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Battery Aging Diagnosis and Prognosis

Guest Editor:

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Deadline for manuscript submissions:
closed (20 April 2024)

Message from the Guest Editor

Dear Colleagues,

Batteries have become vital in our tech-driven world, powering everything from portable electronics and electrical vehicles to massive grid storage systems. Yet, as they become more common, the challenge of battery aging becomes more urgent. This Special Issue is devoted to exploring the multifaceted aspects of battery lifespan and degradation. It seeks to explore the underlying mechanisms of aging, showcase advanced diagnostic methodologies, and reveal predictive techniques that can anticipate a battery's future health trajectory. By emphasizing both diagnostic and prognostic methodologies, this Special Issue aims to bring forth innovative strategies that extend the lifespan of batteries, and enhance their safety and efficiency. By considering research with various practical applications, it aims to present a comprehensive overview that could shape the next wave of advancements in battery technology and management.

Dr. Xiaolei Bian
Guest Editor

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Message from the Editor-in-Chief

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