

Special Issue

Airborne Microbial Communities

Message from the Guest Editors

This Special Issue aims to elucidate the complex dynamics and implications of airborne microbial communities, encompassing a spectrum of organisms such as bacteria, fungi, algae, archaea, and viruses. The influence of these airborne microbes is multifaceted, extending to human and animal health, agricultural productivity, ecosystem stability, and climatic processes. Current research underscores the variation in outdoor airborne microbial communities as a function of seasonal changes, geographic variability, and air pollution levels. Additionally, the composition of indoor microbial communities is influenced by a variety of factors including ambient temperature, humidity levels, ventilation systems, occupant density, and the influx of microbes from outdoor environments. The objective of this Special Issue is to showcase cutting-edge research that advances our understanding of the composition, diversity, and abundance of microbial communities in the air, as well as their impacts. We welcome original research articles, comprehensive review papers, and succinct communications that contribute to the knowledge of monitoring, managing, and mitigating airborne microbial communities.

Guest Editors

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Deadline for manuscript submissions

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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.

Editor-in-Chief

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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).