

Special Issue

Problems and Perspectives of Nuclear Energy Management and Development

Message from the Guest Editors

Current applications of nuclear energy (NE) range from pure science to the largest-by-scale utilisation of nuclear power generation. The sustainability of NE utilisation in all applications, including medical uses of radionuclides and radiations, is crucial to ensure the sustainable development of civilisation. Identification of the most important problems and perspectives of NE management is thus the focus of many researchers and influential organisations. This Special Issue of *Sustainability* will analyse issues related to sustainable NE development and strategic approaches, focusing on advantages and limitations of newly proposed schemes, such as intensive deployment of advanced-power thermal and fast breeder reactors, small modular and molten salt reactors, mobile nuclear power generation systems, and utilisation of the thorium fuel cycle. It will also include analysis of current roadmaps utilised for an effective use of NE based on both fission and fusion reactions.

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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

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