

Special Issue

Gut Microbiome in Homeostasis and Disease, 3rd Edition

Message from the Guest Editor

There is emerging evidence that the gut microbiome plays a central role in orchestrating homeostasis, and its disturbance, commonly known as dysbiosis, has been linked to numerous pathologies, such as metabolic syndrome, intestinal diseases, and cancer. With this in mind, we invite you to submit original or review articles that cover both clinical and preclinical field of research, illuminating the role of the gut microbiome in shaping immunity and organisms' pathophysiology. Once we comprehend the complex mechanisms regulating the balance of the gut microbiome and the benefits or detrimental effects of several genera, we will be able to effectively treat patients with chronic and still unsolved diseases. Welcome are, among others, studies on the gut-brain axis, gut-liver axis, fecal microbiota transplantation, probiotics, and commensal and non-commensal microorganisms, including *Helicobacter* species. These data are hopefully going to lead to new opportunities for the diagnosis, prognosis, and treatment of a plethora of human diseases.

Guest Editor

Dr. Michael Doulberis

Division of Gastroenterology and Hepatology, Medical University
Department, Kantonsspital Aarau, 5001 Aarau, Switzerland

Deadline for manuscript submissions

15 January 2026



Microorganisms

an Open Access Journal
by MDPI

Impact Factor 4.2
CiteScore 7.7
Indexed in PubMed



mdpi.com/si/240329

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, CAPus / 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 11.7 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the second half of 2024).