# Special Issue

# Processes and Advances in Electrode Materials for Lithium-Ion Batteries

## Message from the Guest Editors

Lithium-ion batteries are ubiquitous in today's world and have changed the way that we live since their first commercialization in the 1990s. The development of lithium-ion batteries relies on the advancement of high-performance active materials for batteries. This Special Issue will focus on the recent advances in electrode materials for lithium-ion batteries, aiming to highlight the latest breakthroughs in material science, improve battery efficiency, and promote sustainable energy storage solutions. This Special Issue will provide a comprehensive overview of cutting-edge research that drives the evolution of lithium-ion battery technology and supports the transition to cleaner energy systems. Topics covered by this Special Issue include but are not limited to the following:

- Novel anode materials;
- Advanced cathode materials;
- Battery materials synthesis;
- Working mechanism of electrode materials ;
- Battery material degradation;
- Performance enhancement strategy.

## Guest Editors


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## Deadline for manuscript submissions

closed (5 January 2025)


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# About the Journal

## Message from the Editor-in-Chief

Take the opportunity to publish your original scientific work or a review paper concerning battery materials, battery technology or battery application within this new open access journal. Along with material science, the journal also addresses engineering and multidisciplinary research topics, such as cell and system design or storage system integration. Publishing proffers visibility for the benefit of other experts and facilitates discussion of the research results within the field. You are invited to publish your work, read published papers and to participate in topical discussions.

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