

Special Issue

Energy Security within the Nexus of Risk, Resilience and Sustainability: Antinomy or Panacea?

Message from the Guest Editors

This special issue investigates the central role of the concepts of energy security, sustainability and resilience, and their contributions to support the global energy transition. Furthermore, it is important to provide policy makers and other stakeholders with objective and factual inputs, and to support transparent and participatory decision-making processes to achieve a better understanding of the risks, opportunities and associated uncertainties of such a transformation. We invite contributions that address the manifold aspects of energy security from different viewpoints, and particularly encourage holistic perspectives and nexus approaches. Examples of topics of interest include the implications of future energy and climate scenarios on energy security and system resilience, potential trade-offs and synergies with the Sustainable Development Goals, exploration of extreme scenarios and external shocks or topics at the intersection with cybersecurity and hybrid threats. Finally, we welcome submissions that propose decision support frameworks to identify optimal portfolios of energy policies to achieve deep decarbonization goals.

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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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