Special Issue

Interactions Between Probiotics and Host

Message from the Guest Editor

As a result of rich microbial biodiversity, a group of beneficial organisms was widely studied. Probiotics are classically characterized as microorganisms that, when administered in adequate amounts, promote the health of their hosts. Through interactions with microbiota and epithelial surfaces, these microorganisms regulate the expression of multiple genes in their hosts, triggering responses that bring the sick body to homeostasis, promoting health and well-being. This Special Issue aims to assemble original research articles and reviews that address interactions between probiotic strains and hosts, highlighting their beneficial effects in different contexts of diseases or dysbiosis-dependent diseases. Research areas may include (but are not limited to) the following: mucosal and non-mucosal microbiota, gastroenterology, neurosciences, dermatology, immunology, and human and animal nutrition. I look forward to receiving your contributions.

Guest Editor

Prof. Dr. Sávio Henrique De Cicco Sandes
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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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Journal Rank:

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).

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