

Special Issue

Biorefinery for Sustainable Biochemicals Production: Process Design and Technological Advances

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.

Guest Editor

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Deadline for manuscript submissions

closed (31 January 2023)



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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

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