

Special Issue

Advanced Technologies for Sustainable Building

Message from the Guest Editors

The construction industry is changing rapidly as new digital tools and technologies emerge. Today's Construction 4.0 represents a major shift in how we plan, build, and maintain buildings. New tools like artificial intelligence, virtual reality, and digital twins are no longer just optional add-ons—they are becoming essential for creating better, more sustainable buildings. This Special Issue will explore and document cutting-edge technological applications that are advancing sustainable building practices. Our focus is on investigating how emerging technologies can enhance building performance, reduce environmental impact, and improve human–building interactions while maintaining architectural integrity. This Special Issue will examine both theoretical frameworks and practical applications, emphasizing the integration of advanced technologies in sustainable building design, construction, and operation.

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The journal Architecture is an outstanding platform for new ideas and for reporting the outcomes of your research. The subjects sought are wide ranging and include design strategies, form, and technology. The need to be innovative in a rapidly changing profession and building environment make this journal the ideal place to publish. We are open to creativity and out-of-the-box thinking.

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