



Achieving Sustainability in Production Management with a Focus on Industry 4.0 and Lean Philosophy

Guest Editors:

Dr. István Budai

Faculty of Engineering, University
of Debrecen, Ótemető utca 2-4,
H-4028 Debrecen, Hungary

Dr. Judit T. Kiss

Faculty of Engineering, University
of Debrecen, Ótemető utca 2-4,
H-4028 Debrecen, Hungary

Deadline for manuscript
submissions:

5 September 2024

Message from the Guest Editors

Human knowledge, and its continuing expansion and classification at the systemic level, highlights the fact that a significant proportion of human activity has a detrimental impact on the Earth's ecosystems. It is therefore inevitable that processes and activities need to be reviewed and redesigned. In this way, it may be possible to reduce, minimize or even reverse adverse impacts.

The aim of this Special Issue is to provide an opportunity to present new theories, methods and process models that focus on creating cleaner and more sustainable production and/or service processes. It also aims to investigate the impact of Industry 4.0 and lean philosophy on sustainability.

Research areas may include (but are not limited to) the following:

- Modelling processes for cleaner production;
- Lean philosophy to achieve zero emissions;
- Using clean-tech to reduce the environmental impact of manufacturing processes;
- The impact of Industry 4.0 on the development of sustainable activities;
- The importance of sustainability in product innovation;
- Analyzing the interaction between sustainability and digitalization;
- The role of education in achieving a sustainable economy.





an Open Access Journal by MDPI

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

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.

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](#), [AGRIS](#), [RePEc](#), [CAPlus / SciFinder](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Environmental Studies*) / CiteScore - Q1 (*Geography, Planning and Development*)

Contact Us

Sustainability Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sustainability
sustainability@mdpi.com
[X@Sus_MDPI](https://twitter.com/Sus_MDPI)