

Special Issue

Lithium Batteries and Fuel Cells for a Sustainable Future

Message from the Guest Editors

To address the climate crisis and build a net-zero carbon emission society, the world has witnessed incredible growth in demand for developing renewable energy storage and conversion technologies. This special issue is intended to bring the latest updates in the field of lithium batteries and fuel cells. Original research articles and reviews are welcome. Research areas may include (but not limited to) the following:

- Stabilizing anodes in lithium-ion batteries and lithium-metal batteries
- Electrolyte design for advanced batteries
- Separators modification for lithium batteries
- Developing novel binders for batteries
- Advanced cathode materials with high energy densities
- Electrode-electrolyte interphase
- Catalyst development for fuel cells
- Advanced membranes for fuel cells
- Aging problems for fuel cells
- Heat and mass transport in fuel cells or batteries
- Computational design and optimization of fuel cells and fuel cell systems
- Advanced characterization techniques
- Theoretical simulation and modeling

Guest Editors

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Deadline for manuscript submissions

closed (28 August 2023)



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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. 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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