

## Special Issue

# Batteries Safety and Thermal Management for Electric Vehicles

### Message from the Guest Editors

In this Special Issue, we aim to gather the latest research findings in the field of battery safety and thermal management for electric vehicles worldwide. Our goals are to explore key technical issues—such as battery thermal runaway mechanisms, thermal management system designs, material innovation, fault diagnosis and prevention—and to promote breakthroughs and applications of related technologies to provide valid support for the sustainable development of the electric vehicle industry. Topics of interest include the following: Battery thermal runaway mechanisms and prevention; Thermal management system and strategy design; Fault diagnosis and protection technologies; Artificial intelligence for the design of safe batteries; Battery state estimation and degradation management; Battery materials and technological innovations for safety; Thermal runaway simulations and experiments; Battery thermal simulations and experiments.

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### Guest Editors

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### Deadline for manuscript submissions

closed (15 November 2025)



## Batteries

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### Message from the Editor-in-Chief

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