Special Issue

Understanding of the Microbiome at the Genome Level

Message from the Guest Editors

A comprehensive understanding of how beneficial and pathogenic microbes interact with the host and other microorganisms is essential for developing microbiome manipulation strategies to enhance host health. As the of this Special Issue, we encourage the scientific community to submit contributions (original research articles, review articles, and short communications) in the following (but not exclusive) areas:

- Genomic research on microorganisms isolated (or recovered from metagenomic data) from the microbiomes.
- Genome-resolved inter-microbial interactions inside the microbiome
- Roles of beneficial- or pathogenicity-associated genes in the interactions of microbes with the microbiome
- The role of mycobiota and their interaction with bacteria
- The role of gut microbiota in stress (weaning stress, nutritional stress, heat stress, oxidative stress and etc.)

Guest Editors

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Deadline for manuscript submissions

closed (31 August 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.

Editor-in-Chief

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Journal Rank:

JCR - Q2 (Microbiology) / CiteScore - Q1 (Microbiology (medical))

Rapid Publication:

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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