

Special Issue

Innovation in Waste-to-Energy Technology

Message from the Guest Editors

This Special Issue aims to gather research papers on recent developments and innovation for WTE technology. We invite researchers to submit research and review articles that describe new insights on renewable energy production from biomass and its utilization processes to push forward the development of new efficient WTE technologies. The research can range from lab-scale to full-scale case studies. This topic will include a series of research and review articles covering, but not limited to, the following subjects:

- Bioenergy production from biomass through anaerobic digestion, dark fermentation, photo fermentation, microbial fuel cell, and microbial electrolysis cell;
- Biomass conversion to bioplastic and improvement in VFA production;
- The use of innovative methods to improve energy production from alternative wastes;
- Development of pretreatment processes to increase energy production from feedstocks;
- Maximizing the energy production of solids wastes from pyrolysis, gasification, and combustion;
- Improved wastewater treatment processes through integration with energy production.

Guest Editors

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Deadline for manuscript submissions

closed (15 April 2022)



Sustainability

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Impact Factor 3.3
CiteScore 7.7



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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

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