

Special Issue

Digital Innovation for Sustainable Logistics and Supply Chain Emissions Reduction

Message from the Guest Editor

This Special Issue aims to explore how advanced digital technologies can be leveraged to transform logistics and supply chain systems into becoming sustainable, resilient, and efficient. Logistics and supply chain companies are under pressure to reduce their environmental footprint and improve provided service reliability and economic performance. Digital transformation enables powerful tools to help achieve these goals through real-time visibility, operational optimization, intelligent automation, and advanced analytics. I have provided a few examples of possible topics below, but I welcome papers on any topic related to the subject of this Special Issue:

- Digital tools for carbon emissions monitoring and operations management;
- Supply chain decarbonization through data-driven planning and process optimization;
- Smart logistics, warehousing, green fleet management, and low-emission routing;
- Digital twins, logistics systems change simulations, and environmental gains;
- AI-based tools for minimizing logistics externalities;
- Cost-benefit and ROI evaluation;
- Strategic frameworks for sustainable digital supply chain transformation;
- LCA methodologies important for digital transformation.

Guest Editor

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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

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