2023)



Agriculture

an Open Access Journal
by MDPI

Impact Factor 4.5
CiteScore 7.8



mdpi.com/si/165958

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 4.5
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)