

Special Issue

Unveiling the Multiple Aspects of Microbial Ecology

Message from the Guest Editors

This Special Issue will collate the latest research on microbiomes, shedding light on their roles and functions in humans, animals, food and the environment. The balance of the microbial ecosystem is of utmost importance to the sustainable maintenance of microbial life. Yet, microbial ecosystems are highly dependent on human activities, environmental factors, stress, phytochemicals and antibiotics. By being in close proximity and interacting, microbes form an ecosystem that stabilizes and becomes resistant to changes in environmental living conditions. The composition of the microbial community and host immune status contribute to their stability. In recent years, studies have highlighted the importance of normal microflora that can protect against infection and the collateral damage of antibiotics. Important research of both human, animal, food and environmental ecosystems, the conditions affecting them, and how these ecosystems affect health status will also be presented. Lastly, the awareness of the relationship between the environment, food and health must be continuous throughout the development of permanent surveillance systems and policy strategies.

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).