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Developments in Fiber-Reinforced Cement

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Deadline for manuscript
submissions:

closed (20 June 2023)

Message from the Guest Editors

Dear Colleagues,

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.

Dr. Antonio C. Azevedo
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mdpi.com/si/95546



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Message from the Editor-in-Chief

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