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Atmospheric Bioaerosols: Detection, Characterization and Modelling

Guest Editors:

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Dr. Eoin McGillicuddy

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Prof. Dr. John R. Sodeau

Deadline for manuscript submissions:
closed (2 February 2024)

Message from the Guest Editors

We invite you to consider submitting your research for publication in this Special Issue of Atmosphere, entitled "Atmospheric Bioaerosols: Detection, Characterization and Modelling". The aim is to communicate a selection of papers on the current state of field, laboratory and modeling/forecasting studies relevant to atmospheric bioaerosol loading and ambient interactions.

Current issues related to real-time pollen, fungal spore and bacteria monitoring and networking systems; the development of innovative bioaerosol sensors; the influence of climate change on PBAPs loadings; bioaerosols within occupational settings both indoors and outdoors (e.g., hospitals or green waste sites); surface phenomena and reactions; the relevance of real-time measurements to ice nucleation, cloud condensation nuclei and other climate change issues; modelling and forecasting of bioaerosols.

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Editor-in-Chief

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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!

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