Special Issue

Renewable Fuels for Internal Combustion Engines: 2nd Edition

Message from the Guest Editors

Considering the CO2 reduction targets of the 2015 Paris Agreement, there is an immediate need for high-TRL renewable fuels for use in combustion engine technology. This development must be accompanied by intensified combustion research, exploring the potential efficiency and emission co-optimization of new fuels. At the same, the fast phasing-in of renewable fuels requires efficient production methods and price-competitive feedstock.

This need for systematization and open dissemination of knowledge on renewable fuels for internal combustion engines forms the premise of the present Special Issue of Energies. Experts are encouraged to share their latest findings in the form of original research papers, case studies, or short reviews. Studies targeting all aspects of the value chain are considered necessary, including those covering the following topics: liquid and gaseous fuel production processes, upgrading (catalytic and fractional blending), and end-of-life valorization in combustion engines (conventional and advanced concepts). Also, techno-economic analyses aiming to valorize the value chain holistically are encouraged.

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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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