



Woody Biomass Power Generation and Sustainable Energy Development

Guest Editor:

Prof. Dr. Barry D. Solomon

Department of Social Sciences,
Michigan Technological
University, Houghton, MI 49931–
1295, USA

Deadline for manuscript
submissions:

closed (15 September 2022)

Message from the Guest Editor

This Special Issue will report recent research results on the sustainability of woody biomass use for power generation around the world. Among the topics that could be addressed by potential authors are the following: more efficient technologies for biomass power generation; cofiring and cogeneration systems with biomass power; advances in the debate over the carbon neutrality of biofuels; life cycle analyses; strengthened verification systems for carbon dioxide offsets of woody biomass emissions; the impact of woody biomass feedstock production on forest and ecosystem health; the ecological impacts of whole-tree harvesting to produce wood chips; the sustainability of wood pellet production for export markets; and public opinion on biomass power generation. This Special Issue will build upon the existing literature to enrich the debate about the sustainable development of woody biomass resources for electric power generation.

- biopower
- carbon emissions from biopower
- carbon footprint
- forestry offsets
- life cycle analysis
- sustainable biopower
- wood fuel from forests





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](#)