

## Special Issue

# Green Separation and Recovery Technologies for Sustainable Lithium-Ion Battery Manufacturing and Recycling Systems

### Message from the Guest Editor

This Special Issues will present and disseminate the most recent advances related to the process design, modelling and optimization of all types of sustainable separation and recovery technologies in both lithium-ion battery manufacturing and recycling systems. Topics of interest for publication include, but are not limited to, the following:

- All aspects of sustainable chemical separation and recycling technologies in battery manufacturing and recycling systems;
- Development and intensification of sustainable process systems for battery production and recycling;
- Process modeling, simulation, and validation of sustainable battery manufacturing and recycling systems;
- Model-based operation optimization for improving sustainability in battery manufacturing and recycling;
- Techno-economic analysis and life-cycle assessment of battery manufacturing and recycling systems;
- Development of sustainable supply chain frameworks integrating battery manufacturing and recycling.

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### Guest Editor

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### Deadline for manuscript submissions

closed (5 May 2026)



## Energies

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### Message from the Editor-in-Chief

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### Editor-in-Chief

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