Special Issue

Fungal Ecology on a Changing Planet

Message from the Guest Editors

This Special Issue invites research and review articles exploring fungal ecology in a changing planet. We welcome studies that address, but are not limited to: (i) Fungal diversity and ecological responses to environmental and human-driven stressors (ii) Fungal tolerance to extreme conditions (e.g., heavy metals, organic pollutants, heat, salinity) (iii) Metabolic and physiological adaptations of fungi under environmental stress (iv) Conceptual frameworks linking fungal biodiversity to ecosystem functioning or linking fungal genes to traits under changing environments (v) Mycoremediation strategies for mitigating environmental contamination By advancing our understanding of fungal responses to global change, this Special Issue aims to highlight the ecological significance of fungi and their potential applications in ecosystem restoration and bioremediation.

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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.

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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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