

Special Issue

Life Cycle Assessment (LCA) for Sustainable Development of Emerging Technologies and Industries

Message from the Guest Editor

This Special Issue focuses on life cycle assessment (LCA) as a critical tool for sustainable development in emerging technologies and industries. LCA provides a holistic framework for evaluating the environmental impacts of new technologies and industrial processes across their entire lifecycle. This Special Issue explores the latest LCA methodologies, case studies, and best practices, emphasizing the need for integration into decision-making processes. Contributors discuss the potential of LCA in guiding innovation towards environmental sustainability, resource efficiency, and climate resilience. This Special Issue aims to inform and inspire researchers, policymakers, and practitioners towards a more sustainable future. Research areas may include, but are not limited to, the following:

- Life cycle assessment (LCA);
- Sustainable development;
- Emerging technologies;
- Industries;
- Environmental impacts;
- Decision making;
- Resource efficiency;
- Climate resilience.

Guest Editor

Dr. Kevin Graham Harding

School of Chemical and Metallurgical Engineering, University of the Witwatersrand, Johannesburg 2000, South Africa

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Sustainability
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sustainability@mdpi.com

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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. *Sustainability* publishes original research articles, review 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. Marc A. Rosen

Faculty of Engineering and Applied Science, University of Ontario
Institute of Technology, Oshawa, ON L1G 0C5, Canada

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