

Special Issue

Bioenergy for Sustainable Development: Advances and Applications

Message from the Guest Editor

According to the latest IPCC reports, using biomass-based feedstocks for generating energy and transport fuels can be considered as a viable option for moving away from fossil fuels to renewable fuels. Many kinds of technological solutions are possible, such as thermal and chemical conversion processes of combustion, pyrolysis, gasification, and fermentation. Possible biomass feedstocks include agricultural waste, forest industry waste, and algae. Bioenergy and biofuels offer a lot of opportunities, and their use has to be sustainable and carbon-neutral. However, some challenges are also created, such as competition with food production and feedstock availability. These opportunities and challenges can be studied further, and thus, sustainable methods for bioenergy can be demonstrated and commercialized. In this Special Issue, potential advances and applications of bioenergy are presented, including also aspects of their economical, social, and environmental sustainability.

Guest Editor

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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

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