Special Issue

Bioaerosol Exposure and Its Risk Assessment

Message from the Guest Editor

The recent COVID-19 pandemic has raised widespread concern about the importance of biological aerosols. These are atmospheric aerosol particles of biological origin, which mainly contain bacteria, fungi, viruses, pollen, and cell debris. Bioaerosols can significantly affect ecosystems, climate change, air quality, and human health. The human health consequences of exposure to biological aerosol particles may represent the final stage of the related cause-effect sequence. These particles can have many adverse health effects, ranging from allergic reactions to infections, toxic reactions, and other non-specific symptoms e.g. 'sick building syndrome' (SBS) or 'mucous membrane syndrome' (MMS). The topic of this Special Issue may be useful in establishing appropriate standards and limit values for bioaerosols and could be exploited in the future to minimize human health hazards. This Special Issue offers an opportunity to publish articles on the characteristics of microbiological air quality, the methods used to remove biological air pollutants, and the health effects associated with exposure to bioaerosols.

Guest Editor

Prof. Dr. Ewa Brągoszewska

Department of Technologies and Installations for Waste Management, Silesian University of Technology, 18 Konarskiego St., 44-100 Gliwice, Poland

Deadline for manuscript submissions

closed (18 February 2024)

Atmosphere

an Open Access Journal by MDPI

Impact Factor 2.3
CiteScore 4.9

mdpi.com/si/182295

Atmosphere
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
atmosphere@mdpi.com

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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

Dr. Daniele Contini
Institute of Atmospheric Sciences and Climate (ISAC), National Research Council (CNR), Str. Prv. Lecce-Monteroni km 1.2, 73100 Lecce, Italy

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