Special Issue

Storage and Disposal Options for Nuclear Waste

Message from the Guest Editor

Nuclear technology has multiple applications that are fundamental to our daily life. The sustainable application of nuclear technologies is fully linked with the responsible management of produced waste. Nuclear waste releases radiation and it must be managed suitably, safely, and effectively. The management and disposal of radioactive waste are some of the most problematic aspects of the nuclear fuel cycle today. Advanced fuel recycling technologies are focused on efficiently removing and transmuting the most radiotoxic long-lived portions of used nuclear fuel (UNF). Substantial progress is needed globally in the management of radioactive waste. Efficient solutions for radioactive waste management operations are already available or are in advanced phases of development. More progress could be expected in the near- and medium-term. However, issues of nuclear waste management are not only technical, but also social. This Special Issue will not only focus on methods and conceptions of storage and disposal of nuclear waste, but also improving the visibility of development, good practice, and potent solutions.

Guest Editor

Dr. Katarzyna Kiegiel

Centre for Nuclear Technology Applications, Institute of Nuclear Chemistry and Technology, 16 Dorodna, 03-161 Warszawa, Poland

Deadline for manuscript submissions

closed (25 March 2022)

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/76524

Energies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

mdpi.com/journal/energies

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/journal/energies

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

Prof. Dr. Enrico Sciubba
Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

Author Benefits

Open Access:

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

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, RePEc, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

CiteScore - Q1 (Control and Optimization)