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Thermochemical Conversion for Energy Production

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Message from the Guest Editors

Dear Colleagues,

This Special Issue is devoted to processes and systems using thermochemical conversion of fuels, including combustion, gasification, pyrolysis, torrefaction, and hydrothermal conversion. Efficient processing of various fuels is one of the most crucial problems in energy and chemical engineering, and studies in this field are motivated by technical, economic, and environmental factors. Organic fuel is still the main energy source today, and it will be for a long time to come. Besides well-known processes, new, efficient methods of thermochemical conversion have been developed, such as chemical looping cycles, catalytic conversion, oxy-fuel conversion, solar-driven conversion, and electrochemical conversion.

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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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