# **Special Issue**

# Sustainable Design and Performance Analysis of Structure and Building Materials

# Message from the Guest Editors

This Special Issue explores the integration of these solutions to address challenges in low-carbon material innovation, enhancing resource efficiency and cost-effective retrofitting of urban infrastructure. Potential topics for this issue include, but are not limited to, the following:

- Traditional techniques: theoretical modeling, numerical simulations, and experimental testing.
- Innovative solutions: Al-driven material property prediction, data-driven design optimization, and advanced composite materials.
- Hybrid approaches: integration of traditional systems with emerging technologies.
- Case studies: cost-effective retrofitting of urban infrastructure and sustainable material applications in construction projects.

We look forward to your contributions.

### **Guest Editors**

Dr. Mengtao Wu

Dr. Fangcheng Liu

Dr. Tao Li

# Deadline for manuscript submissions

31 December 2025



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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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