

Special Issue

State-of-the-Art Energy-Related Technologies in Australia 2023–2024

Message from the Guest Editor

We are pleased to present this Special Issue “State-of-the-Art Energy-Related Technologies in Australia 2023–2024”. This Special Issue will provide a comprehensive overview of state-of-the-art energy-related technologies in Australia. We welcome research articles and reviews that will contribute to providing a consolidated, up-to-date perspective surrounding energy-related areas. Potential topics include but are not limited to the following:

- Distribution, planning, and operation
- Energy management
- Electric vehicles
- Intelligent control of power systems
- Load and frequency control
- Machines, AC and DC drives
- Power electronics
- Power system stability
- Renewable and distributed generation
- Smart grids
- Remote and isolated power systems with high renewable energy penetration
- Life cycle analysis
- Low-emissions technologies
- Green hydrogen
- Biofuels
- Carbon capture and storage
- Net-zero emissions
- Battery and renewable energy system integration in residential and utility applications
- Hybrid energy storage systems and power electronics
- AC and DC microgrids for remote areas

Guest Editor

Prof. Dr. Akhtar Kalam

College of Engineering and Science, Victoria University, Melbourne
8001, Australia

Deadline for manuscript submissions

closed (15 February 2025)



Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 7.3



mdpi.com/si/183786

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

[mdpi.com/journal/
energies](https://mdpi.com/journal/energies)





Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 7.3



[mdpi.com/journal/
energies](https://mdpi.com/journal/energies)



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

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, RePEc, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

CiteScore - Q1 (Control and Optimization)