

Special Issue

Sustainable Biorefinery, Biofuels and Bioenergy: Current State, Potential and Perspectives

Message from the Guest Editor

The development of sustainable biofuels and bioenergy production is now a global priority. Every amount of biofuel contributes to reducing the use of fossil fuels, which results in reduced greenhouse gas emissions. Biorefineries are industrial facilities that use biomass as a substrate to create goods or energy. Given the current issues posed by global warming and the restricted availability of raw materials, the advancement of biorefining is becoming an increasingly attractive alternative. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Use of biomass for biorefinery processes and reduction in the waste stream generated by biorefineries;
- Use of various plant and animal substrates, e.g., directly or as waste from agri-food production;
- New valuable products that can be produced using modified methods of conversion and the pre-treatment of biomass;
- The potential to establish small-scale regional biorefineries that use biomass sources to produce goods or energy for the rural bioeconomy;
- Develop new ways to facilitate the establishment of biorefineries.

Guest Editor

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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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