

Special Issue

Circular Economy and Life Cycle Assessment: Closing the Loop for Sustainable Resource Management

Message from the Guest Editor

As a response to the globally increasing environmental pressures and resource constraints, the concept of a circular economy has emerged as a key framework for achieving sustainable resource management. This Special Issue aims to highlight cutting-edge research and innovative methodologies that advance the integration of circular economy principles with life cycle assessments. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following: -The development of new LCA methodologies tailored for circular systems;

- The integration of circularity indicators into LCA frameworks;
- Improving data quality and availability for secondary materials and processes;
- Case studies on the LCA of recycled materials and products;
- Circular products and materials;
- Closed-loop supply chains and their environmental impacts;
- Assessing the carbon balance and sequestration potential of bio-based materials;
- Social and environmental impacts of circular economy practices

Guest Editor

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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

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