

Special Issue

Air Quality Impacts of Vehicle Emissions

Message from the Guest Editor

This Special Issue will discuss our current understanding of how emissions from on-road and off-road vehicles impact air quality. Original research and review papers are invited in the following areas:

- Development and application of assessment tools: emission inventories, air quality models, source attribution models, and LCA models.
- Air quality monitoring trends: How much improvement has occurred? What are the pollutants of greatest concern? When and where are they found?
- Effectiveness of vehicle emission controls: durability, real-world assessments, I&M programs, tampering, etc.
- Role of fuels: fossil, non-fossil, renewable, low-carbon, hydrogen, electricity, etc.
- Prospects for advanced-technology vehicles: How much more improvement is possible? What connections exist between GHG emission reductions and air quality?

Guest Editor

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Deadline for manuscript submissions

closed (25 September 2021)



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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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