

Special Issue

AI-Driven Energy Transition and Urban Efficiency for Low-Carbon Growth

Message from the Guest Editors

In this Special Issue, original research articles and reviews are welcome. Research areas may include (but not limited to) the following:

- Economic mechanisms through which artificial intelligence drives energy transition;
- AI-enabled improvements in urban efficiency, energy productivity, and green total factor productivity;
- Digital innovation, resource allocation, and structural transformation in energy-intensive and urban industries;
- Smart energy systems, renewable energy integration, and data-driven optimization;
- Evaluation of energy, climate, and digital policies using big data, machine learning, and econometric methods;
- Spatial and regional heterogeneity in urban energy efficiency and low-carbon outcomes;
- Governance frameworks, institutional design, and policy implications for AI-enabled energy and urban systems;
- Green finance, FinTech, and investment strategies supporting digital and low-carbon transitions;
- Other topics related to energy transition, urban efficiency, and low-carbon development in the era of artificial intelligence.

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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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