

## Special Issue

# Advanced Functional Materials for Sustainable Energy Harvesting and Efficient Storage Solutions

### Message from the Guest Editor

This Special Issue aims to showcase the latest research advancements and innovations in the field of advanced functional materials for achieving sustainable energy harvesting and efficient energy storage systems. It provides a platform for researchers to share their cutting-edge findings, insights, and perspectives on the design, synthesis, characterization, and application of functional materials for contributing to the development of more efficient and sustainable energy technologies. Topics of particular interest include, but are not limited to:

- Novel materials for energy harvesting and storage devices
- Advanced functional materials for improving energy conversion and storage efficiency;
- Characterization techniques and modeling approaches for assessing functional materials in energy applications;
- Strategies for scalable synthesis and fabrication of functional materials for energy systems;
- Integration of functional materials into existing energy infrastructure and grid systems;
- Advances in nanomaterials, perovskites, carbon-based materials, and other emerging materials for energy applications.

### Guest Editor

Prof. Dr. Zohra Benzarti

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### Deadline for manuscript submissions

closed (29 May 2025)



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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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