

Special Issue

Recent Advances in Modern Technologies for Sustainable Manufacturing

Message from the Guest Editor

Any sustainable development is characterized by a multifaceted approach that covers environmental, technological, social, and economic dimensions. This Special Issue aims to present the latest advances and developments in new technologies related to the economic, environmental, and social challenges of sustainable manufacturing. Topics of interest include but are not limited to the following:

- Drivers and barriers of modern technology implementation for sustainability in manufacturing processes;
- Intelligent decision support for sustainable manufacturing practices;
- Simulation and modeling in sustainable manufacturing;
- Blockchain technology for sustainable manufacturing;
- BDA for sustainable manufacturing;
- Digital twin-driven intelligent manufacturing for sustainability;
- Internet of Things solutions in manufacturing for sustainability;
- Manufacturing data management for sustainability and circular economy;
- Operator 4.0/5.0 concept for sustainable manufacturing;
- Multicriteria decision-making for sustainable manufacturing and logistics in the supply chain context.

Guest Editor

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closed (31 March 2026)



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About the Journal

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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