Special Issue

Screening and Functional Evaluation of Antiinflammatory Bacteria Strains

Message from the Guest Editor

Infectious and non-infectious diseases usually lead to inflammatory responses in various tissues and organs in humans and animals, severely affecting the health of the host. A number of microorganisms originating from animals, plants, and soil have been shown to have excellent anti-inflammatory efficacy and are being used in human clinical and animal production in a progressive manner. We welcome manuscripts from, but not limited to the following subtopics:

- Screening and acquisition of anti-inflammatory bacteria strains;
- Ex vivo and in vivo anti-inflammatory characterization of specific bacteria strains;
- Role of anti-inflammatory bacteria strains in animal intestinal health and disease;
- Identification and mechanisms by which metabolites of anti-inflammatory bacteria strains modulate host immunity;
- Anti-inflammatory bacteria strains -intestinal microbiota interactions;
- Potential mechanisms of specific bacteria strains against pathogenic infections based on multi-omics.

Guest Editor

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Deadline for manuscript submissions

closed (31 May 2023)

Microorganisms

an Open Access Journal by MDPI

Impact Factor 4.2
CiteScore 7.7
Indexed in PubMed

mdpi.com/si/155314

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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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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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