

Special Issue

New Advances in Nuclear Systems, Reactor Physics, and Neutrino Monitoring of Reactors

Message from the Guest Editors

Nuclear systems play a prominent role in energy production at the global level, and reactor physics is a lively field of research both for industrial applications and fundamental physics. Nowadays, this field is further enriched by neutrino reactor monitoring and the study of reactors as neutrino sources. In the last decade we have witnessed tremendous advances in reactor science, which deserve to be a focus of applied science. This Special Issue on "New Advances in Nuclear Systems, Reactor Physics, and Neutrino Monitoring of Reactors" testifies for such advances and is aimed at gathering researchers from all over the world to provide new insights and novel results in the field. The main subjects of this Special Issue are:

Advances in Generation IV reactors.
Reactor modeling (thermofluids, fuel and moderators, nuclear reaction chains, mechanics, etc.).
Reactor monitoring.
Reactors as neutrino sources.
Neutrino monitoring of nuclear plants.
Fission reactions and neutrino production.
Accelerator-driven reactors.

Guest Editors

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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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