

## Topical Collection

# New Frontiers in Production Engineering

### Message from the Collection Editors

Climate change is increasingly present in our daily lives. Industry has been one of the main generators of pollution and greenhouse gases, which have led to the situation we are currently facing. Effective efforts are needed to improve production systems in order to minimise their environmental and social impact, without forgetting the economic factor. Tools from various sectors have converged in order to improve this situation. This Special Issue intends to collect and disseminate cutting-edge research with very high quality that is able to bring new insights into how Industry 4.0 can contribute to a more sustainable production environment. The Special Issue also intends to collect practical insights through highly relevant case studies able to bring new ideas to scholars and industry able to effectively reduce concerns about sustainability, environmental impacts, safety, and quality, maintaining competitiveness. Disseminating these cutting-edge studies, this Special Issue intends to extend the previous knowledge in deeply researched items, such as Lean and Six-Sigma, regarding the new paradigms of Industry 4.0, making the corresponding linkage to sustainable production.

---

### Collection Editors

Prof. José Carlos Sá

Dr. Francisco J. G. Silva

Prof. Dr. Gilberto Santos

Dr. Luís Pinto Ferreira

---



## Sustainability

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 7.7



[mdpi.com/si/92094](https://mdpi.com/si/92094)

*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. 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, CAPlus / SciFinder, and other databases.

### Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1 (Geography, Planning and Development)