



Green Paths towards High-Performance Sustainable Concrete and Cement Materials

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Message from the Guest Editors

Dear Colleagues,

A global imperative for sustainable construction has emerged as a pressing issue, standing at a pivotal moment that calls for immediate action. The current Special Issue aims to gather novel approaches towards sustainable concrete and collect assessments of their implementation level. Minimizing carbon footprints, controlling energy consumption, and reducing dependence on finite raw material resources are continuously pursued towards sustainability by reusing and recycling unconventional materials. This pursuit could entail the deliberate substitution of conventional mix design materials for green materials like non-potable water and recycled materials instead of cement and aggregates without compromising strength and durability properties. The critical importance of these eco-friendly strategies lies not only in their positive impact on the environment but also in their potential economic benefits.

Research areas may include (but are not limited to) the following: low-cement concrete, concrete sustainability, concrete durability, sustainability, green construction, and sustainable cement materials.





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