## Special Issue

## Electrochemical Energy Storage Systems and Applications

### Message from the Guest Editors

Dear colleagues, Energy storage systems have been needed to improve power reliability and quality. The need to develop energy storage systems with low costs, low risks, high round-trip efficiency and long cycle life is recognized as an urgent priority. The development of energy storage can contribute to the advances in novel materials with designed morphologies and structures, characterization techniques, modern modelling tools and developed new-type energy storage devices. In addition, the growing studies on energy storage and applications can push forward the rapid development of mobile applications. This Special Issue aims to present the most advances related to the design, fabrication, characterization, modelling, application and improvement of energy storage systems. Topic of interest for publication include, but are not limited to:

- Strategies and policies of energy storage materials
- Batteries, fuel cells, capacitors
- Micro- and nanoenergy conversion systems
- New-type energy storage devices
- Advanced modelling methods for energy storage systems
- Advanced pretreatment methods of spent energy storage devices
- Battery safety

#### **Guest Editors**

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### Deadline for manuscript submissions

closed (28 February 2025)



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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.

### Editor-in-Chief

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