

Special Issue

Digitalization and Its Application of Sustainable Development

Message from the Guest Editor

Sustainability digitalization, also known as sustainable digital transformation, refers to the process of digitalizing the economy in a long-lasting green way to meet these goals. Digitalization, environmental factors, and social and economic factors are, indeed, interlinked. Sustainable digitalization relies on innovative technology solutions, such as Industry 4.0, AI, Big Data, and the cloud, to generate unique opportunities and strategically address challenges. Sustainability digitization also delivers efficiency improvement in varied aspects of policy-making, organization management, innovative engineering and technology advancement, resulting in new policies, business models and processes. However, it must be acknowledged that, at the same time, digitalization presents organizations with challenges, such as data security, resource efficiency, and skill shortage for digital transformation. Therefore, for this Special Issue, we seek papers presenting digitalization methodologies, approaches and case studies for sustainability applications that provide insightful knowledge to shed light on how digitalization can assist sustainability improvement.

Guest Editor

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Deadline for manuscript submissions

closed (31 October 2024)



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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.

Editor-in-Chief

Prof. Dr. Marc A. Rosen

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