



## Bioprocessing and Fermentation Technology for Biomass Conversion

Guest Editors:

**Dr. Harifara Rabemanolontsoa**

**Dr. Joachim Venus**

**Dr. Andrew Ross**

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### Message from the Guest Editors

Dear Colleagues,

The utilization of renewable biomass resources for energy, material, and chemical production offers significant environmental advantages over fossil fuels, as it reduces greenhouse gas emissions and dependence on non-renewable resources. The Special Issue entitled "Bioprocessing and Fermentation Technology for Biomass Conversion" focuses on advancements in bioprocessing and fermentation technologies that enable the efficient conversion of biomass into bioenergy, chemicals, and materials.

This Special Issue includes the development of new technologies, novel feedstocks, biomass pretreatments, fermentation strategies, and the utilization of microorganisms in monoculture, coculture, and consortium systems. Additionally, studies on microbial engineering, cell factories, process optimization, algal biotechnology, anaerobic digestion, upstream and downstream processing, enzyme discovery and applications, life cycle assessment (LCA), and other related areas are also encouraged. The collection of articles will provide valuable insights into the latest research and innovation in the field, advancing the prospects of sustainable biorefinery and bioenergy production.





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## Editor-in-Chief

**Prof. Dr. Giulio Nicola Cerullo**

Dipartimento di Fisica,  
Politecnico di Milano, Piazza L.  
da Vinci 32, 20133 Milano, Italy

## Message from the Editor-in-Chief

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*Applied Sciences* Editorial Office  
MDPI, St. Alban-Anlage 66  
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