

Special Issue Register Form

Special Issue information (Please confirm the title and submission deadline)

Journal	<i>[Microorganisms]</i> (IF: 4.5, ISSN 2076-2607)
Special Issue Title	Advances in Bioaerosols

Special Issue Editor (Please confirm your information below)

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Research Interests Keywords	Bioaerosol, microalgae, wastewater treatment,		
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Research Interests Keywords	Organic chemistry, bioaerosol, indoor microorganisms.		

Special Issue Introduction

You could refer to some examples:

Dear Colleagues,

Bioaerosols originate from biological processes and are among the most widely used aerosols that have been investigated. They can play crucial roles in natural, environmental, agricultural, industrial, and human health processes and significantly contribute to public health effects by triggering allergies and infectious diseases. Bioaerosols may also be involved in global elemental cycles, atmospheric chemistry, and cloud and precipitation processes, potentially playing a significant role in the global climate. The study of bioaerosols is highly complex despite their long history and extensive impact; numerous important questions pertaining to bioaerosols remain unanswered. Key challenges in bioaerosol research include its multidisciplinary nature, encompassing not only aerosol science, microbiology, atmospheric science, physics, chemistry, and engineering but also requiring knowledge in building science, ventilation systems, and human dynamics analysis as well as expertise in public health, infectious diseases, agriculture, climate change, and countless other scientific disciplines.

The development of high-throughput sequence technologies, such as the single-molecule nanopore DNA sequencing from Oxford Nanopore Technologies and single-molecule real-time from Pacific Biosciences, has opened new avenues for understanding the microbial community. Therefore, we invite you to consider submitting your research focusing on relevant new technologies or insights for publication in this Special Issue of *Microorganisms*.

Keywords (5-10): bioaerosol; bacteria; fungi; pollen; algae; environment health; climate