

Special Issue

Low-Carbon and Eco-Friendly Construction Materials: Solutions for Sustainable Building and Resource Efficiency

Message from the Guest Editors

The construction industry is facing increasing pressure to innovate and adopt advanced technologies and low-carbon materials to significantly reduce its energy consumption, mitigate environmental impacts such as resource depletion, greenhouse gas emissions, and climate change, and promote a more sustainable and circular approach to building practices. Furthermore, another important issue to address is the end-of-life and recyclability of materials. This Special Issue welcomes the submission of original research articles and reviews whose scope includes, but is not limited to, the following topics: The development and characterization of earth materials, low-carbon concrete and bio-based composites; their durability (mold growth, fire resistance, water resistance, aging) and applications in the building sector; fiber treatment; and the physical, chemical, and morphological properties of materials. We also welcome the submission of studies that address the environmental impact of these materials and analyze their life cycle, recyclability, and end-of-life. We look forward to receiving your contributions.

Guest Editors

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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. *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.

Editor-in-Chief

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