

Special Issue

Advanced Cement and Concrete Composites

Message from the Guest Editor

The cement and concrete industry is the world's primary consumer of natural resources and a major contributor to greenhouse gas emissions. To mitigate climate change and the threat to biodiversity, we need to produce eco-efficient and highly durable cement and concrete composites that meet the ever-increasing demand for enhanced mechanical performance and resiliency. This Special Issue seeks novel and impactful research on: eco-efficient and sustainable cement and concrete; geopolymers and alkali-activated binders; self-healing, bio-inspired, multi-functional, stimuli-responsive, and other advanced and emerging engineered cement and concrete composites; pertinent studies on rheology, mechanical performance, and durability; life-cycle analysis studies; and numerical, artificial intelligence, and other modeling of cement and concrete composites.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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