Special Issue

Sustainable Waste Management and Potential for Waste-to-Energy

Message from the Guest Editors

One of the main global issues facing modern society is the rapidly increasing production of wastes. In many countries, sustainable waste management has become a major political priority. Waste-to-energy (WtE) or energy-from-waste (EfW) is the process of generating energy in the form of electricity and/or heat from the primary treatment of waste, or the processing of waste into a fuel source. This Special Issue is seeking original contributions regarding recent developments and ideas in sustainable waste management and potential for WtE. Potential topics include but are not limited to the following:

- Anaerobic bioprocesses
- Wastes management
- Bioelectrochemical technologies
- Conductive materials and electron transfer
- Recovery of value-added products from wastes
- Renewable hydrogen production
- Microbial metagenomics in biological waste treatment processes
- Bioprocess engineering and design
- Life-cycle analysis (LCA) of waste management

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Deadline for manuscript submissions

closed (30 November 2021)

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/54630

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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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