

Special Issue

Conversion and Application of Biomass: Recent Developments and Applications

Message from the Guest Editors

We invite you to contribute to this Special Issue on “**Conversion and Application of Biomass: Recent Developments and Applications.**” This issue explores the latest advancements in biomass conversion technologies and their impact on sustainable energy and the environment. Key subtopics include:

- **Biomass Conversion Technologies:** Thermochemical and biochemical processes
- **Biomass as a Renewable Resource**
- **Advanced Biofuels and Chemicals Production**
- **Applications of Biomass:** Energy production and industrial uses
- **Recent Technological and Process Innovations**
- **Carbon Capture and Utilization (CCU)**
- **Biomass Pre-treatment Methods**
- **Waste-to-Energy Technologies**
- **Economic and Environmental Implications**
- **Challenges and Future Directions**
- **Case Studies:** Successful biomass projects, industry-academia collaboration

This Special Issue aims to provide a comprehensive, up-to-date understanding of biomass conversion technologies and their applications, driving toward a sustainable and carbon-neutral future.

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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.

Editor-in-Chief

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