Special Issue

Traffic Related Emission

Message from the Guest Editor

Globally, traffic-related emissions play a critical role in contributing to local air pollution issues. Applications of cleaner fuels and emission control devices have largely alleviated the problem. However, toxic pollutants (ammonia, benzene, smaller exhaust particles, etc.), concerns over secondary contamination via atmospheric reactions, and life-cycle emission reduction capabilities. The non-road sector is another source of air pollution. In addition to engine emissions, non-exhaust emissions, primarily brake and tire particles from motor vehicles and rails, have been considered for future legislation. The scope of this Special Issue covers a wide range of traffic-related emission research on motor vehicles, non-road equipment and engines, and non-exhaust particles. Original research reporting the cutting-edge technologies in emission control and fuel, life-cycle assessment of carbon footprint, and forthcoming emission regulations with experimental data support are highly appreciated. Model-based simulation with insufficient verification and validation will not be considered for publication in this Special Issue.

Guest Editor

Dr. Xin Wang

School of Mechanical Engineering, Beijing Institute of Technology, Beijing 100081, China

Deadline for manuscript submissions

closed (20 April 2023)

Atmosphere

an Open Access Journal by MDPI

Impact Factor 2.3
CiteScore 5.4

mdpi.com/si/117391

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

mdpi.com/journal/atmosphere

Atmosphere

an Open Access Journal by MDPI

Impact Factor 2.3
CiteScore 5.4

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))

MDPI