

## Special Issue

# Sustainable Low-Carbon Energy Systems

### Message from the Guest Editors

This Special Issue will collect papers related to low-carbon heat and power generation technologies, with a particular emphasis on renewable integration, waste heat recovery, and energy saving techniques. In doing so, it will offer insights into new studies and findings regarding clean energy production for stationary applications in the civil, industrial and tertiary sectors, especially energy-intensive industries, such as metals, ceramics, glass, paper, chemicals, and other production processes requiring low-carbon systems. Papers on digitalization, modelling, numerical studies, and data-driven and/or physics-based approaches for performance prediction are particularly welcome. Potential Special Issue papers topics include the following:

- Clean hydrogen generation;
- Combined heat and power based on advanced prime movers;
- Solar energy and heat generation;
- Renewable heat pumps;
- High-temperature industrial heat pumps;
- Organic Rankine cycles for waste heat recovery;
- Other innovative solutions.

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### Guest Editors

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### Deadline for manuscript submissions

15 July 2026



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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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