Special Issue

Advances in Urban Air Pollution Measurements and Control

Message from the Guest Editor

Air pollution is a major environmental issue across the world. The aim of this Special Issue is to provide an overview of recent advances in air quality monitoring and control that includes the design, development, and application of advanced monitoring systems as well as challenges.

We invite researchers to contribute original high-quality research articles, as well as review articles, dealing with recent advances in air quality monitoring and control. Original research articles evaluating air quality models and health effects using data from advanced air quality monitoring are also encouraged.

Topics of interest include but are not limited to the following:

- Technology advancement, tests, performance, validation, control, benefits, and challenges related to advanced air quality monitoring;
- Applications of advanced air quality monitoring in both indoor and ambient air quality assessment;
- Advanced air quality monitoring in personal exposure studies;
- Applications of advanced air quality monitoring in air quality models and health impact assessment;
- Advanced sensor applications for air quality assessment.

Guest Editor

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Deadline for manuscript submissions

closed (21 January 2022)

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Impact Factor 2.3
CiteScore 4.9

mdpi.com/si/93810

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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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