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Waste Management and Bio-Energy Production

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Message from the Guest Editors

Dear Colleagues,

The requirements of sustainable and appropriate waste management are becoming an international challenge and a priority for the global community. Bioenergy is one of many diverse resources available to help meet our demand for energy.

This Special Issue will focus on current biomass pretreatment methods and technologies for energy recovery, the current status and technologies for obtaining biofuels from biomass, including pyrolysis products; pellets, briquettes and tablets, biogas, biohydrogen, biodiesel, bioethanol, biochitan and syngas, biorefineries, the modeling and optimization of the technologies for energy recovery from biomass and also techno-economic analysis (TEA) and life cycle assessment (LCA) for converting biomass and organic waste into bioenergy.

We invite you to publish original scientific contributions and review papers summarizing the achievements to date in this research field and indicate the strengths and weaknesses of the available technologies.

Keywords: biomass; biowaste; agricultural residues; biowaste valorization; biofuels; bioenergy potential; energy recovery; circular bioeconomy; conversion technologies



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Special Issue



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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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