

## Special Issue

# Digital Technologies Enabling Sustainability in Manufacturing and Supply Chain

### Message from the Guest Editor

Developing sustainable supply chains represents one of today's main global challenges. The increasing pressure on companies to meet environmental and social targets while ensuring a financial sustainability of the business, represents a complex decision-making problem.

Moreover, the recent shortage of items at the retailer stores or components in the manufacturing automotive sector during the COVID-19 pandemic, has revealed the fragility of supply chains and a need of re-thinking how products and services are provided to the customers throughout their entire life cycle. On the other hand, the Fourth Industrial Revolution, known as Industry 4.0, is pushing companies to digitalise their processes throughout the entire supply chain for improving data exchange, visibility of the information, cyber-security and overall performance. The development of technologies such as blockchains, cloud computing, virtual reality and advanced robotics *inter alia*, are accelerating the transformation of the entire supply chain sourcing, manufacturing and logistics operations.

### Guest Editor

Dr. Ernesto Mastrocinque

Faculty of Engineering, Environment and Computing, Coventry University, Coventry, UK

### Deadline for manuscript submissions

closed (28 February 2023)



## Sustainability

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 7.7



[mdpi.com/si/101827](https://mdpi.com/si/101827)

*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)