

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

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Deadline for manuscript submissions

closed (31 December 2021)



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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).