

Special Issue

Resource Recovery and Sustainable Biomass Waste and Wastewater Management

Message from the Guest Editors

Sustainable development is crucial to social development. Waste and wastewater can be treated as resources to make up for the shortage of petrochemical resources. Biomass waste and wastewater have the potential to be converted into biofuels and bioenergy for resource recovery. Thus, this Special Issue aims to highlight innovative treatment and technologies for the conversion of various biomass waste and different kinds of wastewater into biofuels and bioenergy, such as biodiesel, biogas, volatile fatty acids, bioplastics, etc. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following subjects: (1) Innovative pretreatment of biomass waste for biofuel production; (2) New technology for efficient recovery of nutrients from wastewater; (3) Exploration and application of microbial resources for efficient conversion of waste or wastewater; (4) Microbiological mechanism of efficient conversion of biomass or wastewater; (5) New technologies such as artificial intelligence and machine learning for biomass and wastewater treatment.

Guest Editors

Dr. Jinsong Liang

Northeast Institute of Geography and Agroecology, Chinese Academy of Sciences, Harbin 150081, China

Dr. Longyi Lv

School of Energy & Environmental Engineering, Hebei University of Technology, Tianjin 300130, China

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

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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

Prof. Dr. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University,
Columbus, OH 43210, USA

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