

Special Issue

Probiotics, Gut Microbiota, and Health

Message from the Guest Editors

Over the past decade, a wealth of research has highlighted the beneficial effects of probiotics in favoring a balanced microbiota and gastrointestinal (GI) health, but this represents only the tip of the iceberg. In this context, studies deepening our understanding of how probiotic microorganisms influence the composition and metabolic or immunological activities of the human gut microbiota are paramount, particularly in the context of preventing and managing chronic diseases, with special attention to vulnerable populations such as infants, pregnant women, and the elderly.

For this Special Issue, titled “Probiotics, Gut Microbiota, and Health”, we invite researchers to submit high-quality original research articles and comprehensive narrative and systematic reviews exploring the multifaceted impact of probiotics on gut health and human diseases. We welcome studies encompassing clinical, in vivo, and in vitro investigations that delve into the bioactive effects, underlying mechanisms, and therapeutic applications of probiotics.

Guest Editors

Dr. Massimiliano Marazzato

Department of Public Health and Infectious Diseases, Sapienza University of Rome, 00185 Roma, Italy

Prof. Dr. Claudio de Simone

Department of Clinical Medicine and Public Health, University of L'Aquila, L'Aquila, Italy

Deadline for manuscript submissions

30 September 2025



Microorganisms

an Open Access Journal
by MDPI

Impact Factor 4.2
CiteScore 7.7
Indexed in PubMed



mdpi.com/si/234373

Microorganisms
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
microorganisms@mdpi.com

[mdpi.com/journal/
microorganisms](https://mdpi.com/journal/microorganisms)





Microorganisms

an Open Access Journal
by MDPI

Impact Factor 4.2
CiteScore 7.7
Indexed in PubMed



[mdpi.com/journal/
microorganisms](https://mdpi.com/journal/microorganisms)



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

Dr. Nico Jehmlich

Department of Molecular Toxicology, UFZ-Helmholtz Centre for
Environmental Research, 04318 Leipzig, Germany

Author Benefits

High Visibility:

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 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).