



Applications of Digital Technologies in Manufacturing and Sustainable Supply Chains

Guest Editor:

Dr. Carina L. Gargalo

Process and Systems Engineering Center (PROSYS), Department of Chemical and Biochemical Engineering, Technical University of Denmark, Building 228A, 2800 Kongens Lyngby, Denmark

Deadline for manuscript submissions:

closed (31 August 2023)

Message from the Guest Editor

Dear Colleagues,

This Special Issue calls for papers that aim at understanding the opportunities, enablers, and barriers to incorporating digital technologies into the design, planning, and optimization of supply chains towards sustainability. It also targets the collection of valuable technical, empirical, and theoretical insights regarding the adoption of these new technologies into supply chain management and overall operations. Therefore, we encourage contributions that address the following research topics:

- Digital technologies and supply chain management towards sustainable operations;
- Machine learning and artificial intelligence in modelling and optimization of sustainable manufacturing supply chains;
- Surrogate modelling in sustainable manufacturing supply chain modelling and optimization;
- Smart sensors and big data analytics in manufacturing supply chain operations;
- Enablers, drivers, and barriers to integrating digital technologies in various stages of manufacturing supply chains;
- Application of digital technologies in closed-loop manufacturing supply chains.





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, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/sustainability
sustainability@mdpi.com
X@Sus_MDPI