

Special Issue

Construction of Green Building and Energy Assessment Using a Life Cycle Approach

Message from the Guest Editors

This Special Issue encourages contributions to the analysis of the built environment through a life-cycle approach for the evaluation of energy performance and greenhouse-gas emissions as well as other LCA-related impacts. Evaluations from the LCA perspective of the current energy strategies and policies are also welcome, to investigate how and how much they are impacting decarbonization goals, starting from single building components to local requirements for low-energy buildings. Research areas may include (but are not limited to) the following:

- Life-cycle assessment of products, buildings, and districts;
- Sustainable materials and construction;
- Renewable energy for buildings and districts;
- Circularity in the construction sector;
- Green building construction;
- Sustainable refurbishment;
- Energy and environmental indicators;
- Environmental performance of buildings;
- Requirements for zero-emission buildings;
- LCA methodologies and databases (also including building information modelling);
- Case studies at component, building, and urban scales;
- Economic performance assessment of buildings (life-cycle cost, LCC).

Guest Editors

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Deadline for manuscript submissions

closed (15 July 2023)



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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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