

Special Issue

Gut Microbiota: Metagenomics to Study Ecology, 2nd Edition

Message from the Guest Editor

Microorganisms is pleased to solicit manuscripts for a Special Issue on “Gut Microbiota: Metagenomics to Study Ecology”, with Lifeng Zhu. This Special Issue is targeted towards metagenomic (including multi-omics) research of the gut microbiome, involved in all aspects of ecology. The gut microbiome plays a vital role in host nutrition intake, the immune system, and health. Metagenomics has greatly advanced our understanding of gut microbial composition (metagenomic assembled genomes) and function (community genomics and microbiomics), which has helped to reveal the ecological interaction between the gut microbiome and host. Further, metagenomics could shed light on the host local adaptation (e.g., diet and harsh environment). We will consider original scientific research articles, comprehensive reviews, comments, commentaries, and perspectives for publication. Topics of interest include gut microbial ecology, multi-omics studies, microbial genomics, host–microbe interactions, host local adaptation, and biodiversity conservation, all in relation to gut metagenomics. All manuscripts will be peer reviewed.

Guest Editor

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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).