Special Issue

New Insights into Human Health by Air Quality Modeling, Simulation, and Observation

Message from the Guest Editors

Air quality is of great importance to environmental safety and human health. In each year, both indoor and outdoor air pollution are thought to contribute to millions of premature deaths around the world. Despite the increased attention being paid to the risks associated with air pollution, there still remain significant challenges and gaps in our understanding of scientific issues such as air quality control, carbon emissions and monitoring, and the assessment of the global carbon cycle via both remote sensing observations and modeling. Here, to improve our scientific knowledge of air quality control, air pollution simulation and the assessment of the carbon cycle via both observations and modeling, we present this Special Issue entitled “New Insights into Air Quality and Health” in the journal Atmosphere. Any papers related to air quality simulation, air quality control, air pollution simulation, atmospheric dispersion, carbon flux and transport (especially for CO2, CH4, and CO), and the assessment of the carbon cycle via both remote sensing observations and modeling are warmly welcomed for submission to this Special Issue.

Guest Editors

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Dr. Hua Shao

Deadline for manuscript submissions

closed (31 December 2023)

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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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