

## Special Issue

# Advanced Technologies in Nuclear Engineering

### Message from the Guest Editors

This Special Issue aims to address the role of nuclear energy in a future net-zero electricity market that may feature a high presence of renewables and other variable sources and inexpensive peaking capacity. It will cover nuclear power plant design and operation, as well as related technologies. It will provide a forum to discuss and present recent research results, technologies, and best practices on nuclear power plants and their most relevant equipment and components for both fission and fusion technologies, as well as consider their future developments. Papers can include small modular reactor designs, technologies, and operations. Research results on advanced and innovative nuclear fuel cycles will also be included. This Special Issue will also give particular attention to fusion–fission hybrid reactor technologies because these systems could represent an interesting synthesis between nuclear technologies.

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### Guest Editors

Dr. Guglielmo Lomonaco  
Dr. Álvaro Rodríguez-Prieto  
Dr. Fabio Panza

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### Deadline for manuscript submissions

closed (31 December 2024)



## Energies

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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.

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### Editor-in-Chief

Prof. Dr. Enrico Sciubba  
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