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Energy Storage: From Chemicals to Materials and More

Guest Editors:

Prof. Dr. Nídia Caetano

nsc@isep.ipp.pt

Dr. Danny Sutanto

danny.sut@gmail.com

Dr. António A. Martins

amartins@fe.up.pt

Dr. Hooman Farzaneh

farzaneh.hooman.961@
m.kyushu-u.ac.jp

Dr. Meisam Tabatabaei

meisam_tabatabaei@abrii.ac.ir

Prof. Dr. Carlos Felgueiras

mcf@isep.ipp.pt

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Message from the Guest Editors

This Special Issue of *Energies* aims to contribute to the energy storage agenda through a combination of multi-disciplinary and state-of-the-art scientific knowledge, to improve energy availability, security, and the performance and competitiveness of current or future renewable energy generation systems.

We invite authors of papers on innovative technical developments, reviews, case studies, and strategic and policy discussions, as well as assessments from different disciplines that are relevant to energy storage. Some examples are topics such as the development, analysis, and implementation of novel batteries; phase-change materials and their applications; energy-systems integration; life-cycle analysis of energy-storage systems; the integration of energy-storage systems in sustainable buildings; pumped-hydro energy storage; energy storage and electrical vehicles; fuel cells; hydrogen and methane as energy carriers; power-to-gas or other forms of energy storage in chemical compounds; information management; financial and economic analysis of energy storage systems; smart grids and energy systems; and energy policy; among others.



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Special Issue



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Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and
Aerospace Engineering,
University of Roma Sapienza, Via
Eudossiana 18, 00184 Roma, Italy

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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Energies
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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