



Electrochemical Battery Lifetime Testing, Analysis and Estimation

Guest Editor:

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Deadline for manuscript
submissions:

closed (15 December 2018)

Message from the Guest Editor

Dear Colleagues,

In the past decade, electrochemical batteries have been developed as the key energy storage technology for a wide range of applications, from portable devices to electric vehicles and renewable energy storage systems. In order to benefit from their characteristics and to assess their suitability for a certain application, the lifetime and degradation behavior (e.g., capacity fade, power degradation) of a battery needs to be known and understood. This Special Issue of *Batteries* focuses on various aspects regarding the lifetime and degradation behavior of batteries.

Assoc. Prof. Daniel-Ioan Stroe

Guest Editor

keywords

- Electrochemical Batteries
- Lifetime Testing
- Accelerated Ageing
- Capacity Fade and Power Degradation
- Calendar and Cycle Lifetime
- Performance-Degradation Modeling
- Lifetime Estimation and Investigation
- Aging Mechanisms





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Journal Rank: JCR - Q2 (Electrochemistry) / CiteScore - Q2 (Electrical and Electronic Engineering)

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