

Special Issue

State of the Art of Gut Microbiota in Italy (2023, 2024)

Message from the Guest Editor

This Special Issue aims to provide an up-to-date and comprehensive overview of the state of the art of gut microbiota in Italy. We encourage Italian researchers from related fields to contribute papers highlighting the latest developments in gut microbiota, or to invite relevant experts and colleagues to do so. This Special Issue will publish full research articles and comprehensive reviews. The covered topics of interest include but are not limited to the following:

- Structure and function of the microbiota;
- Microbial community genetics, transcriptomics, proteomics and metabolomics;
- Interactions within the microbiota;
- Metabolic interactions with the host;
- Inflammatory diseases;
- Interactions with the immune system;
- Microbial biodegradation of nutrients and xenobiotics;
- Microbial ecology;
- Microbial functions in the different habitats within the gut;
- Metabolic flux analysis;
- Analysis of functionalities via stable isotope probing (DNA, RNA and protein);
- Model systems for studying microbiome biology;
- Novel technologies for the analysis of the structure and function of the microbiota.

Guest Editor

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Deadline for manuscript submissions

closed (15 November 2024)



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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).