

## Special Issue

# Lean Manufacturing and Sustainable Performance in Digital Era: Challenges and Opportunities

### Message from the Guest Editors

With increasing globalization and contemporary market demands, manufacturing efficiency is more and more often defined from the perspective of the dimensions of sustainable development. Manufacturing companies must offer a higher return on investment while reducing environmental impact. It is also necessary for them to offer an attractive workplace for people focusing on learning and developing competencies. In this context, manufacturing processes are very important, ensuring product quality while monitoring natural resource use and the safety of people and processes. The literature recognizes that technological innovations and their applications are able to meet sustainable development challenges. Enabling digital technologies can help organizations achieve more innovative and sustainable operations with data-driven decision-making and optimizing manufacturing operations. This Special Issue aims to present the state-of-the-art theoretical developments, challenges, and opportunities of digital technologies in achieving sustainability in manufacturing processes across various industry sectors.

### Guest Editors

Dr. José Dinis-Carvalho  
School of Engineering, University of Minho, Braga, Portugal

Dr. Justyna Trojanowska  
Faculty of Mechanical Engineering, Poznan University of Technology,  
Poznan, Poland

Dr. Malgorzata Jasiulewicz-Kaczmarek  
Faculty of Engineering Management, Poznan University of Technology,  
60-965 Poznań, Poland

### Deadline for manuscript submissions

30 November 2026



Sustainability

an Open Access Journal  
by MDPI

Impact Factor 3.3  
CiteScore 8.9



[mdpi.com/si/242610](https://mdpi.com/si/242610)

*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 8.9



[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. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full 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. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University,  
Columbus, OH 43210, USA

---

### 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)