Special Issue

Advancements in Sustainable Manufacturing Systems and Risk Management

Message from the Guest Editors

Industry 5.0 shifts manufacturing beyond efficiency, focusing on human-centricity and sustainability. Integrating digital technologies with human expertise demands balancing innovation with environmental and social responsibility. Key areas include risk management, cybersecurity, and workforce empowerment. Technologies like Al and digital twins enhance planning and risk response, while human-centric approaches promote collaboration and ethical Al. This Special Issue invites research and reviews on strategies and technologies for sustainable, and human-centered manufacturing:

- Industry 5.0 and human-centric manufacturing;
- Sustainable and resilient manufacturing systems;
- Risk management in Industry 4.0 and 5.0;
- Al, machine learning, and decision intelligence in manufacturing;
- Cybersecurity in smart and connected factories;
- Circular economy and lifecycle assessment;
- Renewable energy integration in industrial processes;
- Green and ethical supply chain management;
- Collaborative robotics and augmented workforce;
- Lean, agile, and adaptive manufacturing strategies;
- Digital transformation and intelligent automation.

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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

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