Special Issue

Microbiota and Gastrointestinal Diseases

Message from the Guest Editor

The gastrointestinal (GI) tract hosts a diverse ecosystem of commensal microorganisms known as the gut microbiota, encompassing bacteria, fungi, archaea, and protozoa. This microbiota co-evolves with its host, engaging in critical immunogenic and metabolic interactions essential for health maintenance. However, disruptions in this symbiotic relationship, called dysbiosis, can precipitate various GI disorders including inflammatory bowel disease, colon cancer, celiac disease, and irritable bowel syndrome (IBS). This Special Issue aims to investigate how microbiota alterations contribute to disease progression and offers insights into how maintaining microbiota homeostasis can aid in managing GI diseases. As , we invite contributions of research articles, reviews, and short communications that focus on microbiota-related aspects of gastrointestinal diseases. These contributions will enhance our understanding of dysbiosis mechanisms and explore therapeutic approaches aimed at restoring microbiota balance for improved patient outcomes. We look forward to receiving your contributions. Best regards,

Guest Editor

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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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