



Advanced and Sustainable Materials for Energy Conversion and Storage

Guest Editor:

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Message from the Guest Editor

The Special Issue aims to present and disseminate the most recent advances in energy conversion and storage materials, such as supercapacitors, battery materials, electrocatalysts, etc., with a focus on designing and developing the structures and understanding the mechanisms at material interfaces (e.g., the electrode–electrolyte interface) and their relationship with performance.

The topics of interest that will be covered in this Special Issue include, but are not limited to, the following:

- Polymers for flexible batteries;
- Cellulose materials for energy conversion and storage applications;
- Bio-based ordered carbon materials for supercapacitors;
- Battery electrode structural design;
- Sustainable battery electrode materials;
- Sustainable electrolytes;
- Electrolyte additives;
- Electrocatalysts;
- Materials for water splitting.





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Message from the Editor-in-Chief

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