Special Issue

Air Quality Prediction and Modeling

Message from the Guest Editor

Air quality forecasting has become a major issue over the years. The societal demand to know the quality of the air that citizens breathe is constantly increasing. Thus, the modeling of atmospheric composition and forecasting systems have appeared worldwide. We call for contributions to quantify these impacts, which are essential to improve air quality modeling and develop more efficient forecasting platforms. Here are some examples of potential topics: 1) Estimating the impact of different physical processes on air quality;
2) Improving the meteorological dependence of anthropogenic emissions used as input to air-quality forecasting models;
3) Validating new forecasting platforms;
4) Improving air quality models' response to socio-economic changes.

Guest Editor

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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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