

## Special Issue

# Nuclear and New Energy Technology

### Message from the Guest Editor

This Special Issue of *Energies* focuses on new developments in nuclear and other energy technologies. Nuclear power is one of the most promising areas for the production of electrical energy worldwide. Nuclear power plants help to meet humanity's ever-growing needs for the necessary power of electrical energy at any time of the day. There is a need to create new and improved existing technologies aimed at increasing the efficiency of electricity generation at nuclear, solar and wind power stations, as well as those aimed at meeting strict environmental safety requirements at electricity generation facilities. During the operation of nuclear power plants, special attention should be paid to processing and storing spent nuclear fuel. To do this, it is necessary to constantly conduct research, develop new technologies and carry out their modernization based on data analysis on the operation of energy facilities. Authors working in these areas are invited to publish their work in this Special Issue of *Energies*.

---

### Guest Editor

Dr. Roman Vadimovich Davydov  
Institute of Physics and Mechanics, Peter the Great St. Petersburg Polytechnic University, 195251 St. Petersburg, Russia

---

### Deadline for manuscript submissions

closed (31 August 2023)



## Energies

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 7.3



[mdpi.com/si/129083](https://mdpi.com/si/129083)

*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)