

## Special Issue

# Enhancing Sustainable Construction Design and Project Execution Using Information Technology

### Message from the Guest Editors

This Special Issue of *Sustainability* explores the transformative potential of Information Technology (IT) in addressing this challenge, aligning with the United Nations's 2030 Agenda for Sustainable Development. This Special Issue aims to contribute to the knowledge on sustainable design and construction practices. By focusing on IT's role within construction design and project execution, we aim to complete the following tasks:

- Highlight the emerging trend of IT-driven sustainable design and construction;
- Bridge the gap between academia and industry by showcasing practical applications and research advancements;
- Assess the benefits of integrating Industry 4.0 technologies, including cyber-physical systems, machine learning (ML), Internet of Things (IoT), big data analytics, and robotics and autonomous systems, on the sustainability of construction projects;
- Identify recent advancements and achievements in IT-enabled sustainable construction methods.

We welcome original research articles and reviews that explore various aspects of IT-driven sustainable design and construction.

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### Guest Editors

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Dr. Qinjun (Lavender) Liu

Dr. Songbo Hu

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### Deadline for manuscript submissions

2 August 2026



**Sustainability**

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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.

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### Editor-in-Chief

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