

Special Issue

Digitalization and Circular Sustainability Development

Message from the Guest Editors

The accelerating wave of digitalization offers transformative opportunities and complex challenges for the development of circular sustainability. As global demands for resource efficiency, waste reduction, and sustainable consumption intensify, digital technologies are reshaping circular economy practices. This Special Issue invites submissions of interdisciplinary contributions exploring how digitalization can foster, accelerate, or hinder the transition to a circular, sustainable future. We welcome original research addressing the following topics:

- AI, IoT, and digital twins for optimizing resource loops, circular manufacturing, and waste minimization.
- Blockchain for achieving transparent supply chains and circular value networks.
- Digital platforms enabling sharing economies, product-service systems, and reverse logistics.
- Big data analytics for resource efficiency and sustainable consumption patterns.
- Digital monitoring systems for circular material flows and extended product lifecycles.
- Consumer engagement with circular practices via digital interfaces.
- Case studies of digital solutions applied in sectors such as manufacturing, agriculture, or energy

Guest Editors

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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. *Sustainability* publishes original research articles, review 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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