

## Special Issue

# Promote Sustainable Development Through Enhanced Building Energy Performance

### Message from the Guest Editor

This Special Issue focuses on improving building energy performance by using innovative materials for depollution, carbon capture, circular economy principles, recycling strategies, and life cycle analysis. Buildings account for a significant portion of global energy consumption and emissions, making energy efficiency a key priority for sustainable development.

By integrating circular design, this Special Issue supplements existing research on energy efficiency by emphasizing material recovery, embodied carbon reduction, and energy performance life cycle assessment (LCA). It also addresses policy frameworks that support circular economy applications in construction, enabling sustainable decision-making. Aligned with sustainability goals, this Special Issue contributes to defining and measuring sustainability in buildings, applying LCA tools to assess environmental impacts and advancing integrated approaches for energy efficiency. Additionally, it examines policies that promote circularity and waste reduction in the built environment.

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### Deadline for manuscript submissions

31 May 2026



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Impact Factor 3.3  
CiteScore 7.7



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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. *Sustainability* publishes original research articles, review 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.

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