Special Issue

Advanced Electric Energy Conversion and Storage for Sustainable Energy Systems

Message from the Guest Editor

This Special Issue focuses on cutting-edge technologies and advancements in electric energy conversion and storage that are pivotal for developing sustainable energy systems. As the transition to renewable energy sources accelerates, there is an urgent need for innovative solutions that enhance the efficiency, reliability, and scalability of energy conversion and storage. This issue presents a range of research articles and case studies exploring the latest developments in advanced electric energy technologies. Topics include high-performance batteries, supercapacitors, fuel cells, and novel energy conversion methods. Contributions should also address challenges and future directions in improving energy storage density, lifecycle performance, and cost-effectiveness. By highlighting these advancements, the Special Issue aims to provide valuable insights for researchers, engineers, and policymakers dedicated to advancing sustainable energy solutions and supporting the global shift towards cleaner energy systems.

Guest Editor

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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.

Editor-in-Chief

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