# Special Issue

## Nuclear Engineering and Nuclear Fuel Safety

### Message from the Guest Editor

Advancements in nuclear engineering and nuclear fuel safety are pivotal to the sustainable and secure utilization of nuclear energy. Recent developments focus on enhancing reactor resilience, improving fuel performance, and integrating innovative technologies to ensure environmental sustainability. As the global demand for clean energy grows, these advancements underscore the importance of nuclear engineering in achieving a low-carbon future while maintaining the highest safety standards. Our Special Issue aims for the research topics including, but not limited to:

- Accident-Tolerant Fuels (ATFs)
- Small Modular Reactors (SMRs)
- Integration of Artificial Intelligence (AI) and Computational Modeling
- Closed Fuel Cycles and Advanced Reprocessing
- Passive Safety Systems and Advanced Cooling Technologies
- Generation IV Reactors

### Guest Editor

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### Deadline for manuscript submissions

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# 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

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