

# Topical Collection

## Microbiomes in Health and Disease

### Message from the Collection Editor

The complex and dynamic relationship between hosts and their associated microbiomes has emerged as a critical factor in understanding the pathogenesis and progression of various human diseases. Recent advancements in high-throughput omics technologies have enabled a more comprehensive understanding of this complex system, providing novel insights into the molecular mechanisms underlying host–microbiome interactions and their influences on health and disease. This topical collection aims to bring together groundbreaking research that explores the complex relationships between microbiomes and human health, as well as their implications for disease prevention, diagnosis, and treatment. We welcome contributions that advance our knowledge of microbiome science, from basic research to clinical applications, and provide insights into how microbiomes can be harnessed to improve human health.

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### Collection Editor

Dr. Pabulo Henrique Rampelotto

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## 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.

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### Editor-in-Chief

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indexed within Scopus, SCIE (Web of Science), PubMed, PMC, PubAg, CAPlus / SciFinder, AGRIS, and other databases.

#### Journal Rank:

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

#### Rapid Publication:

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).