

Special Issue

Artificial Intelligence and Emerging Data-Driven Solutions for Sustainable Systems

Message from the Guest Editor

This Special Issue explores the transformative role of AI and data-driven technologies in addressing critical sustainability challenges. The scope spans diverse domains, including energy, agriculture, urban development, and healthcare, focusing on solutions that align with global sustainability goals. The focus on sustainable systems situates this issue at the intersection of two key research domains: artificial intelligence and sustainability science. It builds upon and contributes to the existing literature in several ways:

- AI and Sustainability: This SI expands on these applications by addressing emerging challenges and integrating novel technologies such as hybrid AI frameworks.
- Data-Driven Decision Making: This SI contributes to this body of knowledge by exploring more sophisticated data-driven approaches, including real-time analytics and edge computing.
- IoT and Smart Systems: The SI explores synergies between IoT and AI for enhanced sustainability outcomes.
- Ethics and Social Implications: This SI aims to bridge this gap by incorporating ethical frameworks specifically tailored for AI applications in sustainability.

Guest Editor

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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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