

## Special Issue

# Application of Biomass Energy Technology

### Message from the Guest Editors

Our scope includes but is not confined to, investigations into biomass feedstock selection, conversion processes, efficiency enhancements, environmental implications, economic assessments, policy considerations, and emerging trends. Additionally, the carbon cycle, the net energy efficiency of bioenergy systems, sustainability evaluation, and biodiversity concerns are all related to biomass and the environment. Forthcoming research in biomass energy technology should concentrate on the following focal points:

Innovations in conversion processes to maximize energy output and diminish emissions; Sustainable management of feedstock resources and their availability; Integration with other renewable energy sources to fortify a resilient energy grid; Adoption of circular economy principles for waste-to-energy solutions; Technological advancements catering to small-scale, decentralized biomass systems; Holistic evaluations of socio-economic and environmental impacts to uphold sustainability; The production of feedstock in connection to forestry, silviculture, agronomy, and agriculture.

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### Guest Editors

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### Deadline for manuscript submissions

closed (30 July 2025)



## Applied Sciences

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## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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### Editor-in-Chief

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