Special Issue

Circular Economy and Life Cycle Assessment Approach for Energy Systems

Message from the Guest Editors

This Special Issue aims to explore the synergy between the principles of the circular economy (CE) principles and life cycle assessment (LCA) methodologies in advancing the sustainability of energy systems as a whole, as well as its technologies, components, and related materials. We invite original research articles, reviews, and case studies that contribute to our collective understanding and application of CE and LCA in the context of energy systems. Submissions should offer practical insights, methodological advancements, and implications for shaping the sustainable future of energy. This Special Issue seeks contributions related but not limited to the following topics:

- Innovative approaches for circular energy systems based on life cycle thinking
- Integrating CE principles for shaping renewable energy technologies and components of energy systems
- Optimizing material cycles related to the energy infrastructure
- Policy frameworks driving circular energy transition
- Economic viability of circular energy systems
- Circular business models and energy policy

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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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