Special Issue

Combustion of Alternative Fuels

Message from the Guest Editor

Decarbonizing various sectors using alternative fuels instead of fossil fuels is one of the significant challenges of transitioning to a net zero-carbon era. Therefore, it is necessary to consider several scenarios and propose options with higher possibilities and viability for further consideration. In this regard, understanding the combustion process of such fuels throughout different combustion regimes is critical in applying the fuels in practical applications. Hence, further experimental and numerical studies in the field are required to bring the proposed low-emission fuels to the market. Therefore, deep-diving into further understanding the physico-chemical characteristics of the fuels in all gaseous, liquid, and solid forms is essential in terms of evaluating heat transfer characteristics, ignition, combustion, explosion, and safety issues for future industrial applications. The keywords of our Special Issue include but are not limited to:

- combustion
- turbulence
- chemistry
- low carbon fuels
- zero carbon fuels

Guest Editor

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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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