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Measurement and Modeling of Road Transport Emissions: Recent Trends, Current Progress, and Future Perspectives

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Deadline for manuscript submissions:
closed (1 September 2023)

Message from the Guest Editors

Emission models have rapidly evolved in recent years to provide useful tools for emission inventory applications, and evaluation of transport policies and measures.

Considering the current and future increase of the share of newer vehicle technologies in road transport, both measurements and modeling tools will continue to be extremely useful for emission trends analysis, emission control technology assessment, emission inventories development, as well as for new emission regulations adoption.

The journal Atmosphere dedicates this Special Issue (SI) to showcase the most recent findings on road transport emissions studies. This SI is open for submissions of original research studies, review, and perspective articles. Laboratory investigation, real world measurements, and modeling studies are all highly welcome. The topics of interest include, but are not limited to:

- Real world measurements of in-use and newer technologies;
- In-use emission monitoring methods;
- Laboratory tests;
- Development and application of modeling tools.

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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!

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