Special Issue

Advanced Research on Anthropogenic Pollutant Emission Inventory

Message from the Guest Editors

This Special Issue aims to collect updated research on anthropogenic pollutant emission inventories. Emission inventories, as the foundation input data for chemical transport and dispersion models, are essential for quantifying impacts on air quality and human health, formulating control policies, etc. Topics of interest for this Special Issue include, but are not limited to, the following:

- Emission characteristics of various emission sources;
- High-resolution emission inventories with information on spatial distributions, temporal variations, and chemical speciation;
- Local emission factors and refined whole-process emission inventories;
- Evaluation and verification of emission inventories, including satellite-based and in situ observations;
- Applications of emission inventories, including air quality, health, or economic impacts.

Guest Editors

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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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