Special Issue

Life Cycle Assessment in Sustainable Products Development

Message from the Guest Editors

While most studies concentrate on the methodology of LCA, this Special Issue aims to present LCA-associated studies from a specific viewpoint of product development applications. Approach to the application of LCA in product development are presented with step-by-step instructions, starting from concept, part, and process design all the way to decision making. LCA is applicable in several forms, including impact assessment, selection, classification, and decision support. The challenges with regard to the four main steps of LCA (namely, goal and scope definition, life cycle inventory, life cycle impact analysis, and interpretation) are within the scope of this issue. In particular, the main topics that this Special Issue shall cover are:

- Environmental assessment of agri-industrial products, biofuels, and energy systems;
- Life cycle cost analysis of agri-industrial products, biofuels, and energy systems;
- Greenhous gas emissions, water and ecological footprint of agri-industrial products, biofuels, and energy systems;
- Integrating exergy and economic and environmental parameters to offer a novel sustainability index;
- New approaches in LCA of sustainable products.

Guest Editors

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Deadline for manuscript submissions

closed (30 November 2022)



Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 7.7



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About the Journal

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

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