

## Special Issue

# Advanced and Sustainable Materials for Energy Conversion and Storage

### 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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### Guest Editor

Prof. Dr. Veerle Vandeginste  
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### Deadline for manuscript submissions

closed (16 October 2023)



## Energies

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## About the Journal

### Message from the Editor-in-Chief

*Energies* is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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### Editor-in-Chief

Prof. Dr. Enrico Sciubba  
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