# Special Issue

# Advanced Materials for Lithium Ion Based Next Generation Batteries

### Message from the Guest Editor

Advanced materials for Li-based next-generation batteries aim to cover up-to-date and innovative development and research on Li next-generation batteries. Innovative strategies and competitive designs for developing high-quality electrodes for the indigenous production of Li-based next-generation batteries are urgently required. Statistics have revealed electric vehicles (EVs) to be the future and have suggested that lithium will play an important role. Hence, it is an active area of scientific investigation. The goal is to develop high-performance batteries that can store more energy, charge faster, and last longer than current lithium-ion batteries, while meeting the growing demand for energy storage in a range of applications, from electric vehicles to renewable energy systems.


### Guest Editor

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### Deadline for manuscript submissions

closed (20 July 2024)


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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

## Editor-in-Chief

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