

Special Issue

Health Effects and Exposure Assessment to Bioaerosols in Indoor and Outdoor Environments

Message from the Guest Editor

Air pollution, a by-product of economic growth, has an enormous environmental cost. The issue of healthy living spaces and good air quality is a global concern because people inhale 15,000 L of air every 24 h. Thus, monitoring and reducing exposure to air pollutants present particular challenges. One of the crucial indicators of indoor and outdoor air quality is bioaerosols. They play an instrumental role as risk factors of adverse health outcomes. These indicators, also known as primary biological airborne particles (PBAPs), have been linked to various health effects such as infectious diseases, toxic effects, allergies, and even cancer. PBAPs include all particles with a biological source in suspension in the air (bacteria, fungi, viruses, pollen), as well as biomolecules (toxins, debris from membranes). This Special Issue offers an opportunity to publish articles on the characteristics of biological aerosols in indoor and outdoor environments, the methods used to improve microbiological air quality, as well as health effects of and exposure assessment to bioaerosols.

Guest Editor

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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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