

## Special Issue

# Resource Recovery in a Circular Bio-Economy

### Message from the Guest Editor

The shift from abiotic to biotic resource usage and optimization of the same takes place by availing resource recovery and byproduct utilization from waste streams in a 'circular bioeconomy'. The waste streams referred to in the focus above could have their origins in:

- Urban and rural systems (societies and commercial entities as points of final sale and consumption);
- Industrial systems (intermediate consumers of raw materials and providers of end-use products to (1) above);

The purpose is to add to the knowledge that is building up rapidly in the 21st century, due to the growing awareness of resource scarcity and the urgent need for optimization of resource use, while also mitigating adverse environmental impacts. As far as situating this issue within existing literature is concerned, preference will be given to new and innovative ideas and applications (lab, pilot or commercial scale), as well as the application of sustainability analysis—environmental, economic, and social aspects. Insightful review papers encompassing findings from and critiques of publications related to resource recovery in a bioeconomy are also welcome.

---

### Guest Editor

Dr. G. Venkatesh

Department of Engineering and Chemical Sciences, Karlstad University, Karlstad, Sweden

---

### Deadline for manuscript submissions

closed (30 September 2021)



## Sustainability

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 7.7



[mdpi.com/si/33623](https://mdpi.com/si/33623)

*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)