

Special Issue

Energy Storage and Integration of Renewable Energy Systems towards Energy Sustainability

Message from the Guest Editors

As the world transitions towards cleaner and more sustainable energy sources, the importance of efficient energy storage and the seamless integration of renewable energy systems becomes paramount. The intermittent nature of renewable energy sources, such as solar and wind power, necessitates effective storage solutions to ensure a stable and reliable energy supply. Furthermore, the successful integration of these systems into existing energy infrastructure plays a pivotal role in maximizing their benefits and reducing reliance on fossil fuels. This Special Issue seeks original research and review articles that present new findings and innovative technologies in the areas of energy storage and the integration of renewable energy systems. We encourage submissions with a strong applied focus, emphasizing practical solutions and real-world implementation. Manuscripts should address the challenges associated with energy storage technologies, explore novel approaches for integrating renewable energy systems into the grid, and highlight the potential environmental and economic benefits of these advancements. We look forward to receiving your contributions.

Guest Editors

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Prof. Dr. Wen Zhang

Dr. Yongliang Liang

Dr. Muhammad Mamdouh Kabsha

Deadline for manuscript submissions

closed (31 May 2025)



Sustainability

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Impact Factor 3.3
CiteScore 7.7



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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. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full 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.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

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