Special Issue

Genomics and Epidemiology of Clinical Microorganisms

Message from the Guest Editors

Genomics and Epidemiology of Clinical Microorganisms play a pivotal role in advancing our understanding of infectious diseases, guiding clinical practice, and informing public health policies. By harnessing the power of genomic analysis and epidemiological insights, we can effectively combat infectious diseases and safeguard global health. This special issue aims to explore how genomics and epidemiology intersect to understand the dynamics, evolution, and clinical impact of microorganisms. Topics covered include genomic characterization of pathogens, evolutionary dynamics, transmission dynamics and outbreak investigations, host-pathogen interactions, One Health perspectives, bioinformatics and computational tools, clinical implications and public health interventions, and emerging technologies and methodologies. By providing a platform for sharing research findings and insights, this issue aims to improve our understanding of infectious diseases and help us find better ways to prevent and control them.

Guest Editors

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Deadline for manuscript submissions

closed (31 December 2025)

Microorganisms

an Open Access Journal by MDPI

Impact Factor 4.2
CiteScore 7.7
Indexed in PubMed

mdpi.com/si/203867

Microorganisms
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mdpi.com/journal/microorganisms

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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 20 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the second half of 2025).

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