

## Special Issue

# Selected Papers from PRES'24: The 27th Conference on Process Integration, Modelling and Optimisation for Energy Saving and Pollution Reduction

### Message from the Guest Editors

In collaboration with *Energies*, authors of high-quality papers from the conference are invited to submit follow-up articles extending the presented research in a dedicated Special Issue. The PRES (Conference on Process Integration for Energy Saving and Pollution Reduction) targets a wide range of topics related to energy supply, conversion, and use, for the improvement of the efficiency and sustainability of the activities in concern. Some of these topics include the following:

- Process integration for sustainable development;
- Process analysis, modelling, and optimisation;
- Total site integration;
- Heat transfer and heat exchangers;
- Energy saving and clean technologies;
- Sustainable processing and production;
- Renewable and high-efficiency utility systems;
- Footprint minimisation and mitigation;
- Operations and supply chain management;
- Waste minimisation, processing, and management;
- Batch process analysis and integration;
- Process network dynamics, flexibility, and control;
- Industrial implementation and optimisation;
- Numerical fluid flow and heat transfer simulation;
- Sustainability and process integration teaching, learning and, knowledge tools.

### Guest Editors

Prof. Dr. Petar Varbanov

Dr. Xuechao Wang

Prof. Dr. Min Zeng

Prof. Dr. Qiuwang Wang

### Deadline for manuscript submissions

closed (31 March 2025)



## Energies

an Open Access Journal  
by MDPI

Impact Factor 3.2  
CiteScore 7.3



[mdpi.com/si/211703](https://mdpi.com/si/211703)

*Energies*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[energies@mdpi.com](mailto: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)