

Special Issue

Microorganisms and Aging

Message from the Guest Editor

Dear colleague, Is the microbiome a major component of healthy aging? Despite substantial progress in our understanding of the gut microbiome, still very little is known about age-associated changes in the microbiome and its metabolic outputs, how these changes influence host physiology, and whether aging patterns within the microbiome simply reflect or actually contribute to long-term health and survival outcomes. The aim of this Special Issue of *Microorganisms* is to present a collection of articles that take a closer look at the importance of the microbiome in aging. Manuscripts providing an overview of all aspects of microbes and their functions related to the biology of aging are welcome, including basic research in animal models on the causal role of microbes on host aging, aging patterns within the microbiome, and the mechanisms of host-microbe interactions through to a more applied angle, such as modifiable microbial features that may promote healthy aging and longevity.

Guest Editor

Prof. Dr. Thomas Bosch
Zoological Institute, University of Kiel, Kiel, Germany

Deadline for manuscript submissions

closed (31 December 2021)



Microorganisms

an Open Access Journal
by MDPI

Impact Factor 4.2
CiteScore 7.7
Indexed in PubMed



mdpi.com/si/88576

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).