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Circular Economy and Life Cycle Assessment Approach for Energy Systems

Guest Editors:

Prof. Dr. Liselotte Schebek

Institute IWAR, Technical University of Darmstadt, Franziska-Braun-Straße 7, 64287 Darmstadt, Germany

Dr. Steffi Weyand

1. Institute IWAR, Technical University of Darmstadt, Franziska-Braun-Straße 7, 64287 Darmstadt, Germany
2. Fraunhofer Research Institution for Materials Recycling and Resource Strategies IWKS, Brentanostraße 2a, 63755 Alzenau, Germany

Deadline for manuscript submissions:

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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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Special Issue



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Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and
Aerospace Engineering,
University of Roma Sapienza, Via
Eudossiana 18, 00184 Roma, Italy

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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Energies Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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