Special Issue

Techno-Economic Analysis and Optimization for Energy Systems: 3rd Edition on the Way to Green Transition

Message from the Guest Editors

This Special Issue calls for papers broadly related to techno-economic analysis and optimization approaches, especially for energy systems, taking into account circular economy principles. Specific topics of interest include, but are not limited to, the following: Decarbonized energy systems, shipping decarbonization; Design and control of energy systems; Optimal energy management; Sustainable ship energy systems; Hybrid, power to X energy systems; Renewable energy and synthetic fuels as replacements of fossil fuels: methanol, ammonia, hydrogen; Energy storage systems; Energy systems reliability and energy security; Smart energy systems; Global, international, regional, national, and local energy systems; LNG as transient fuel in energy sector and shipping; Green hydrogen economy; Energy supply chain; Green technologies; Energy transition and innovation; Energy policy and management; Entrepreneurship in transforming energy systems; Digital technologies and artificial intelligence in energy transition; Natural resource management; Sustainable production and consumption; Sustainable materials and technologies.

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Deadline for manuscript submissions

5 September 2025

Energies

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Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/233797

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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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