

## Special Issue

# Sustainable Development of Biofuels

### Message from the Guest Editor

Climate change is already a major challenge for today's society and we have to rush for the implementation of a sustainable bio-based economy where biofuel must play a leading role altogether with other renewable energies. Such challenge involves the sustainable replacement of fossil-derived fuels and energy by sustainable biofuels in the transport sector but also in the generation of residential and industrial heat and power. This Special issue aims to show recent advances in the development of sustainable biofuels all along the chain value. Promising feedstocks, processes, integral biorefineries, and uses in the transport sector and heat and power generation will be provided and discussed to give and in-depth overview of the state of the art with broad spectrum of sustainable biofuels. For the sustainability of biofuel development, the Special issue will also address life cycle and sustainability analysis of different production technologies and, social and political interest in promoting biofuels. These facts make this Special issue very valuable for all society, i.e. social communities, biofuels companies, scientific community and decision makers.

---

### Guest Editor

Dr. Jorge Aburto

Management of Biomass Conversion, Instituto Mexicano del Petróleo,  
Mexico City 07730, Mexico

---

### Deadline for manuscript submissions

closed (1 February 2023)



## Sustainability

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 7.7



[mdpi.com/si/93133](https://mdpi.com/si/93133)

*Sustainability*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[sustainability@mdpi.com](mailto:sustainability@mdpi.com)

[mdpi.com/journal/  
sustainability](https://mdpi.com/journal/sustainability)





## Sustainability

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 7.7



[mdpi.com/journal/  
sustainability](https://mdpi.com/journal/sustainability)



## About the Journal

### 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.

---

### 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

---

### 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, RePEc, CAPIus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1  
(Geography, Planning and Development)