



Microorganisms and Aging

Guest Editor:

Prof. Dr. Thomas Bosch

Zoological Institute, University of
Kiel, Kiel, Germany

Deadline for manuscript
submissions:

closed (31 December 2021)

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.

Prof. Dr. Thomas Bosch
Guest Editor





an Open Access Journal by MDPI

Editor-in-Chief

Dr. Nico Jehmlich

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

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

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

Journal Rank: JCR - Q2 (*Microbiology*) / CiteScore - Q2 (*Microbiology*)

Contact Us

Microorganisms Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/microorganisms
microorganisms@mdpi.com
X@Micro_MDPI