Special Issue

Sustainable Management of Waste for Renewable Energy Resources

Message from the Guest Editor

Waste is among the growing renewable energy resources, with significant impacts on climate change, circular economy, and sustainability. With regard to the waste management practices aiming at renewable energy production, the major challenges concern secondary contamination and low energy yield during the conversion of waste to renewable energy. To address the issues, it is necessary to focus on the selection of proper waste sources, innovative conversion technology, and process optimization. Therefore, the relevant research topics are represented by appropriate waste selection and treatment techniques as well as a smart control system. In this Special Issue, original contributions regarding recent developments and ideas in waste treatment and management to contribute to renewable energy production are encouraged. Potential topics include, but are not limited to, the following: waste-derived biochar, bioenergy production, plastic-to-liquid fuel, refuse-derived fuel, gasification, agricultural and sewage sludge treatment, and reviews on the conversion of waste to renewable energy.

Guest Editor

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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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