

Special Issue

Batteries and Energy Storage Systems: Towards a Sustainable Energy Future

Message from the Guest Editors

This Special Issue invites articles that address all the aspects related to advancements in battery/energy storage technologies and management concerning stationary and mobility applications. Topics of interest for publication include, but are not limited to, the following:

- Novel approaches and power configurations in battery management systems for electric mobility;
- Battery status monitoring, both diagnostic and prognostic;
- Multifunctional battery systems and materials supporting the development and testing of structural battery applications;
- Hybrid energy storage systems, with reference to the integration and management of high-specific energy and power storage devices;
- Novel systems and methods with which to guarantee optimal battery thermal management focused on phase change materials and liquid-based systems;
- Hydrogen-based configurations to supply either vehicle or micro-grid applications;
- The smart management of energy storage for the optimal integration of renewable and distributed energy sources.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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