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Sustainability for EV Batteries and Battery Materials: Optimization, Second-use, and Recycling

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Deadline for manuscript submissions:
closed (31 December 2022)

Message from the Guest Editors

We are organizing this Special Issue with the goal of finding sustainable solutions for EV batteries. The Special Issue will publish high-quality full research articles and reviews addressing the above topics.

Potential topics include, but are not limited to, the following research areas:

1. Lithium-ion battery lifespan management.
2. Lithium-ion battery second-use (reuse).
3. Lithium-ion battery recycling.
4. Degradation mechanisms and characterization methods.
5. State of health (SoH) estimation, lifetime diagnosis, and prognosis methods.
6. Experimental techniques for testing and characterization.
7. Controllable synthesis of electrode materials.
8. Structural design and regulation of commercial batteries.
9. Enrichment methods of lithium, cobalt, nickel, etc. from failed batteries.
10. Purification methods of the above valuable elements.

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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. *Sustainability* publishes original research articles, review 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.

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