Advances in Air Quality Monitoring

Guest Editors:

Dr. Peng Wang

Dr. Lyudmila Mihaylova

Dr. Khan Alam

Prof. Dr. Muhammad Fahim Khokhar

Prof. Dr. Liangxiu Han

Dr. Yaxing Du

Deadline for manuscript submissions:
closed (30 September 2022)

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.

mdpi.com/si/114169

Special Issue

Editor-in-Chief

Prof. Dr. Ilias Kavouras
Environmental, Occupational, and Geospatial Health Sciences, CUNY School of Public Health, New York, NY 10027, USA

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!

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, GeoRef, Inspec, CAPlus / SciFinder, Astrophysics Data System, and other databases.
Journal Rank: CiteScore - Q2 (*Environmental Science (miscellaneous)*)

Contact Us