

Special Issue

Circular Economy and Sustainable Business Management: The Catalytic Role of Green Technologies

Message from the Guest Editors

In the knowledge economy era, amid climate change and resource scarcity, shifting from a linear to a circular economy (CE) is critical for sustainable business development. Green technologies are key catalysts accelerating this transition and reshaping sustainable business management (SBM). This Special Issue explores their multi-dimensional role in linking CE principles with SBM practice, integrating theory, evidence, and cross-sectoral experience. Covering the CE and SBM value chain including resource recycling, eco-efficient production, circular supply chains, and low-carbon business models, it analyses how renewable energy, digital twins, and biodegradable materials optimize resources and reduce environmental impacts, while discussing institutional support, stakeholder cooperation, cost-benefit issues, and regional variations. Through interdisciplinary research, this Special Issue offers a platform for scholars, practitioners, and policymakers to share insights, clarify how green technologies advance CE and SBM, and provide practical guidance for businesses to reach economic, environmental, and social synergies toward a low-carbon, resilient global economy.

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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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