Special Issue

Climate Changes, Air Quality and Human Health in South America

Message from the Guest Editors

In recent years, several studies have been carried out addressing problems related to air pollution and human health. Advancements in computational techniques, data acquisition systems, and biometeorology have enabled a better understanding of the relationship between climate change, air pollution, and human health. However, due to the complexity of atmospheric dynamics and the rapid progression of climate change, it is increasingly necessary to conduct studies that help understand how and how much such processes can affect human health. We welcome papers on topics including, but not limited to, the following:

- The influence of air pollution on human health;
- The relationship between air quality and respiratory diseases;
- Models that perform air quality index predictions;
- The correlation between surface data, remote sensing data, and air quality;
- Signal processing for pollutant detection.
- Air risk assessment and public health
- Air Pollution detection and monitoring
- Emerging air pollutants
- Air pollution, climate and infectious diseases
- Climate change, water changes and human health
- Climate action SDG13
- Disaster and climate change

Guest Editors

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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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