

## Special Issue

# Soil Microbial Community and Ecological Function in Agriculture

### Message from the Guest Editor

This Special Issue aims to advance the understanding of soil microbial communities and their ecological functions. The Issue will focus on how soil microbes contribute to ecosystem services, their responses to climate change and human activities, and their potential in sustainable agricultural and environmental remediation. Recent technological advancements, such as high-throughput sequencing, metagenomics, and metabolomics, have enhanced our ability to study soil microbial communities. Topics of interest include, but are not limited to, the following:

- Diversity and composition of soil microbial communities in various ecosystems.
- Functional analyses of soil microbes and their contributions to nutrient cycling.
- Microbe–microbe and microbe–plant interactions in the soil environment.
- Effects of environmental changes, such as climate change, pollution, and land-use practices, on soil microbial ecology.
- Applications of soil microbes in agriculture and degraded land restoration.

We encourage submissions that offer novel insights, utilize interdisciplinary approaches, and have practical implications for ecosystem management and sustainability.

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### Guest Editor

Prof. Dr. Shaokun Wang

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### Deadline for manuscript submissions

31 October 2025



## Agriculture

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## 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.

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### Editor-in-Chief

Prof. Dr. Les Copeland

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