

Special Issue

Dialogue of Probiotics with the Host 2.0

Message from the Guest Editors

Probiotics are well-characterized living microorganisms with proven beneficial effects that are safe to use. Besides the terminology, this is one of the most dynamic scientific fields in the area of health and nutrition, which is heavily supported by robust scientific evidence, and where the forefront of omics, bioinformatics and molecular biology techniques has been put to work. Microbiome research works are on their way to overcome classical concepts and they have revealed a number of new bacterial species significantly related to health benefits that are considered the last generation of probiotics. This Special Issue will be dealing with research works on diverse aspects of the interaction between well-established or new—to be appointed—probiotics with the host; this will include well founded contributions, from preclinical research (in vitro or in vivo assays) to human or animal trials. As of this Special Issue, we would like to invite you to submit research articles, review articles and short communications dealing with different aspects of the communication between probiotics and the host.

Guest Editors

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Deadline for manuscript submissions

closed (30 September 2023)



Microorganisms

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



mdpi.com/si/141259

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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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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).