Special Issue

Energy Storage, Conversion and Sustainable Management

Message from the Guest Editors

The shift towards a global energy system aligned with the 2050 Paris Agreement necessitates a swift adoption of clean energy resources across all sectors; a transition that not only demands the rapid incorporation of renewable energy resources but also aims at the expansion of clean energy technologies as a key enabling factor facilitating low-CO2 energy systems and enabling the achievement of carbon neutrality in the coming decades.

This Special Issue specifically delves into the most recent research, case studies, and exemplary practices concerning the utilization of clean energy technologies across many diverse applications. It encompasses a range of methods, procedures, technologies, and energy conversion systems involved in the efficient and low-emission recovery, utilization, conversion, and storage of energy for heating, cooling, and power generation. Keywords

- energy conversion
- decarbonization
- energy transition
- cleaner technologies
- energy efficiency
- hydrogen
- carbon capture
- storage and utilization
- electrical and thermal energy storage
- energy planning
- waste heat recovery
- sustainable development
- sustainable energy systems

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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. *Sustainability* publishes original research articles, review 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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