

Special Issue

Concrete Structures with Fiber-Reinforced Cementitious and Composite Materials

Message from the Guest Editor

This Special Issue is focused on new technologies about methodologies, applications, innovations, and manufactures of high-tech concrete composites. Topics included in this Special Issue, with an emphasis on fibers as the main innovative material, are the results of developments of high-performance concrete composite materials, crack and damage controls of concrete, structural and seismic retrofits of concrete structures, minimizing of reinforcing steel bars, corrosion resistance of concrete, nonlinear modeling and analysis of fiber concrete composite structures, applications and methodologies of precast or modular unit building structural and nonstructural elements, as well as manufacture using 3D printing technologies and applications as smart materials for fiber concrete composites. Research and academic areas of interest for this Special Issue include but are not limited to building and architectural engineering, civil and environmental construction engineering, material engineering, mechanical and aerospace engineering, as well as smart machines, sensor engineering, information technology, etc.

Guest Editor

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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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