

## Special Issue

# Lithium-Ion Batteries: Recent Modeling and Design

### Message from the Guest Editors

Dear colleagues, The mitigation of CO<sub>2</sub> emissions is the key environmental challenge of the coming years. To face this challenge, fossil fuel consumption must be reduced in the transport medium by developing new technologies. Electrification is one of the main current actions to achieve this reduction in road transport, as EU Horizon 2030 targets foresee a 40% reduction in CO<sub>2</sub> emissions per km. However, for general public acceptance, electrified vehicles require better performance and fast charging capabilities. Lithium-ion battery (LIB) technology is the energy storage of choice for these vehicles. This crucial element is still subject to further development to improve its performance, life, safety, and cost. We kindly invite you to submit your relevant work in the field of “Lithium-Ion Batteries: Recent Modeling and Design” for consideration for publication. This Special Issue represents an opportunity to gather the most recent advances in this field with application to sustainable transportation.

### Guest Editors

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### Deadline for manuscript submissions

20 August 2025



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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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