

Special Issue

Life Cycle Assessment of Energy Systems

Message from the Guest Editors

This Special Issue on “LCA of Energy Systems” is intended to bring together key and inspiring research on the development and application of life-cycle-based methodology to evaluate the technologies, strategies, and policies that will shape the future energy system. These include environmental life cycle assessment (E-LCA), life cycle costing (LCC), social life cycle assessment (S-LCA), life cycle sustainability assessment (LCSA), environmentally extended input-output analysis (EEIOA), etc. The practical use of these tools to evaluate the sustainability of goods and services in the fields of energy, transport, food, construction, waste management, and consumer goods are welcome. The use of advanced methodological approaches to life-cycle-based assessment such as consequential evaluation, dynamic LCA, development of product category rules, interpretation of LCA results for decision making, and aggregation of sustainability dimensions (economic, environmental, and social) into life cycle sustainability assessment (LCSA) will also be of interest.

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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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