

Special Issue

Microbiome-Based Medicinal Products: The Next Frontier in Medicine

Message from the Guest Editor

The recent discovery of the importance of microbiomes in health has revolutionized the way we think about disease management and therapies. As a consequence, a number of microbiome-based medicinal products (MMPs) are now being developed to address a range of diseases. The objective of this Special Issue is to collect state-of-the-art articles that broadly cover the full range of microbiome-derived therapies. These may include original results or reviews discussing the development of any MMPs, such as fecal material transplants, bacterial consortia, single strain live biotherapeutic products, bacteriophages, postbiotics, and generally any molecules targeting human-associated microbiomes. Since many of these therapies rely on precise characterization of microbiome signatures, the collection will also include articles reporting on the development of diagnostic assays. Reflections on manufacturing challenges and the regulatory landscape surrounding the MMP development field are also welcome.

Guest Editor

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Deadline for manuscript submissions

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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).