

## Special Issue

# Green Building for Sustainability: From Testing, Design and Construction to Operation and Lifecycle Assessment

### Message from the Guest Editors

It is our pleasure to announce a new Special Issue, 'Green Building for Sustainability: From Testing, Design and Construction to Operation and Lifecycle Assessment', for the journal *Sustainability*. Construction machinery undoubtedly contributes significant carbon emissions to the construction industry. It is thus of great significance to suppress carbon emissions in the construction industry to benefit the goal of global carbon reduction. The title of this Special Issue, 'Green Building for Sustainability: From Testing, Design and Construction to Operation and Lifecycle Assessment', is a comprehensive approach to creating environmentally responsible and resource-efficient structures throughout their lifecycle. In this Special Issue, original research articles and reviews are welcome. Below is a non-comprehensive overview of the key components involved in green building for sustainability:

- Intelligent testing technology;
- Low-carbon reinforcement techniques;
- Polluted soil remediation;
- Recycling of solid waste;
- Sustainable building design;
- Intelligent and green construction;
- Energy efficiency and renewable energy integration;

### Guest Editors

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### Deadline for manuscript submissions

31 March 2026



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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. *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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### Editor-in-Chief

Prof. Dr. Marc A. Rosen

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