

Special Issue

Developments in Fiber-Reinforced Cement

Message from the Guest Editors

Fiberglass-reinforced concrete composites have shown strict advantages in the last years of the 20th century due to several technological developments involving the matrix, the fiber, the interface, the composite production process, and the underestimation of the mechanisms that control their particular behavior. The advantages are well known, such as higher tensile strength, durability, impact, fatigue, freeze and thaw resistance, and lower crack growth. The use of fibers obtained from renewable plant sources in composite materials has been an object of growing interest. A combination of good mechanical and physical properties coupled with their environmental benefits have been the main driver factors for their use as potential alternatives to conventional steel reinforcements.

This Special Issue is to provide a compendium of the latest advances in order to contribute to the systematization and dissemination of knowledge related to fiber-reinforced cement composites, namely, new recent advances, and developments in this domain.

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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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