Special Issue

Remote Sensing Applications for Urban Air Quality Research: The Continuing Challenge

Message from the Guest Editor

Remote-sensing assessments from satellite instruments have become increasingly important for assessing ground or tropospheric conditions. These methods have evolved rapidly over the past 10 years, with numerous applications relevant to environmental and public health. In this Special Issue we would like to provide a state-of-the-art synthesis of these methods and their applications for sensing ground-level conditions. Potential topics include, but are not limited to:

- Air monitoring
- Green space assessment
- Traffic assessment
- Data sufficiency for air quality monitoring using wide range of measurements
- Sources of air pollution
- Passive and active sensing of air pollution
- Human exposure
- Urban heat island vs air pollution

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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