

# Special Issue

## Nuclear Energy Conversion Systems

### Message from the Guest Editor

I am pleased to announce our intent to publish a Special Issue on advancements in nuclear energy conversion systems. We are seeking contributions on all aspects of the development, design, analysis, and applications of nuclear energy conversion systems. Papers on fission and fusion systems and relevant energy conversion approaches and systems are welcome. Papers on induced and spontaneous reactions as an energy source and the relevant energy conversion methods are welcome. We would like to see papers on a broad range of nuclear energy conversion topics from energy sources, such as induced and spontaneous nuclear reactions, radioactive decay, fusion and fission, to conventional energy conversion approaches to novel energy conversion approaches such as direct nuclear energy conversion. We welcome papers on energy conversion technologies as well as on design and analysis methods including optimization strategies and attainable efficiencies. Applications and environmental impact of various energy conversion technologies are within the scope of this Special Issue as well.

---

### Guest Editor

Prof. Dr. Pavel Tsvetkov

Department of Nuclear Engineering, Texas A & M University, College Station, TX 77843, USA

---

### Deadline for manuscript submissions

closed (31 December 2021)



# Energies

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 7.3



[mdpi.com/si/82658](http://mdpi.com/si/82658)

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

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





# Energies

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 7.3

---



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

