

## Special Issue

# Life Cycle Assessment of Renewable Energy Systems and Infrastructure: Assessing Sustainability and Environmental Performance

### Message from the Guest Editor

The aim of the Special Issue is to provoke dialogue regarding the environmental impact assessment and lifecycle assessment of renewable energy technologies and systems. This offers opportunities for both technical and interdisciplinary research in this key aspect of the sustainability of renewable energy. Clean energy will underpin the future of humanity's economic, social, and cultural activities to mitigate the consequences of global warming; thus, being able to measure their environmental effects through environmental impact assessment and lifecycle assessment is a necessity. Research areas may include (but are not limited to):

- Environmental impact assessment of renewable energy technologies and/or systems;
- Lifecycle assessment of renewable energy technologies, infrastructure, and/or systems;
- Comparative studies between different energy technologies that consider EIA/LCA;
- Studies on environmental performance improvement of renewable energy technologies and systems;
- Climate mitigation studies for renewable energy systems;
- Studies informing policy, regulation, investment, and decision-making in the scope of this Special Issue's theme.

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### Guest Editor

Dr. Richard Blanchard

Head of Energy and Power Engineering Research, Centre for Renewable Energy Systems Technology, Loughborough University, Loughborough, UK

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### Deadline for manuscript submissions

closed (30 June 2025)



Sustainability

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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.

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## Editor-in-Chief

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