

Special Issue

Sustainable Development: From Energy Efficiency and Energy Economic Perspectives

Message from the Guest Editor

As the global energy landscape undergoes a transformation driven by climate change, policy shifts, technological innovation, and socio-economic pressures, understanding the nexus between energy use, efficiency, and economic performance is more important than ever. This Special Issue aims to explore the critical role of energy efficiency and economic mechanisms in advancing sustainable development. The scope of this Special Issue includes, but is not limited to, the following topics:

- Energy efficiency in the industrial, building, and transport sectors;
- Economic analysis of energy transitions and sustainability policies;
- Renewable energy integration and its economic impact;
- Techno-economic assessments of energy systems;
- Energy demand modeling and forecasting for sustainable planning;
- Circular economy and energy resource optimization;
- Environmental and economic trade-offs in energy systems;
- Carbon pricing, subsidies, and financial instruments for energy sustainability;
- Energy poverty, equity, and inclusive economic growth;
- Life-cycle assessments and cost-benefit analyses of energy projects

Guest Editor

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About the Journal

Message from the Editor-in-Chief

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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