

Special Issue

Traffic-Related Emissions

Message from the Guest Editor

Road transport emissions in the urban environment have recently received increased scholarly attention for a number of reasons. Firstly due to failures to reach environmental targets, especially for NO_x, and secondly, because new emission standards are scheduled for introduction around the world that will potentially create conflicts with greenhouse gas targets. Scholarly attention is also being given to new testing techniques and measurement methods for a wider range of pollutants. There is a need to characterize the number of particles and the ammonia and nitrous oxide emissions produced by vehicles with advanced emission control systems under real driving emission conditions, in addition to long-regulated air pollutants. Finally, the mix of vehicles is changing with the inclusion of alternative and improved fuels, new combustion and emission control methods and the introduction of electrified vehicles. This Special Issue aims to collect contributions in any of these areas, involving measurement or simulation techniques, with the aim of providing new insights into the future challenges of traffic-related emissions.

Guest Editor

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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

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