Special Issue

Air Quality Monitoring and Forecasting

Message from the Guest Editors

Air quality forecast is a tool for air quality managers. Air quality monitoring is a tool to evaluate air quality forecasts and derive air pollutant impact trends. Epidemiologists use both to understand air pollution related diseases. This Special Issue looks at these tools individually and collectively. Air pollution is a global problem. Air quality forecasts, monitoring and mitigation should be conducted with global partners. The trans-continental, and rapidly changing chemical and emission characteristics provides motivation to contribute articles on observation, modeling and policy-relevant studies in air quality monitoring and forecasting for regional and global applications. We welcome studies related to observation and forecast modeling for emission, transport, transformation, removal and the fate of air pollutants and their impact on human health and the environment. Articles on chemical analysis and air quality forecasting performance evaluation are also encouraged.

Guest Editors

Dr. Pius Lee
Dr. Rick Saylor
Dr. Jeff McQueen

Deadline for manuscript submissions

closed (30 June 2017)

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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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