

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.

Guest Editor

Prof. Dr. Veerle Vandeginste
Department of Materials Engineering, KU Leuven–Bruges, 8200
Bruges, Belgium

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Energies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and Industrial Engineering, University
Niccolò Cusano, 00166 Roma, Italy

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