Special Issue

Advances in Sustainable Energy from Biomass and Waste

Message from the Guest Editors

This Special Issue aims to invite contributions on topics such as thermokinetics simulation models, advanced characterization techniques, biofuel and bioenergy conversion processes, lab-scale reactor design for pyrolysis and gasification, and techno-economic and environmental impact assessment methods. Keywords include energy conversion, bioenergy, process optimization, and waste-to-energy technologies. To achieve further progress and development, we invite your contributions on the following topics:

- Thermokinetics simulation models to predict biomass and waste characteristics;
- Advanced characterization techniques of biomass and waste materials;
- Biofuel and bioenergy conversion process with strong experimental evidence;
- Lab-scale reactor design for pyrolysis and gasification for product validation;
- Techno-economic and environmental impact assessment methods using advanced techniques.

Guest Editors

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Deadline for manuscript submissions

closed (21 May 2024)

Energies

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Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/172208

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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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