

Special Issue

Future Directions in Energy Transition and Sustainable Management

Message from the Guest Editor

The rapid evolution of energy systems, driven by technological advancements and increasing environmental concerns, demands innovative approaches to manage and optimize these systems sustainably. Artificial intelligence (AI) and machine learning (ML) have emerged as powerful tools, revolutionizing how energy systems are analyzed, optimized, and managed. This Special Issue, titled "Future Directions in Energy Transition and Sustainable Management", aims to explore the intersection of AI/ML applications, optimization strategies, and environmental mitigation methods within interconnected grid frameworks. The primary aim of this Special Issue is to gather cutting-edge research and comprehensive reviews that address the challenges and opportunities in energy transition and sustainable management. Its scope aligns with the journal's mission to advance scientific understanding and practical solutions in the field of energy systems and 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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