

Special Issue

New Energy Vehicles (NEVs): Batteries, Fuel Cells and Energy Storage System

Message from the Guest Editors

With the international trend of carbon neutralization and peaking, NEVs are one of the most important means of achieving that goal for the transportation sector and power grid industry. NEVs and the power grid industry will deeply integrate for coordinated development. NEVs will play an important role in the progress of the energy revolution. NEVs depends mostly on breakthrough energy storage systems, covering advanced material development, the design and manufacture of battery cells, packing technologies and smart management systems. Moreover, charging, infrastructure, and the development of energy feeding systems are important cornerstones for the large-scale penetration of NEVs. The repurposing and recycling of retired power batteries are also key for ensuring the sustainable development of NEVs. This Special Issue focuses on all the innovative technologies in the whole technological chain of power batteries, fuel cells and other energy systems with respect to sustainability, covering all the stages of the research process, including mechanisms, materials, modeling, simulation, testing and standards.

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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. 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

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