



## Security Issues in the Research and Application of Renewable Energy

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### Message from the Guest Editor

Dear Colleagues,

Ever-increasing energy demands from both grid-scale or portable energy storage systems have consistently led to serious environmental crises and issues globally. The rapid development, for example, of electric cars and portable electric devices has stimulated the revolution of batteries technology, while imposing great challenges on our limited resources on earth and the wellbeing of our environment and ecosystem. Therefore, a current analysis of the impact of current energy storage systems on the ecosystem is urgently needed. A clean energy storage system is highly important to replace or upgrade current non-renewable natural resources-based energy storage systems such as thermal power generation and Li-ion batteries.

Current research relating energy usually pursues a high energy density or power density. Therefore, a focus on the impact of circular economy on these energy storage studies can be a good addition to the current research. This Special Issue would provide a window to show some study efforts in the aforesaid fields, and promotes interdisciplinary research to achieve the ultimate goal of environmental sustainable development.





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