

Special Issue

Frontier of Sustainable Manufacturing: Production Systems, Supply Chain Network Design and Maintenance

Message from the Guest Editors

Currently, sustainability issues influence the development of new paradigms, models, and decision support systems in manufacturing. Considering the environmental impact is not only an increasing trend but also mandatory. Green supply chain management has been recently defined as the integration of environmental thinking into supply chain management. Moreover, circular systems promote material reuse, recovery, and recycling to realize a closed-loop system and to reduce pollution and carbon emissions. Consequently, a circular economy-based system allows for higher resource productivity. This Special Issue aims to collect and present research in the field of manufacturing systems and supply chain network designs regarding the integration of sustainability, with special attention to companies' opportunities in terms of costs, efficiency, and environmental impact. Potential topics include, but are not limited to:

- Green warehousing strategies and new technologies;
- Carbon emission footprint in the supply chain;
- Circular economy models for industrial systems;
- Returned product cycle: paradigm and models to reduce waste;

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Guest Editors

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Deadline for manuscript submissions

closed (30 November 2022)



Sustainability

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Impact Factor 3.3
CiteScore 7.7



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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. *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.

Editor-in-Chief

Prof. Dr. Marc A. Rosen

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