

Special Issue

Discovering the Human Holobiont: How the Microbiome Affects Human Health

Message from the Guest Editors

This Special Issue focuses on the human holobiont concept, which introduces a new level of complexity to the idea of individuality and, further, allows us to expand our understanding of the relationships between the environment and health. The research into holobionts also raises important questions related to the structure and dynamics of communities living in coral colonies. To understand the holobiont concept fully and to better understand the relationships among its parts, we need to focus on the effect of the entire microbiome of an organism and identify subsets of the microbiome in the potential roles of the superorganisms that shape and structure the microbiomes of holobionts. Potential topics include, but are not limited to, the following:

- the human holobiont;
- the microbiome;
- the environment;
- ecosystems;
- the role of diet;
- future directions;
- exposomes;
- noncommunicable chronic diseases.

Guest Editors

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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).