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Advances in Fuels and Energy Conversion

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Message from the Guest Editors

Fulfilling the ever-increasing energy demands of society and doing so with environmental and climate protection has initiated the process of decarbonization—the removal of net carbon dioxide emissions from the energy supply chain. Some existing combustion systems that utilize hydrocarbon fuels are expected to be equipped with carbon capture and storage (CCS) installations, realized with different technologies.

Electrification of light duty vehicles is likely to replace the internal combustion engines in the majority of cases, in some sectors, engines and hybrid systems are very likely to continue to be used for many years. Sectors that are likely to continue to use combustion engines include the stationary power and power back industry where gas turbines and internal combustion engines running on flexible fuels will be popular. Other carbon intense sectors, such as waste utilization plants and other relevant processes, provide researchers with challenging tasks.

All these trends that we observe are reflected in various studies we would like to present in the current Special Issue of *Energies* to highlight some selected aspects of advances in energy and fuels.



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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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