Special Issue

Omics Research in Microbial Ecology

Message from the Guest Editors

Omics technologies are currently the most popular tools in different branches of microbial ecology, as they are used in various applications from the fundamental hypothesis of the emergence of multi-cellular organisms to practically oriented studies in medicine, animal husbandry, and crop production. This Special Issue welcomes research and review articles devoted to new findings in different fields of microbial ecology obtained using modern omics technologies, including, but not restricted to, genomics, metagenomics, transcriptomics, metabolomics, etc. All kinds of microorganisms might be an object of such studies including viruses, prokaryotes, fungi, algae, and protists. The most in demand are articles describing new results from cutting-edge research on microbial communities and microbiomes in newly studied organisms (from protists to plants and animals), common and rare ecosystems, and healthy and sick humans and animals. We are also soliciting methodological papers devoted to benefits and limitations of omics technologies in microbial ecology, especially multi-omics approaches.

Guest Editors

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Deadline for manuscript submissions

closed (15 March 2025)

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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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