

Special Issue

Achieving Sustainable Development Goals Using Modern Technologies Including AI

Message from the Guest Editors

While global attention to sustainability grows, rapid advances in technologies such as big data, IoT, cloud computing, and AI are creating new opportunities across sectors. These tools enable improved environmental data processing, resource optimization, and the identification of cleaner technologies, supporting sustainable development and the achievement of SDGs. Applications already span areas such as food waste reduction, sustainable logistics, precision agriculture, energy efficiency, and smart cities. They also contribute to social inclusion, reinforcing the economic, environmental, and social pillars of sustainability. However, these technologies also present risks, including privacy concerns, bias, and high energy consumption linked to AI systems. This Special Issue explores how modern technologies can effectively support sustainable development across sectors. We invite theoretical, empirical, and applied studies using qualitative, quantitative, or mixed methods to examine their role in achieving SDGs, including topics such as circular economy, sustainable supply chains, agriculture, smart cities, renewable energy, and societal transformation.

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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. 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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