Special Issue

Low-Carbon Fuel Combustion from Fundamentals to Applications

Message from the Guest Editors

Dear Colleagues, For future sustainability, fundamental studies targeting new fuel-engine optimization are required. At present, the combustion community is working hard, focusing on new fuel-engine technologies for the welfare of today's human civilization. Recently, there has been considerable interest in utilizing low-carbon and/or zero-carbon fuels for future advanced engines. These fuels, e.g., polyoxymethylene dimethyl ethers, ammonia, hydrogen, syngas, methanol, ethanol, cyclopentanone, etc., can be produced from bio-sources or renewable energy sources. Low-carbon and zero-carbon fuels can significantly improve air quality compared to conventional fuels. This Special Issue aims to provide an overview of recent progress and an advancement in understanding new fuel technology using low-carbon and zero-carbon fuels. This Special Issue will target articles relevant to the experimental and theoretical work, from fundamentals to applications pertinent to the field of combustion.

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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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