Special Issue

Bioenergy Production and the Valorization/Disposal of Byproducts/Coproducts from Bioenergy Production Systems

Message from the Guest Editor

Biomass, such as lignocellulosic biomass and protein-rich biomass or organic wastes, is a renewable and sustainable carbon-neutral (or even carbon-negative) resource. Biomass can be used to produce bioenergy such as biodiesel, bio-oil, biochar, biogas, and syngas by pyrolysis, hydrothermal carbonization/carbonization; torrefaction; anaerobic digestion; fermentation, and other bio-/physico-chemical treatments. These bioenergy products are becoming increasingly important to replace fossil fuels and mitigate climate change. However, there are many bottlenecks during the collection and pretreatment of biomass, design of reactors and process integrations, catalyst deactivations and inovations, product engineering and separations, and byproducts/coproducts valorization/disposal. These issues are waiting to be solved to increase the economic and environmental feasibilities and promote the industrialization and commercialization of bioenergy production.

This Special Issue aims to collect recent outstanding experiment, modeling, or data-driven based studies and reviews in bioenergy production and the valorization/disposal of byproducts/coproducts from bioenergy production systems.

Guest Editor

Prof. Dr. Lijian Leng

School of Energy Science and Engineering, Central South University, Changsha 410083, China

Deadline for manuscript submissions

closed (31 December 2022)

Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3
CiteScore 7.7

mdpi.com/si/102820

Sustainability
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sustainability@mdpi.com

mdpi.com/journal/sustainability

Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3
CiteScore 7.7

mdpi.com/journal/sustainability

About the Journal

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. *Sustainability* publishes original research articles, review 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. Marc A. Rosen
Faculty of Engineering and Applied Science, University of Ontario Institute of Technology, Oshawa, ON L1G 0C5, Canada

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, RePEc, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1 (Geography, Planning and Development)