

## Special Issue

# Digital Transformation and Green Technology for Sustainable Building and Construction Management

### Message from the Guest Editors

This Special Issue addresses the critical need for innovation in the construction industry, which has historically lagged in productivity and digitalization. It highlights the transformative potential of integrating digital transformation (DT) and green technology (GT) to establish a sustainable building and construction ecosystem. This Special Issue focuses on smart construction technologies like AI, big data, BIM, and advanced sensing, emphasizing their role in enhancing efficiency, decision making, productivity, and safety. Furthermore, it underscores the significance of green technology, exploring energy-efficient practices and waste reduction for a more sustainable sector. The Special Issue also examines how DT can be a powerful tool for sustainable construction management through applications like BIM-based life cycle assessment and AI-driven energy optimization. Ultimately, this Special Issue welcomes original research and reviews on various topics related to the application of DT and GT for a more innovative and sustainable future in building and construction.

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### Guest Editors

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