

Special Issue

Sustainable Building Materials for Greener Future

Message from the Guest Editors

The construction sector's expansion demands reduced reliance on virgin resources, lower embodied energy, and ecosystem protection. This Special Issue, "Sustainable Building Materials for Greener Future", invites cross-disciplinary research/reviews on sustainable development, circularity, resource efficiency, and resilience. We prioritize studies transforming industrial/agricultural/municipal wastes into high-performance, low-CO₂ construction products to close material loops. Submissions may explore innovative mix designs, nano-additives for functionality, and multi-scale modeling to optimize strength, durability, and thermal performance. Encouraged are comprehensive life-cycle assessments, cradle-to-cradle carbon accounting, carbon sequestration analysis, and techno-economic evaluations for eco-efficiency. Highlighting sustainable processing, material characterization, and real-world case studies, this collection aims to accelerate circular economy adoption, reduce environmental footprints, and foster regenerative practices in global construction.

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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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