Special Issue

Bioenergy from Waste: Innovations in Organic Waste and Biomass Valorization

Message from the Guest Editors

This Special Issue aims to present and promote the latest research and developments in the field of bioenergy generation from organic waste and biomass. Contributions exploring the potential of waste biomass for the development of green technologies and sustainable bio-based materials, such as biocomposites, are also welcome. Topics of interest for publication include, but are not limited to, the following:

- Thermochemical and biochemical conversion of organic waste and biomass;
- Production of biogas, biofuels, and biochar from waste;
- Pretreatment and process optimization for waste-to-energy technologies;
- Techno-economic and environmental assessments of valorization pathways;
- Integration of waste-to-energy systems into circular economy models;
- Innovative reactors, catalysts, and process intensification;
- Sustainable materials and biocomposites derived from biomass waste;
- Case studies of industrial or community-scale bioenergy systems;
- Policies, incentives, and sustainability frameworks for bioenergy from waste.

We look forward to your contributions to this Special Issue.

Guest Editors

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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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