Special Issue

Advances in Air Quality Monitoring

Message from the Guest Editors

Works that comprehensively assess model performance are still lacking, especially those operating in the presence of data and model parameter uncertainties, etc. The aim of this Special Issue is to promote recent advances in air quality monitoring and forecasting techniques. The topics cover a range of research topics, including but not limited to: * air quality models – for indoor and outdoor environments; * high-resolution sensors for monitoring and modelling air quality data; * methods for prediction and assessment of air quality; * scalable and distributed machine learning models in large-scale spatial–temporal air quality forecasting; * machine learning models for air quality data and mobility data association; * machine learning models for air quality cleaning and outlier detection; * machine learning solutions for low-cost air quality sensors, etc.; * machine learning solutions for urban and rural area air quality monitoring; * other related sub-areas.

Guest Editors

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Deadline for manuscript submissions

closed (30 September 2022)

Atmosphere

an Open Access Journal by MDPI

Impact Factor 2.3
CiteScore 4.9

mdpi.com/si/114169

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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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