



Sustainable Biomass Energy: Opportunities and Challenges for a Green Future

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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.





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Message from the Editor-in-Chief

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