

Special Issue

Gut Microbiome and Children's Health

Message from the Guest Editors

The role of the gut microbiome in health and disease reveals the potential link between the gut microbiome composition and diseases such as irritable bowel syndrome (IBS), Crohn's disease, and celiac disease in humans. Children or young adults are considered an understudied population, although several gastrointestinal diseases develop in childhood and progress with age. This justifies the necessity of exploring the gut microbiome in children to address the problem before it worsens. To better understand the impact of gut microbiota alterations in children or young adults, we propose this Special Issue of *Microorganisms*, which will cover gut microbiome alterations in different gastrointestinal diseases, bacterial dysbiosis in the gut microbiome of children, the role of different interventions in improving or altering gut microbiome composition, and the brain–gut axis. The interventions studied can include diet modifications, medications, integrative and complementary medicine approaches, pre- and probiotics consumption, and others. We welcome original research articles, reviews, and clinical trials.

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 20 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the second half of 2025).