Special Issue

Transport GHG Emissions

Message from the Guest Editors

The transportation sector is the second-largest contributor to global greenhouse gas emissions. The complexities of tracking transportation emissions make it equally challenging to reduce them. Therefore, studying transportation-related greenhouse gas emissions is crucial. The rapid adoption of new technologies like electric and hydrogen fuels in the transportation sector poses additional challenges for researchers. While Paris Agreement commitments provide clear pathways for emission reduction, the potential impact of newer strategies remains uncertain, necessitating modifications to these strategies. To address these challenges, more scholarly research is needed to understand the complex interactions within the transportation sector and develop effective solutions. This Special Issue invites contributions in any of these areas, including modeling and innovative strategies to reduce greenhouse gas emissions from the transportation sector. We are particularly interested in research that explores the impact of electric, hydrogen, and other low-carbon transportation modes, with the aim of addressing future challenges in reducing transportation-related emissions.

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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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