

Special Issue

Green Chemistry and Sustainable Biomass Conversion

Message from the Guest Editors

This Special Issue delves into the multifaceted realm of biomass conversion. We particularly encourage contributions that delve into various biomass conversion techniques, including pyrolysis, torrefaction, gasification, hydrothermal conversion, and biological conversion. Research areas may include (but not limited to) the following:

- Innovative approaches to pyrolysis, torrefaction, gasification, hydrothermal, and biological conversion of biomass.
- Pioneering catalysts and catalytic processes aimed at enhancing biomass conversion efficiency.
- Strategies for enhancing and customizing the products derived from biomass.
- In-depth kinetic and thermodynamic analyses of biomass conversion processes, uncovering the underlying mechanisms.
- Machine learning models for a better understanding and utilization of biomass conversion processes.
- Life cycle assessments and techno-economic analyses of emerging biomass conversion methodologies.

We look forward to receiving your contributions.

Guest Editors

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Deadline for manuscript submissions

closed (19 July 2024)



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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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