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# Journal of Nuclear Engineering

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# Message from the Editor-in-Chief

The *Journal of Nuclear Engineering* (JNE, ISSN 2673-4362) provides an interdisciplinary forum that showcases state-of-the-art research in the nuclear and related engineering sciences. JNE is dedicated to the scientific dissemination of rigorously peer-reviewed original research, publishing open-access full research papers, communications, and review articles. There is no restriction on the maximum length of papers, and there are no charges for extra colors. Electronic files supplying details of calculations and experimental procedures, as well as sound files, can be deposited as supplementary materials. JNE processes all submissions expeditiously and provides exceptional online visibility for the accepted manuscripts.

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**Editor-in-Chief**

Prof. Dr. Dan Gabriel Cacuci

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**Aims**

*Journal of Nuclear Engineering* (ISSN 2673-4362), an international open access journal, publishes peer-reviewed papers containing original research, ideas, and developments related to the science and application of nuclear and radiation processes.

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## Scope

- Reactor systems design
- Reactor thermal hydraulics
- Nuclear fission
- Nuclear fusion technologies and materials
- Reactor control systems
- Reactor physics and shielding
- Sensitivity analysis, uncertainty quantification and predictive modeling
- Nuclear fuels
- Fuel cycles
- Next generation reactors and advanced reactors
- Fission reactor materials
- Fusion reactor materials
- Radioactive materials
- Nuclear physics
- Nuclear chemistry and biochemistry
- Nuclear biology
- Nuclear medicine and medical imaging
- Mathematical and experimental nuclear technology
- Radioactive waste management
- Radiation application and protection
- Nuclear safety and risk assessment
- Accelerators, spectrometers and detectors
- Radiation measurements
- Radiation physics and chemistry
- Nuclear instrumentation
- Nuclear magnetic resonance spectroscopy
- Nuclear policy, economics and human resource development

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