

Special Issue

Probiotics and Gut Microbiome Dynamics in Health and Disease

Message from the Guest Editors

This Special Issue entitled "Probiotics and Gut Microbiome Dynamics in Health and Disease" aims to present recent research on any aspect of the gut microbiome. Some of its focal points include, but are not limited to, the following: Microbial community dynamics, host-microbe interactions, and microbiome-derived metabolites; Probiotics, prebiotics, synbiotics, postbiotics, and functional foods targeting disease prevention and health promotion; Bioinformatics, multi-omics analysis, genome sequencing, and computational tools for studying microbiome function and probiotic potential; Microbiome-based biomarkers and personalized interventions in precision medicine; Effects of diet, genes, lifestyle, and environmental factors on microbiota composition and function.

Guest Editors

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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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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).