



Sustainable Development of Biomass Energy under the Trend of Carbon Neutrality

Guest Editors:

Dr. Jian Li

Department of Environmental
Science and Engineering, Tianjin
University, Tianjin 300350, China

Prof. Dr. Beibei Yan

Department of Environmental
Science and Engineering, Tianjin
University, Tianjin 300350, China

Deadline for manuscript
submissions:

30 November 2024

Message from the Guest Editors

Dear Colleagues,

The aim of this SI is to promote the R&D of biomass conversion with the assistance of multifield enhancement. Reaction pathways can be changed under multifield collaboration, and the in-depth mechanism should be revealed. The sustainability of the process, including the motivation and maintenance of the multifield, the stability of the process, and the economic and environmental benefits, should be evaluated, and these topics all lie within the scope of this SI.

In this Special Issue, original research articles and reviews are welcomed. Research areas may include (but are not limited to) the following:

- Biomass gasification/pyrolysis and product upgrading with the assistance of microwaves;
- Biomass to hydrogen conversion via photothermal-assisted conversion;
- Highly efficient pretreatment of biomass under multifield effect and system evaluation.

We look forward to receiving your contributions.

Dr. Jian Li
Prof. Dr. Beibei Yan
Guest Editors





an Open Access Journal by MDPI

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

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.

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](#), [AGRIS](#), [RePEc](#), [CAPlus / SciFinder](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Environmental Studies*) / CiteScore - Q1 (*Geography, Planning and Development*)

Contact Us

Sustainability Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sustainability
sustainability@mdpi.com
[X@Sus_MDPI](#)