Special Issue

Bioaerosol Composition and Measurement

Message from the Guest Editor

Bioaerosols are an integral class of aerosol. However, their composition and properties, as well as their long- and short-term variability, are poorly understood. The purpose of this Special Issue is to publish information about the composition of bioaerosols and their properties, as well as methods for measuring these properties. This Special Issue will feature articles on:

- The study of the biodiversity of culturable and non-culturable microorganisms of various kingdoms as well as plant pollen by traditional methods and modern molecular biological methods;
- The use of biomarkers for the study of bioaerosols;
- Determination of the composition of organic compounds and their variability in bioaerosols under various conditions;
- Relationship of bioaerosols' characteristics with their sources and changes in these characteristics during the propagation of bioaerosols in the environment.

This Special Issue will also present articles devoted to more special, but no less important, topics on the ice-nucleating properties of bioaerosols, the determination of the infectivity of various bioaerosols for laboratory animals, and other topics.

Guest Editor

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Deadline for manuscript submissions

closed (15 January 2024)

Atmosphere

an Open Access Journal by MDPI

Impact Factor 2.3
CiteScore 4.9

mdpi.com/si/132776

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About the Journal

Message from the Editor-in-Chief

Continued developments in instrumentation and modeling have driven atmospheric science to become increasingly more complex with a deeper understanding of concepts, mechanisms, and interactions. This is the field that innovation built and it has led to a better appreciation for the complexity with atmosphere. Human life is intertwined in this complexity as we strive to better understand our atmosphere. Climate change is constantly stretching the limits of our thinking and forcing new ideas and concepts to be played out. Welcome to the Anthropocene!

Editor-in-Chief

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