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## Understanding Li-Ion Batteries, Fuel Cells and Successive Technologies

Guest Editor:

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Deadline for manuscript  
submissions:

**closed (10 December 2021)**

### Message from the Guest Editor

Dear Colleagues,

This Special Issue is focused on new insights from different perspectives into energy storage systems, which will open an avenue of significant improvements. Potential topics include but are not limited to:

- New insights in the functionality of a battery and fuel cell;
- Advanced or new structural or analytic methods applied to energy-related materials;
- In situ inspection of battery and fuel cell reactions;
- Atmospheric-free inspection possibilities;
- Machine learning and Artificial Intelligence applied to battery and fuel cell characterization;
- Studies on the cathode, anode, and separator;
- Studies of the surface electrolyte interface (SEI), cathode electrolyte interface (CEI), and electrolyte;
- Diagnostics on the loss of inventory Li;
- Detection of lithium.

Dr. Ute Golla-Schindler  
*Guest Editor*



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# Special Issue



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## 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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