



## Sustainable Production of Renewable Bioenergy

Guest Editors:

**Prof. Dr. Abu Yousuf**

1. Department of Chemical Engineering & Polymer Science Building, Shahjalal University of Science and Technology, Sylhet, Bangladesh

2. School of Aerospace and Mechanical Engineering, University of Oklahoma, Norman, OK 73019, USA

**Prof. Dr. Domenico Pirozzi**

Department of Chemical, Materials and Production Engineering, Università degli Studi di Napoli "Federico II", Naples, Italy

Deadline for manuscript submissions:

**closed (31 December 2023)**



[mdpi.com/si/156414](https://mdpi.com/si/156414)

### Message from the Guest Editors

Dear Colleagues,

This Special Issue aims to fully understand the sustainability issues relevant to any bioenergy project, to measure where the trade-offs and challenges are, and to identify which issues are most important for determining overall sustainability. Original research articles and reviews are welcome. The topics include (but are not limited to):

- Sustainability criteria for bioenergy;
- Bioenergy production pathways;
- Biodiesel;
- Biogas;
- Bioethanol;Biobutanol;
- Bio-H<sub>2</sub>;
- Bioeconomy sustainability—development;
- Bioenergy sustainability—natural systems and climate change;
- Environmental sustainability and bioenergy issues;
- Future of biomass and bioenergy deployment;
- Biomass and bioenergy sustainability frameworks and certification;
- Transportation networks and bioenergy plant locations;
- Biomass to biofuel supply chain analysis;
- Carbon capture



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](https://twitter.com/Sus_MDPI)