



Biorefinery for Sustainable Biochemicals Production: Process Design and Technological Advances

Guest Editor:

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Message from the Guest Editor

this Special Issue will cover the following, and related, topics:

The exploitation of natural resources (plants/microbes), mixed culture, and engineered biosystems for biochemical and bioenergy production.

Development of direct extraction methods from plant biomass.

Pretreatment and valorization of various biowastes into valuable biochemicals.

Biochemical production using microbial fermentation and biotransformation.

Development of efficient immobilization systems.

Implementation of molecular technology (metagenomics, metabolic engineering, and crisper gene editing) for strain development.

Improvement of reactor designs for improved productivity and recovery.

Process designs for upstream and downstream processes.





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Message from the Editor-in-Chief

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