Special Issue

Future Fuel Technologies and Advanced Research on Turbulent Combustion

Message from the Guest Editor

To achieve carbon neutrality, future fuels will increasingly shift towards low-carbon and zero-carbon alternatives, including hydrogen, ammonia, methanol, and biomass fuels. Novel combustion technologies should be developed to suit this major change from conventional fossil fuels to green alternatives. Most practical combustion devices display turbulent combustion processes, firing both fossil and green fuels. A better understanding of the characteristics of turbulent combustion will be beneficial to the design and optimization of novel combustion devices firing various alternative green fuels. This Special Issue aims to present recent advances in combustion technology for alternative green fuels, including theoretical, numerical, and experimental studies on the turbulent combustion of either fossil or green fuels.

Guest Editor

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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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