

## Special Issue

# Low-Carbon Future: Innovations in Digital Supply Chain Optimization and Circular Economy

### Message from the Guest Editors

The escalating impacts of climate change and the urgent need for carbon neutrality have propelled low-carbon transitions to the forefront of global agendas. Digitalization (e.g., big data, AI, BT, IoT) offers unprecedented opportunities to optimize supply chains, reducing inefficiencies and emissions, while the circular economy (CE) promotes resource loops to minimize waste—collectively, these pillars are critical for sustainable development. This Special Issue aims to bridge this gap by deepening innovative research on the optimization of digital supply chains and circular economy to advance low-carbon goals. We are pleased to invite contributions from researchers, practitioners, and academics to explore innovative approaches, methodologies, and case studies that bridge the gap on the optimization of digital supply chains and circular economy. Topics of interest encompass a wide range of subjects, from digital supply chain management and circular economy in low-carbon futures. We look forward to receiving your contributions.

### Guest Editors

Prof. Dr. Cuihua Zhang

School of Business Administration, Northeastern University, Shenyang, China

Dr. Peng Xing

School of Business, Liaoning University, Shenyang, China

### Deadline for manuscript submissions

31 July 2026



**Sustainability**

---

an Open Access Journal  
by MDPI

---

**Impact Factor 3.3**  
**CiteScore 7.7**



[mdpi.com/si/249236](https://mdpi.com/si/249236)

*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)