

## Special Issue

# Recycling and Reusing of Spent Batteries

### Message from the Guest Editors

Today, Li-ion batteries are the most common energy-storage devices for portable electronics, and their use is rapidly increasing in the fields of transportation and renewable energy accumulation.

The growing use of these energy-storage devices is clearly connected to an increase in the number of disposed of batteries. This motivates the development of reusing and recycling technologies to mitigate the environmental impact of their disposal and to recuperate valuable components within the spent batteries. On one hand, a lot of electronic waste includes secondary batteries that are not spent yet and could be reused for a large number of additional cycles under adequate management. On the other hand, spent batteries (those that are either deteriorated or their packaging makes their reuse unpractical) require recycling processes with selective separation procedures to recuperate the valuable and/or dangerous components, such as cobalt, lithium, graphite, or phosphorous.

This Special Issue compiles cutting edge review and research papers addressing resource-efficient and economically-feasible reuse and recycling processes for modern secondary batteries.

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### Guest Editors

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### Deadline for manuscript submissions

closed (31 July 2020)



## Applied Sciences

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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.

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### Editor-in-Chief

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