

Special Issue

Sustainable Development of Energy Conversion and Storage Devices

Message from the Guest Editors

This Special Issue aims to address advances and perspectives in scientific research on sustainable materials, processes and systems for possible application in energy storage and conversion devices that will be part of the upcoming energy transition. The contributions are expected to cover, but will not be limited to, the material science aspects of the components of the devices (fuels, catalysts, inert materials, etc.) and the processes in which they are involved (from the synthesis to the energy production and environmental impact). Fuel cell systems contribute to sustainability and environmental issues thanks to the physical chemistry of the hydrogen electrochemical oxidation which increases energy conversion efficiency and reduces pollutant emissions to zero. Green and sustainable characteristics involved in energy conversion/charge storage devices, processes, and systems are crucial in order to be ready for the energy transition era and the climate challenge. This Special Issue aims to collect eminent contributions from scholars with diverse backgrounds to discuss all aspects of this topic.

Guest Editors

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Deadline for manuscript submissions

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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.

Editor-in-Chief

Prof. Dr. Marc A. Rosen

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