

Advancements in Cementitious Materials: Exploring the Latest Trends and Future Outlook

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Deadline for manuscript
submissions:

31 July 2024

Message from the Guest Editor

Dear Colleagues,

We are pleased to announce the Special Issue "Advancements in Cementitious Materials: Exploring the Latest Trends and Future Outlook" in our journal. This issue focuses on the latest developments in cement-concrete composites technology and the production, use, and performance of cement-based construction materials. We welcome innovative research papers, case studies, and review articles covering various aspects such as cement, concrete reinforcement, additives, corrosion technology, and more. This journal provides vital information to optimize efficiency, productivity, and competitiveness in the global market. We encourage all professionals and academics involved in building materials research or specification to read and contribute.

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Best regards,

Heeyoung Lee

Guest Editors



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Special Issue

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Message from the Editor-in-Chief

Current urban environments are home to multi-modal transit systems, extensive energy grids, a building stock, and integrated services. Sprawling neighborhoods are composed of buildings that accommodate living and working quarters. However, it is expected that the cities and communities of the future will face complex and enormous challenges, including maintenance, interconnectivity, resilience, energy efficiency, and sustainability issues, to name but a few. A smart city uses advanced technologies and a digital infrastructure to improve the outcomes in every aspect of a city's operations. A smart building optimizes the experience of occupants, staff, and management by using a modern and connected environment. Innovations in technology that can bring dramatic improvements to design, planning, and policy are critical in developing the cities and buildings of the future.

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