



## Sustainable Progress and Investigation of Alternative Fuels in Hard-to-Electrify Transportation Sectors

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### Message from the Guest Editors

Dear Colleagues:

To address the issue of climate change and achieve a carbon neutral economy, we must eliminate the majority of greenhouse gas (GHG) emissions from all sectors. The transportation sector accounts for a major share of global GHG emissions as it depends heavily on petroleum fuels. In particular, emissions from hard-to-electrify contributors, including heavy-duty vehicles, aviation, and maritime, make decarbonization more challenging. The utilization of sustainable fuels in order to replace petroleum fuels could facilitate the decarbonization of these contributors during the transition toward net zero emissions.

Research areas may include (but are not limited to) the following:

- Fundamental combustion characteristics of alternative fuels;
- Combustion and emissions of engines fueling with alternative fuels;
- Life cycle assessment (LCA) and techno-economic assessment (TEA) of alternative fuels for heavy-duty vehicles, aviation, and maritime applications.

I/We look forward to receiving your contributions.

Dr. Xiaochen Wang

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## Message from the Editor-in-Chief

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