

Special Issue

Emission Reduction Technologies: Combustion Efficiency, Alternative Fuel and Hybrid Vehicle

Message from the Guest Editor

This Special Issue welcomes, but is not limited to, the following topics: **Improved combustion efficiency and waste heat recovery:** The Special Issue will welcome research on advanced combustion strategies, the optimization of in-cylinder processes, and novel waste heat recovery technologies—such as ORC systems or turbo-compounding—that aim at improving overall fuel utilization and reducing regulated and unregulated emissions. **Alternative and low-carbon fuels, including bioethanol:** We will highlight studies focused on the development, characterization, and practical implementation of low-carbon fuels. This includes sustainable aviation fuels, advanced biofuels, and bioethanol blends, with emphasis placed on their combustion behavior, emission profiles, and lifecycle performance. **Hybrid vehicle innovations:** The scope will also encompass hybrid powertrain advancements that reduce fossil fuel dependency, improve energy management, and mitigate environmental impacts. Contributions addressing optimization algorithms, battery–engine interactions, and real-world energy efficiency are particularly welcome.

Guest Editor

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About the Journal

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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