Special Issue

Advanced Studies in Thermochemical Conversion of Solid Wastes into Energy Products

Message from the Guest Editor

This Special Issue will cover thermochemical processes like pyrolysis, gasification, combustion, liquefaction, etc., for converting solid wastes such as biomass, organic waste, green waste, plastic waste, end-of-life tires, etc., into energy products such as crude oil, char, and syngas. In particular, this Special Issue will focus on assessing the performance of pyrolysis and gasification technologies for converting solid/biomass waste into energy, both experimentally and numerically. The scope of this Special Issue includes, but is not limited to:

- Potential solid waste and biomass resources;
- Review of different types of thermochemical conversion technologies;
- Analysis, applications, opportunities, and operational difficulties of thermochemical conversion technologies, both experimental and numerical;
- Performance comparison of different types of thermochemical conversion technologies;
- Market potential of medium- and large-scale thermochemical conversion plants;
- Policies needed to promote medium- and large-scale thermochemical process plants in the energy sector.

Guest Editor

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Deadline for manuscript submissions

closed (20 December 2024)

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About the Journal

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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