Special Issue

Research on Mycorrhizal Fungi

Message from the Guest Editors

Mycorrhizal fungi are a group of microorganisms that form a symbiotic relationship with plant roots. By interacting with their host plants, they form a mutually beneficial association. This symbiotic relationship plays a vital role in plant nutrient uptake, growth and development, and stress resistance. Mycorrhizal fungi are ubiquitous widespread soil microorganisms that include arbuscular mycorrhizal, ectomycorrhizal, ericoid mycorrhizal, and orchid mycorrhizal fungi, among others. In recent years, research on mycorrhizal fungi has continued to expand, and the fields implicated have become increasingly diverse. This Special Issue aims to gather the latest research results and theoretical advances with regard to mycorrhizal fungi and to promote academic exchange and collaboration. We welcome papers that address the following topics:

- Interaction of all types of mycorrhizal fungi with plants;
- The role of mycorrhizal fungi in plant nutrient uptake and growth regulation;
- The function of mycorrhizal fungi in ecosystems;
- The use of mycorrhizal fungi in environmental restoration and sustainable agricultural/forestry development.

Guest Editors

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Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

Editor-in-Chief

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.2 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the first half of 2025).

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