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Alternative and Sustainable Fuels in the Transport Sector: The Challenge of Decarbonization

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Deadline for manuscript
submissions:

closed (15 September 2022)

Message from the Guest Editor

Dear Colleagues,

Transport accounts for a quarter of the EU's greenhouse gas emissions, and numbers are growing. In order to achieve climate neutrality, a 90% reduction in transport emissions is needed by 2050. Road, rail, aviation, and waterborne transport will all have to contribute to the reduction. Alternative and sustainable fuels such as hydrotreated fuels, biofuels, renewable natural gas, hydrogen, are possible pathways to reduce the negative impacts of both passenger and freight transport on human health and on the environment.

This Special Issue aims to collect original research or review articles on different alternative/sustainable fuels used in the transport sector (road, aviation, maritime), with emphasis on their demonstrated impact on reducing emissions but also investigating the limitations of such fuels. Investigation on the impact on non-regulated emissions and on well-to-wheel emissions will also be considered.



mdpi.com/si/83883

Special Issue



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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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