

## Special Issue

# Nuclear Instrumentation

### Message from the Guest Editors

This Special Issue on Nuclear Instrumentation focuses on new instrumentation developments for any kind of nuclear physics experiments. It includes all types of instrumentation for the detection and spectrometry of radiations from low-to-high energy processes and nuclear decays, accelerators and fragment separators, nuclear spectrometers or ion beam analysis techniques, covering major areas related to concepts and instrumentation in detector physics, accelerator science, and associated experimental methods and techniques, theory, modeling, and simulations. Those new instrumentations with medical applications and medical imaging will be considered of high interest. The Special Issue will also cover the design and operation of equipment related with nuclear plant energy production and safety, as well as related technologies. It will provide a forum to discuss and present recent research results in radiation detection technology, with a particular focus on design and deployment of radiation sensing and dosimetry instruments, particularly for nuclear decommissioning and security applications.

---

### Guest Editors

Prof. Dr. Pablo Cabanelas  
Dr. Marisol Robles Manzano  
Dr. Joochun Park

---

### Deadline for manuscript submissions

closed (31 October 2022)



## Journal of Nuclear Engineering

---

an Open Access Journal  
by MDPI

---

Impact Factor 1.2  
CiteScore 2.6



[mdpi.com/si/48853](https://mdpi.com/si/48853)

*Journal of Nuclear Engineering*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[jne@mdpi.com](mailto:jne@mdpi.com)

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

[jne](https://jne.mdpi.com)





# Journal of Nuclear Engineering

---

an Open Access Journal  
by MDPI

---

Impact Factor 1.2  
CiteScore 2.6



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



## About the Journal

### Message from the Editor-in-Chief

---

#### Editor-in-Chief

Prof. Dr. Dan Gabriel Cacuci  
Department of Mechanical Engineering, University of South Carolina,  
Columbia, SC 29201, USA

---

#### Author Benefits

##### Open Access:

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

##### High Visibility:

indexed within ESCI (Web of Science), Scopus, EBSCO and other databases.

##### Journal Rank:

CiteScore - Q2 (Engineering (miscellaneous))