



Sustainable Circular Economy in Industry 4.0

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Message from the Guest Editors

Dear Colleagues,

The focus of this Special Issue is on circular economy and Industry 4.0 research that can improve sustainability practices, efficiency, and performance in organizations through resource and technological support optimization in the multisensory immersive extended reality-based digital economy. The scope is to integrate research clarifying how smart product manufacturing, artificial intelligence algorithms, and big data processing and blockchain technologies enable sustained circular supply chain operations and performance, management practices, and product digitalization. The purpose is to show how Artificial Intelligence of Things, cloud computing services, and digital twin simulation and modeling technologies assist sustainable product management decision-making in resource planning and logistics, optimizing economic and environmental performance. This Special Issue aims to supplement, or relate to, the existing literature by integrating research, demonstrating how renewable energy and low-carbon technologies can be deployed in the organizational management and decision support of circular and sustainable smart production and manufacturing processes.





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Message from the Editor-in-Chief

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