Special Issue

Research on Sustainable Cement-Based Composites

Message from the Guest Editors

The construction industry faces environmental pressures and aims to become more sustainable. This Special Issue focuses on "Sustainable Cement-Based Materials" and compiles the latest research progress in this area. It explores methods for designing new materials and using energy-saving alternatives to Portland cement and natural sand. The issue covers innovative solutions such as phase-change materials, low-heat cement, insulating materials, geopolymers, nanotechnology, waterproof coatings, and self-healing technologies. Contributions are sought for original research or review articles that promote sustainability in cement-based materials. Topics of interest include energy-saving materials, lightweight and recycled concrete, phase-change materials, low-heat cement, durability issues, corrosion protection, microcapsule-based self-healing structures, creep behavior, intelligent concrete, and durability prediction using AI. We invite contributions to further the progress of sustainable cement-based materials and promote the industry's environmental friendliness, energy efficiency, and sustainability. Sincerely,

Guest Editors

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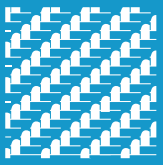

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