

Special Issue

Sustainable Biomass Energy: Opportunities and Challenges for a Green Future

Message from the Guest Editors

Biomass, when subjected to sustainable physicochemical or biotechnological conversions, generates cleaner energy, fuels and bio-based chemicals than traditional fossil fuel technology. This Special Issue welcomes original research articles and critical reviews on the developments and challenges involved in the energy industry's transformation to a net zero emissions sector through the support of the biomass-based industry. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Increasing sustainable bioenergy production.
- Developing a sustainable circular bioeconomy.
- Decarbonization of industry using renewable energy such as bioenergy.
- Biofuels production and its sustainable impact.
- Integral biorefineries for energy, fuels and bio-based chemicals.
- Techno-economic and life cycle assessment in bioenergy.
- Strategies to develop a green industry.

Guest Editors

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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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