

Special Issue

Use of Innovative and Sustainable Materials in the Construction of Buildings

Message from the Guest Editor

The construction sector is undergoing a critical transformation driven by the urgent need to reduce environmental impacts, enhance resource efficiency, and improve the resilience of the built environment. This Special Issue aims to explore emerging materials, technologies, and practices that contribute to sustainable development in building construction. The Issue will focus on innovative materials such as low-carbon concrete, recycled and bio-based materials, geopolymer binders, and advanced composites that offer improved mechanical performance while minimizing environmental footprints. Contributions are invited to address both experimental and analytical studies, as well as practical applications and case studies demonstrating the successful implementation of sustainable materials in real-world construction projects. This Special Issue aims to provide a comprehensive platform for advancing knowledge and promoting the adoption of innovative and sustainable materials in the construction industry. Ultimately, it seeks to support the transition toward more sustainable, resilient, and environmentally responsible building practices worldwide.

Guest Editor

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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

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