Special Issue

The Application of Machine Learning and AI Technology Towards the Sustainable Development Goals

Message from the Guest Editor

The advancement of machine learning (ML) and artificial intelligence (AI) has opened new avenues for addressing the United Nations' Sustainable Development Goals (SDGs). The application of these technologies can provide innovative solutions to environmental, economic, and social challenges. In this Special Issue, we aim to explore novel AI-driven methodologies that promote sustainability in various sectors, including, but not limited to, climate change mitigation, smart energy management, green transportation, and resource optimization. AI and ML technologies offer groundbreaking approaches for sustainable development by optimizing energy usage, improving climate resilience, enhancing waste management strategies, and driving smarter infrastructure planning. With the global push towards carbon neutrality and sustainable industrialization, it is imperative to investigate and disseminate AI-based methodologies that contribute to a more sustainable future. This Special Issue seeks to highlight state-of-the-art research and review articles that align with the overarching theme of sustainability through AI advancements.

Guest Editor

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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

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