



Lithium Batteries and Fuel Cells for a Sustainable Future

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Deadline for manuscript
submissions:
closed (28 August 2023)

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:

1. Stabilizing anodes in lithium-ion batteries and lithium-metal batteries
2. Electrolyte design for advanced batteries
3. Separators modification for lithium batteries
4. Developing novel binders for batteries
5. Advanced cathode materials with high energy densities
6. Electrode-electrolyte interphase
7. Catalyst development for fuel cells
8. Advanced membranes for fuel cells
9. Aging problems for fuel cells
10. Heat and mass transport in fuel cells or batteries
11. Computational design and optimization of fuel cells and fuel cell systems
12. Advanced characterization techniques
13. Theoretical simulation and modeling





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Message from the Editor-in-Chief

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