

Special Issue

Trash to Treasure: The Promise of Bioenergy from Waste

Message from the Guest Editors

The aim of this Special Issue is to compile high-quality papers addressing the latest and most significant scientific progresses related to the title “Trash to Treasure: The Promise of Bioenergy from Waste” from the fields of catalysis, reaction engineering, kinetics, thermodynamics, and bioprocessing for bioenergy production. This Special Issue will also focus on the process design, techno-economic analysis, life cycle assessment, policy and regulatory issues, and technological innovation related to bioenergy from waste. Potential topics can cover many disciplines, including but not limited to:

- Biological conversion for both anaerobic and aerobic processes;
- Thermochemical conversion (pyrolysis, hydrothermal, combustion, etc.);
- Process design, modelling, optimization, and integration with other waste management strategies;
- Techno-economic analysis, environmental impacts, policies, and circular economy aspects of WTE.

Guest Editors

Dr. Xiangyu Gu

Dr. Xiao Fu

Dr. Xingping Kai

Deadline for manuscript submissions

closed (1 October 2023)



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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

Prof. Dr. Steve W. Lyon

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