



Gut Microbiome and Aging 2.0

Guest Editor:

Dr. Ravichandra Vemuri

Wake Forest School for Medicine,
Comparative Medicine, Wake
Forest Baptist Medical Center,
Winston-Salem, NC 27101, USA

Deadline for manuscript
submissions:

closed (30 August 2023)

Message from the Guest Editor

Dear Colleagues,

Aging is a natural and multifactorial process for all living organisms, involving a decline in physiological functions of the host. The aging process affects the gut microbiome in particular as it is accompanied by changes in gastrointestinal (GI) physiology, predisposing a myriad of GI and metabolic disorders. The development of next-generation sequencing and metagenomics has provided insight into the function of the aging microbiome. However, research on aging and the microbiome in general has many unresolved questions regarding whether any generalizable changes can be observed in normal/healthy ageing. The objective of this Special Issue is to provide a common platform for researchers and clinicians working on human and animal research to exchange updated information. This Special Issue will consider reviews and research manuscripts ranging from laboratory to animal and human studies.

Keywords: aging; gut microbiome; virome; mycobiome; archaeome; deits; probiotics/synbiotics; fecal microbial transplants; fecal viral transplants; genome-scale metabolic modeling; immune system





an Open Access Journal by MDPI

Editor-in-Chief

Dr. Nico Jehmlich

Department of Molecular
Toxicology, 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 - Q1 (Microbiology (medical))

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