

Special Issue

Advanced Space Nuclear Reactors

Message from the Guest Editor

This Special Issue of *Energies* on “Advanced Space Nuclear Reactors” is focused on existing and novel designs related to the advancement of nuclear reactor applications in space. The focus is on the designs, applications, and methodologies to support the deployment of these advanced systems. Topics include, but are not limited to, the following research topics:

- Fission surface power;
- Nuclear thermal propulsion;
- Nuclear electric propulsion;
- Demonstration Rocket for Agile Cislunar Operations;
- Advancements in radioisotope thermoelectric generator;
- Computational tools to support the development and licensing of nuclear space systems.

Manuscripts addressing combinations of computational tools with design challenges are also welcome.

Guest Editor

Dr. Dan Kotlyar

Georgia Institute of Technology, G. W. Woodruff School of Mechanical Engineering, Nuclear and Radiological Engineering Program, North Ave NW, Atlanta, GA 30332, USA

Deadline for manuscript submissions

closed (30 November 2023)



Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 7.3



mdpi.com/si/173005

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)