



Air Quality Impacts of Vehicle Emissions

Guest Editor:

Prof. Dr. S. Kent Hoekman

Desert Research Institute, Reno,
NV 89512, USA

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:

Deadline for manuscript
submissions:

closed (25 September 2021)

- 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?



mdpi.com/si/78061

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Ilias Kavouras

Environmental, Occupational,
and Geospatial Health Sciences,
CUNY School of Public Health,
New York, NY 10027, USA

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!

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)*)

Contact Us

Atmosphere Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/atmosphere
atmosphere@mdpi.com
[X@Atmosphere_MDPI](https://twitter.com/Atmosphere_MDPI)