

Special Issue

Life Cycle Assessment of Environmental System

Message from the Guest Editor

Climate change is envisaged as the single most serious threat to the existence of life. GHG emission is the main cause of climate change. Mitigation and adaptation initiatives are underway; however, the outcomes are not tangible. This may partly be due to inaccurate estimation of the actual GHG emissions. A famous maxim, “without measurement, no management”, calls for a robust and accurate quantification of GHG emissions. LCA is the tool of choice for the quantification of GHG emissions.

Claiming “avoided emissions” is common practice in industry sectors. Uncertainty around the input and output data for LCA, and LCA results, needs to be addressed for proper implementation of LCA. In particular, the uncertainty of emission factors of energies and materials is a main obstacle to the accurate accounting of GHG emissions.

This Special Issue seeks contributions from researchers, industry experts, and academia to the topics. We therefore invite papers on methodologies, case studies, and reviews, contributing to the advancement of the quantification of GHG emissions and other environmental impacts in the context of LCA.

Guest Editor

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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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