

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

Dr. Xiaojia Chen

School of Environment and Architecture, University of Shanghai for Science and Technology, Shanghai 200093, China

Prof. Dr. Yinchang Feng

State Environmental Protection Key Laboratory of Urban Ambient Air Particulate Matter Pollution Prevention and Control & Tianjin Key Laboratory of Urban Transport Emission Research, College of Environmental Science and Engineering, Nankai University, Tianjin 300350, China

Deadline for manuscript submissions

closed (9 June 2025)



Atmosphere

an Open Access Journal
by MDPI

Impact Factor 2.3
CiteScore 4.9



mdpi.com/si/198272

Atmosphere
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
atmosphere@mdpi.com

[mdpi.com/journal/
atmosphere](https://mdpi.com/journal/atmosphere)





Atmosphere

an Open Access Journal
by MDPI

Impact Factor 2.3
CiteScore 4.9



[mdpi.com/journal/
atmosphere](https://mdpi.com/journal/atmosphere)



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

Dr. Daniele Contini

Institute of Atmospheric Sciences and Climate (ISAC), National Research Council (CNR), Str. Prv. Lecce-Monteroni km 1.2, 73100 Lecce, Italy

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))