



## Biomass Production and Conversion Process for Sustainable Bioenergy

Guest Editors:

**Prof. Dr. Tsunemi Watanabe**

Faculty of Society & Design, Bond University, Gold Coast, Queensland 4226, Australia

**Dr. Reeko Watanabe**

School of Regional Design, Civil Engineering Department, Utsunomiya University, Utsunomiya 321-8505, Tochigi, Japan

Deadline for manuscript submissions:

**closed (30 September 2023)**

### Message from the Guest Editors

Dear Colleagues,

This Special Issue comprises selected papers on the topic of *Biomass Production and Conversion Process for Sustainable Bioenergy*. Biomass is a renewable energy source. Effective utilization of biomass can lower carbon emissions as compared with fossil fuels. In addition, local biomass energy can also develop industry in a region.

Therefore, bioenergy development has become a vital topic in contributing to social and economic development. However, there are still barriers to effectively utilizing biomass from the perspectives of technological development, social acceptance, and understanding externalities. To understand and develop biomass energy, thus, it is important to improve and innovatively develop biomass conversion techniques and quantify the environmental and economic performance of biomass energy.

To do so, studies in multiple fields are expected, such as technological development, economic evaluation, environmental policy, education, and comparative studies. We sincerely hope that this Special Issue can contribute to the development of biomass energy and other environmental friendly and economically efficient energy sources.





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, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/sustainability](http://mdpi.com/journal/sustainability)  
[sustainability@mdpi.com](mailto:sustainability@mdpi.com)  
X@Sus\_MDPI