

## Special Issue

# Contemporary Advances in Industry 4.0 Technologies and Theories for Manufacturing Sustainability

### Message from the Guest Editors

Riding on the machines that changed the world, industry has undergone numerous revolutions—from the initial steam-engine-powered machines to the advent of electricity in industrial processes for mass production; then the automated machines, which involved advanced electronics and information technologies in automating the production process; and today, the fourth Industrial Revolution (Industry 4.0) which integrates smart machines with digital technologies to maximize industrial productivity.

This Special Issue is therefore aimed at presenting contemporary advances in Industry 4.0 technologies and theories for manufacturing sustainability. We hereby invite authors to submit original research and critical review articles developing sustainability into Industry 4.0 technologies and theories throughout all levels of manufacturing—from pre-manufacturing, manufacturing, and use through post-use stages in the life cycle—to enable a shift in the manufacturing context towards a more sustainability-based state.

---

### Guest Editors

Dr. Hamed Gholami

Prof. Dr. Safian Sharif

Prof. Dr. Georges Abdul-Nour

---

### Deadline for manuscript submissions

closed (31 December 2023)



**Sustainability**

---

an Open Access Journal  
by MDPI

---

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



[mdpi.com/si/108260](https://mdpi.com/si/108260)

*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)