

Special Issue

Recent Advances on Renewable Energy Systems Toward Sustainable Development

Message from the Guest Editors

This Special Issue focus on global transition toward clean and sustainable energy systems. It captures all related technologies—such as solar, wind, geothermal, biomass, hydropower, and combinations of hybrid systems—along with breakthrough system integrations, including energy storage, autonomous operation, energy management, and minimal environmental impact. We welcome contributions that explore and apply sustainable design, zero environmental impact, and novel integration strategies in zero-carbon infrastructure alongside energy security. Topics of interest include, but are not limited to, the following:

- Renewable energy systems and energy storage
- Emerging clean technologies in sustainable development
- Environmental impacts (LCA, LCC)
- Smart grids and integrated energy systems
- Hydrogen energy, fuel cells, and water electrolyzers
- Energy efficiency and optimization
- Green policies and energy transition
- Energy management, control systems, and optimization

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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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