

## Special Issue

# Research on Advanced Energy Materials for Meeting Global Energy Challenges

### Message from the Guest Editors

This Special Issue aims to present research data, reviewing material and case scenarios of planned or conducted implementation processes related to the usage of modern materials towards reducing the world's biggest energy problem. Potential topics for publication in that issue include, but are not limited to, the following:

- carbon-based materials for energy storage;
- hydrogen storage perspective;
- composites as energy materials;
- energy magazines;
- equipment and technologies towards the implementation of proctological energy production and consumption;
- ways of overcoming energetic exclusion;
- reduction in energy loss during transmission;
- materials used for batteries and capacitors;
- superconductivity phenomenon;
- renewable energy;
- performance analysis;
- technologies for reducing CO<sub>2</sub> emissions;
- chains of the sustainable production and consumption of energy;
- industrial scale-up of green energy approaches.

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### Guest Editors

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### Deadline for manuscript submissions

15 September 2025



## 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

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