Special Issue

Sustainable Energy from Biomass and Waste

Message from the Guest Editors

This Special Issue will deal with novel developments in the conversion of biomass and waste to produce sustainable energy, in particular, the technology options being developed for utilisation of biomass, agricultural wastes, and municipal solid wastes. Topics include developments in integrated systems combining thermochemical and biological conversion, integrated hybrid systems utilising other renewable energy technologies such as solar thermal, optimisation of conversion routes, resource assessment and life cycle analysis, and development in waste to energy strategies. Topics of interest for publication include, but are not limited to:

- Biomass and waste resource assessment and characterisation
- Hybrid conversion technologies
- Pretreatment approaches for improved energy
- Anaerobic digestion and fermentation
- Combustion and incineration
- Gasification and pyrolysis
- Hydrothermal conversion
- Production of solid recovered fuel/refuse-derived fuel
- Evaluation of fuel quality
- Material flow analysis
- Life cycle and risk assessment
- Technoeconomic analysis
- Environmental considerations

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Deadline for manuscript submissions

closed (17 January 2024)

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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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