Special Issue

Low-Carbon Materials for Sustainable and Healthy Buildings: Enhancing Indoor Comfort, Well-Being, and Energy Efficiency with Non-Conventional Constructive Solutions

Message from the Guest Editors

Human activity is driving significant changes in our global climate, making it one of the defining challenges of this century. The construction sector contributes 40% of global greenhouse gas (GHG) emissions, making urgent action essential.

This Special Issue invites contributions from current research and advancements in these areas, focusing on innovative materials that enhance indoor comfort and health while minimising GHG emissions in new construction and renovation projects. Studies addressing the challenges of retrofitting historic and traditional buildings are particularly welcome, given the importance and complexity of this issue. The studies collected in this Special Issue will help to enhance our existing understanding of innovative low-carbon material solutions and promote more comfortable and healthier indoor environments.

Guest Editors

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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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