Special Issue

Air Quality and Its Impacts on Public Health

Message from the Guest Editors

Air pollution impacts human health, being one of the leading causes of morbidity worldwide, with the most vulnerable populations suffering the most from these health impacts. The consequences on human health depend on air quality, which is influenced by meteorological factors, concentrating or dispersing atmospheric pollutants. Therefore, the use of tools to assess risks and health impacts is important for guiding public policies. Furthermore, the use of mathematical models to simulate scenarios is also relevant for managers making decisions to make cities more sustainable.

- This Special Issue seeks to gather research papers that discuss the influence of climate variability and change on air quality and, consequently, on human health.
- Research papers that use modeling tools to simulate scenarios to show the influence of climate variability on air quality and its impacts on health are also welcome.
- Understanding how air quality can be affected by climate change contributes to understanding the risks and impact on human health.
- Furthermore, identifying populations most vulnerable to these risks can aid in monitoring and adopting mitigation measures in public health.

Guest Editors

Dr. Paula Ramires
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Prof. Dr. Kai-Jen Chuang

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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!

Editor-in-Chief

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