

## Special Issue

# Green and Sustainable Materials for Li-Ion Batteries

### Message from the Guest Editors

The huge demand for materials for these storage systems will require a considerable energy input in extraction, processing, and materials formulation. Therefore, one strategy to minimize the impact of this development on our environment will be to study greener and more sustainable materials and processes, in particular for the well-known Li-ion battery.

Environmental safety is also compromised by the use of fluorinated salts in the electrolyte and fluorinated materials in electrodes, the latter also involving the use of toxic solvents for processing. Hence, the development of eco-friendly materials and processes is crucial to answer environmental challenges. The aim of this Special Issue is therefore to gather innovative studies on new materials and processes towards low-cost, sustainable and greener Li-ion batteries. Topics of interest include (but are not limited to) Nature-inspired active materials, carbons obtained from waste organic materials, bio-polymers (or bio-derived polymers), aqueous binders, green processes and so on.

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### Deadline for manuscript submissions

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## Batteries

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