

Special Issue

Diet, Nutrition, and Gut Microbiota

Message from the Guest Editor

This Special Issue is focused on the roles of gut microbes in modulating the effects of human nutrition and dietary components on our health and wellbeing.

We welcome all manuscript submissions that are focused on the interplay of diet and nutrition with the host-associated microbiota, whether that host is human, other vertebrate or invertebrate species, or in vitro community systems. We are happy to consider both primary research articles as well as reviews on the appropriate topic. Especially encouraged are manuscripts that go beyond the description of microbiome changes on different diets and supplement such information with data on the functional consequences of dietary alterations, including profiling metabolic end- and by-products, interrogating gene and protein expression alterations (e.g., metatranscriptomics and metaproteomics), delineating the genetic determinants of microbes' ability to digest and transform dietary components, or providing evidence for the effects of microbiota-derived metabolites on the host.

Guest Editor

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Deadline for manuscript submissions

closed (31 October 2022)



Microorganisms

an Open Access Journal
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Impact Factor 4.2
CiteScore 7.7
Indexed in PubMed



mdpi.com/si/97330

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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.

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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).