Special Issue

The Role of Energy Systems and AI in Energy Transition, Economic Resilience, and Sustainable Development

Message from the Guest Editors

The **scope** of this Special Issue covers a broad range of interdisciplinary topics at the intersection of energy systems, technology, economics, energy security, and economic development. It is expected to cover topics related to energy transition, energy poverty, energy security, conflicts, the use of AI in improving energy efficiency, forecasting demand and integrating renewable energy sources into traditional energy infrastructures, and the economics of other alternative fuels in future energy systems (e.g., hydrogen). Additionally, the issue will explore the role of foreign direct investments, trade integration, and the impact of environmental regulations on renewable energy transition. The issue also aims to offer new empirical evidence, case studies, insights, and recommendations. We invite researchers and practitioners to contribute to this Special Issue and help to advance this field's growing knowledge. The issue provides a platform for sharing insights, strategies, and solutions that address the challenges and opportunities of the global energy transition.

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Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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