

## Special Issue

# Trends of Industry 5.0: Smart Systems, Sustainable Production and Lean Thinking Applications

### Message from the Guest Editors

Dear Colleagues, Industry 4.0 brings ambitious changes to our whole society, and Industry 5.0 complements its “human-centric” and “efficiently intelligent” aspects and aims for more sustainable development. This Special Issue intends to promote discussion among researchers and engineers; share their thoughts, concepts and applications in this field; and submit their results to this collection, which covers aspects related to the trends of Industry 5.0, including, but not limited to:

Lean thinking applications

Reduce waste—maintain sustainability goals, improve the processes and production system and try our best to reduce the waste generated during manufacturing;

Discussion between Industry 4.0 and Industry 5.0;

Smart manufacturing systems and smart factories, virtual factories, the Internet of Things;

Logistics, transportation and supply chain management;

New technologies and innovative digital technologies in Industry 5.0—digital twins, big data, machine learning, artificial intelligence, blockchain.

---

### Guest Editors

Dr. Anabela Carvalho Alves

Dr. Maria Florentina Abreu

Dr. Carina Pimentel

Prof. Dr. João Carlos de Oliveira Matias

Dr. Leander Klein

---

### Deadline for manuscript submissions

closed (10 August 2024)



**Sustainability**

---

an Open Access Journal  
by MDPI

---

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



[mdpi.com/si/181409](https://mdpi.com/si/181409)

*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)