

Special Issue

Advances in Sustainable Design for Advanced Manufacturing

Message from the Guest Editors

The rapid acceleration of advanced manufacturing, encompassing additive, digital, and smart technologies, offers powerful opportunities to transform production systems and innovation cycles. We invite interdisciplinary contributions from engineering, design, and policy that highlight pathways towards sustainable production. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but not limited to) the following: 1. Sustainable design approaches: design for disassembly, remanufacturing, circular economy models; 2. Advanced manufacturing technologies: additive, digital, and hybrid methods for sustainable outcomes 3. Digital and smart solutions: AI, machine learning, and digital twins supporting decision-making 4. Energy and emissions reduction: strategies for waste minimisation, energy efficiency, and carbon reduction 5. Assessment methodologies: advances in LCAs, metrics, and sustainability frameworks 6. Policy and systems perspectives: supply chains, industrial ecosystems, standards, and governance

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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.

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