

Special Issue

Next Generation Energy Storage – A Key to Environmental Sustainability

Message from the Guest Editor

Sustainable energy is the most critical factor for us, humans, to exist on this planet and for this planet to support us. Solar, wind, and other green energy technologies are developing fast. However, they are not available 24/7, or reliable in the long term without safe, efficient, and eco-friendly energy storage that is the key to sustainable energy. The great challenge of environmental sustainability depends on our recognition that sustainable energy requires the development of a critically important next-generation energy storage technology. Conventional energy storage does not meet the requirements relevant to safety, efficiency, and cost. Thus, fundamental changes are necessary that can be achieved by developing new materials, using economically feasible manufacturing to serve a broad range of applications, including electric vehicles and electric power grids operating on eco-friendly solar and wind energy. This Special Issue addresses the most recent scientific studies emphasizing successful steps in minimizing climate change by introducing new energy storage and generation technologies.

Guest Editor

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Deadline for manuscript submissions

closed (30 September 2021)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



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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.

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