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# Engine Emissions and Air Quality Effects

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Deadline for manuscript submissions:
**closed (21 November 2023)**

## Message from the Guest Editors

The impact of engine emissions on air quality has become a significant topic of concern in recent years. A recent study from Harvard University found that more than 8 million people died in 2018 from fossil fuel pollution. This death rate is higher than what previous studies have found. Air pollution from burning fossil fuels, such as diesel, was responsible for around 1 in 5 deaths worldwide in 2018. In this context, different transportation sectors have focused on developing different technologies to reduce emissions linked to fossil fuels. One of the principal means to achieve this has been the development of stricter normative links to fuels and the development of sustainable fuels that lead to a reduction in emissions. The objective of this Special Issue is to build a collection of state-of-the-art studies in the field of impact on air quality of engine emissions of different transport sectors, including automobile, ships, and aircraft. Submissions may focus on how constant the impact of these emissions is or on exploring the impact of the evaluation of different measures adopted by a sector to reduce emissions, such as sustainable fuel development.

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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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