

Special Issue

Building and Construction Sustainability: Toward a Life Cycle Management of Materials and Processes Flows

Message from the Guest Editors

This Special Issue aims to gather original contributions and review articles focusing on sustainability aspects (environmental, economic and social), highlighting the role of Building Technologies both to meet decarbonisation targets and to optimise the life cycle management of material and process flows. Possible subjects can be:

- decarbonisation related to materials/products/buildings (bio-based materials, renewable resources, etc.);
- sustainability indicators/criteria for buildings/products/construction techniques;
- whole life cycle assessment/carbon of buildings and constructions;
- circular use of resources and life cycle extension of materials/products/buildings (adaptability, reuse/remanufacturing/repurpose, product-as-a-service/building-as-a-service, etc.);
- low impact and sustainable production/construction/deconstruction techniques;
- circular organisational models/supply chain for buildings and buildings elements/products;
- digital enabling technologies to support the life cycle management of materials flows;
- technological innovations for sustainability;

Guest Editors

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Deadline for manuscript submissions

closed (31 March 2024)



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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

Prof. Dr. Steve W. Lyon

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