Special Issue

New Challenges in Energy Efficiency and Management for Sustainable Energy Systems

Message from the Guest Editors

The transition to sustainable energy systems is crucial to tackling climate change, energy security, and resource scarcity. As renewable integration, digitalization, and decarbonization reshape the global energy landscape, innovative approaches to energy efficiency and management are essential. This Special Issue invites contributions from researchers, engineers, and policymakers on technological advances, policy frameworks, and best practices for sustainable energy systems. We welcome high-quality original research and review articles focusing on innovative methods, technologies, and strategies that improve energy performance, reduce waste, and support a low-carbon future. Topics include, but are not limited to:

- Advanced energy efficiency technologies and applications
- Integration and management of renewable energy
- Smart energy systems and digital solutions
- Energy storage and demand-side management
- Policy, economics, and behavioral aspects
- Sustainable energy in transport and industry

We encourage interdisciplinary work combining technical, policy, and socio-economic perspectives. Join us in advancing knowledge and solutions for a resilient and sustainable energy future.

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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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