

Special Issue

Advancing Sustainable Construction Through BIM Adoption: Innovations, Challenges, and Opportunities

Message from the Guest Editor

This Special Issue concentrates on the intersection of sustainable construction management practices and building information modeling (BIM) adoption. Specifically, it seeks to highlight research that addresses how BIM can be leveraged to promote environmentally responsible, resource-efficient, and socially beneficial construction processes and outcomes. The focus encompasses both technological and managerial perspectives—how digital modeling and data-driven approaches can inform policy, guide decision-making, and support construction management. The scope includes, but is not limited to:

- Methodological Developments: Novel frameworks, simulations, and process models that integrate sustainability metrics into BIM-based workflows;
- Technological Innovations: Research into cutting-edge digital tools that enhance sustainability outcomes in construction management;
- Policy Impacts: Studies of how local, national, and international regulations can foster or hinder BIM-supported sustainability practices;
- Implementation Barriers: Examination of financial, organizational, and technical challenges associated with BIM adoption for sustainable construction.

Guest Editor

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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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