Special Issue

Numerical and Experimental Study of Alternative Fuel Combustion in Internal Combustion Engines

Message from the Guest Editor

With this Special Issue, we aim to publish high-quality research papers and review articles focusing on combustion processes involving alternative fuels in internal combustion engines. Topics of interest include advances in the modeling and experimental analysis of combustion, with an emphasis on improving fuel conversion efficiency and reducing pollutant emissions. Further topics of interest for this Special Issue include, but are not limited to, the following:

- Numerical simulation of combustion processes and performance in ICEs using alternative fuels.
- Experimental studies on ICE performance with biofuels, e-fuels, hydrogen, alcohol fuels, and other sustainable fuels.
- Pollutant formation mechanisms and emission reduction technologies.
- Comparative studies of alternative fuels and their impacts on engine performance and emissions.

We invite authors to contribute original research papers that align with these themes to advance our knowledge and the application of alternative fuels in ICEs. We look forward to receiving your valuable contributions to this exciting and impactful field.

Guest Editor

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Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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