Special Issue

Advancing Sustainable Development Through Artificial Intelligence (AI)

Message from the Guest Editors

We are pleased to invite you to contribute to a Special Issue titled *"Advancing Sustainable Development through AI"* in the *Sustainability* journal. As the world faces the pressing challenges of climate change, resource depletion, and social inequality, the role of AI in driving sustainable development has become increasingly significant. AI offers the potential to optimize resource usage, enhance decision-making processes, and build more resilient and equitable systems, making it a critical area of research in our journey toward a sustainable future. We welcome submissions on the following themes:

- AI for Climate Change Mitigation and Adaptation
- AI-driven Resource Management (e.g., Water, Energy, Agriculture)
- Smart Cities and Sustainable Urban Planning
- AI in Environmental Monitoring and Conservation
- Ethical and Social Implications of AI in Sustainable Development
- AI-based Decision Support Systems for Sustainable Practices
- Integration of AI with IoT for Sustainable Solutions

We look forward to receiving your contributions and showcasing innovative research that advances the field of sustainable development through the application of AI.

Guest Editors

Dr. Hossein Bonakdari

Dr. Ebrahim Ghaderpour

Prof. Dr. Silvio José Gumiere

Deadline for manuscript submissions

28 October 2025

About the Journal

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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