



## Circular Business Model Innovation for a Circular Bioeconomy

Guest Editors:

**Dr. Rodrigo Salvador**

Department of Engineering  
Technology and Didactics,  
Technical University of Denmark  
(DTU), Lautrupvang 15, Building  
Ballerup/Room E2.12, DK-2750  
Ballerup, Denmark

**Dr. Marina De Pádua Pieroni**

Department of Planning /  
Sustainable Design & Transition,  
Aalborg University, Aalborg,  
Denmark

**Dr. Murillo Vetroni Barros**

Sustainable Production Systems  
Laboratory (LESP), Postgraduate  
Program in Production  
Engineering (PPGEP), Federal  
University Technology - Parana  
(UTFPR), Ponta Grossa, Brazil

Deadline for manuscript  
submissions:

**closed (30 September 2023)**

### Message from the Guest Editors

The circular economy has been pointed to as one alternative to linear practices of traditional businesses, as a way of reverting high rates of resource consumption and waste generation, for the current linear model (extract-produce-consume-dispose) is not sustainable. As the circular economy grows, businesses must prepare for their transition from linear to circular models. If based on bioresources, the circular economy can also lead to regenerative and renewable systems in a so-called Circular Bioeconomy (CBE).

The implementation of CBE requires systemic changes in how industries work, which calls for circular business model innovation (CBMI) at the firm and ecosystem levels. As new business models are already considered to be one of the building blocks of a CE, CBMI is crucial for the establishment of a strong CBE. Innovative business models for a CBE can transform a range of sectors by enabling circular businesses to develop viable technologies and scalable solutions to produce biobased products with lower environmental impacts and optimize resource efficiency by reversing cycles of different materials, components, and products in both biological and technical cycles.





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)