Special Issue

Combustion Characteristics of Cleaner Fuels 2022

Message from the Guest Editor

In meeting up with the clean energy requirements in the transportation and power generation sectors there will still be prospects for combustion systems. Combustion systems such as the internal combustion engines can also be combined with electric drives for heavy duty applications in the transportation sector. In ensuring quality health and safer environment, cleaner fuels such as biofuels made from feedstocks such as agricultural residues, municipal wastes and used cooking oil are expected to play vital role in emission reductions in combustion systems. These feedstocks have high prospects in producing biofuel sustainably without competition with food production. Furthermore, hydrogen and ammonia (hydrogen carrier) also have huge prospects as zero carbon in the reduction of emissions in combustion systems. The purpose of this special issue is to investigate and understand the performances and combustion characteristics of low and zero carbon fuels such as biofuels, hydrogen and ammonia in combustion systems like internal combustion engine and gas turbine.

Guest Editor

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Deadline for manuscript submissions

closed (5 September 2023)

Energies

an Open Access Journal by MDPI

Impact Factor 3.9
CiteScore 8.3

mdpi.com/si/126615

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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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