

Special Issue

Optimizing Logistics and Supply Chain Management towards Industry 5.0

Message from the Guest Editors

The advent of Industry 4.0 paradigms changed the ways supply chain and logistics processes are managed. However, recent recommendations from the European Commission call for the need to shift towards the so-called “Industry 5.0,” which focuses on three main pillars: human centricity, resilience, and sustainability. This Special Issue aims to stimulate research on potential Industry 5.0-oriented solutions to enhance the management of inbound and outbound logistics, warehouses and inventories, and supply chains. We encourage contributions that address, but are not strictly limited to, the following:

- The use of machine learning (ML) and artificial intelligence (AI) tools for operations management;
- Novel approaches for supply chain resilience management;
- Sustainability of logistics processes;
- Life Cycle Assessment (LCA) of complex industrial systems;
- Innovative solutions for integrating human-centric design, ICT tools, and product service systems (PSS).

Research articles, case studies, and state-of-the-art review papers are welcome. We look forward to receiving your contributions.

Guest Editors

Dr. Mario Fargnoli

Dr. Elena Stefana

Dr. Antonio Javier Nakhal Akel

Dr. Francesco Simone

Deadline for manuscript submissions

closed (31 December 2025)



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Sustainability
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sustainability@mdpi.com

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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

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