

Special Issue

Innovative Materials, Nature-Based Solutions and Energy-Efficient Solutions in Sustainable Buildings and Cities

Message from the Guest Editor

The Special Issue addresses critical challenges in construction and urban sustainability. This focus arises from the urgent need to mitigate climate change impacts, reduce resource consumption, and enhance the livability of urban areas, which are responsible for significant energy consumption and greenhouse gas emissions. The scope of this issue includes the development, integration, and evaluation of new materials, technologies, and practices that promote environmental sustainability, social resilience, and economic feasibility in urban planning and construction. This issue ties closely to broader discussions on sustainable urban development, climate adaptation, and resource efficiency and innovation. This issue has an interdisciplinary approach, integrating contributions on material science, construction fields, NBS, energy efficiency and management, and urban sustainability. It also intersects with circular economy principles, where materials are designed for reuse and energy systems are made more sustainable through renewable integration and efficiency improvements.

Guest Editor

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Deadline for manuscript submissions

26 November 2026



Sustainability

an Open Access Journal
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Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/217318

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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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