

Special Issue

Respiratory Diseases and Microbiome Dysbiosis

Message from the Guest Editors

Respiratory disorders encompass a variety of conditions that affect lung function and breathing. The airway microbiome consists of various microorganisms, such as bacteria, fungi, and viruses, that play a crucial role in respiratory health by protecting against pathogens and regulating immune responses. Research has shown that imbalances in this microbial community (dysbiosis) can disrupt homeostasis, further complicating respiratory infections and chronic diseases.

This Special Issue aims to highlight the dynamics of the microbiome in respiratory diseases and set a rational basis for personalized strategies to improve patient health. To this end, we invite authors to submit research articles, reviews, or case reports on a wide range of topics related to microbiome dysbiosis, host–microbiome interactions, and microbiota-targeting therapeutics in the context of respiratory disorders.

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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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