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# Advances in Cement-Based Composites and Novel Construction Products

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#### **Message from the Guest Editors**

The environmental impacts of Portland cement and concrete production and the large use of cement-based building materials are growing concerns. To provide sustainable solutions, specific attention must be given to producing eco-efficient and highly durable cement and concrete composites that meet the ever-increasing demand for enhanced mechanical performance and resiliency. Despite the high level of knowledge achieved in the design, development, and manufacturing of advanced and multifunctional materials, there must be an invested effort in finding high-performance, sustainable, end ecoefficient construction materials that can compete or even surpass the performance of traditional cement and cement-based composites used in construction practices. This Special Issue seeks novel and impactful research on the following topics: eco-efficient and sustainable cement and concrete; geopolymers and alkali-activated binders; self-healing, bio-inspired, multi-functional, and/or stimuliresponsive ash-bricks, cement-blocks, and other advanced and emerging engineered cement and concrete composites.









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