



Transport Emissions and Their Environmental Impacts

Guest Editors:

Prof. Dr. Yan Zhang

Department of Environmental
Science and Engineering, Fudan
University, Shanghai 200433,
China

Dr. Volker Matthias

Helmholtz-Zentrum Hereon,
21502 Geesthacht, Germany

Dr. Jana Moldanova

IVL Swedish Environmental
Research Institute, 11428
Gothenburg, Sweden

Message from the Guest Editors

This Special Issue is associated with the joint international scientific conference on Transport and Air Pollution and Shipping and the Environment. It aims to promote scientific and technical communications in the fields of transport emissions and related atmospheric processes. Original results with respect to the quantification and modelling of transport emissions, modeling of air pollution and its impacts, field and laboratory observations and review papers related to transport emissions are all welcome contributions.

Topics of interest for this Special Issue include but are not limited to:

- Transport emission inventories (road, ship, rail, aviation and mobile machinery) and estimation methodologies;
- Monitoring techniques for transport emissions;
- Impacts of transport emissions on air quality and atmospheric chemistry at the local to global scales;
- Interactions of transport emissions with other sector sources;
- Impacts of transport emissions on human health, marine and terrestrial ecosystems and climate change;
- Comprehensive impacts of policies for transport emission reductions, particularly regarding new fuels and greenhouse gas reductions.

Deadline for manuscript
submissions:

30 June 2024



mdpi.com/si/190255

Special Issue



an Open Access Journal by MDPI

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

Atmosphere Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/atmosphere
atmosphere@mdpi.com
[X@Atmosphere_MDPI](https://twitter.com/Atmosphere_MDPI)