



Future Trends in Sustainable Buildings: Materials, Technologies, and Computational Approaches

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Message from the Guest Editors

Dear Colleagues,

This Special Issue encourages interdisciplinary contributions from fields such as materials science, civil, and environmental engineering, architecture, and computer science, while also welcoming research from other related disciplines, focusing on but not limited to the following topics:

- The development and application of sustainable materials for building construction and maintenance, including recycled concrete aggregates, phase change materials, geopolymers, and bio-based or natural materials, to enhance environmental performance and resource efficiency.
- Exploration of innovative and sustainable construction technologies, such as 3D printing, modular construction, and robotics, for reducing material waste, enhancing efficiency, and promoting environmental sustainability in building practices.
- Advanced computational techniques, such as energy simulation, numerical modeling, and data analysis, for building design and management.





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Message from the Editor-in-Chief

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