



Traffic Related Emission and Control

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Message from the Guest Editor

Dear Colleagues,

Road transport emissions in urban areas have attracted more attention recently. The traffic-related air pollution is a primary source of exposure in urban areas and has detrimental health impacts. Urban vehicle traffic contributes significantly to CO₂, NO_x, VOC, PM, and non-combustion emissions worldwide. The purpose of the current special issue is to provide a platform for the dissemination to cover promising, contemporary, and novel technologies and application designs for reducing traffic-related emissions. Original research, review papers, and theoretical studies validated with experimental studies are welcomed.

The following area of interest include, but are not limited to:

- Optimization methods and control strategies to reduce exhaust and traffic emissions
- Machine or deep learning to predict or manage the emission flow of transportation system
- Control of exhaust and traffic emissions
- Carbon footprint life-cycle assessment
- Measurement, prediction, and simulation techniques related to exhaust or traffic emissions
- Environmental impacts of hybrid and electric vehicles





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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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