Special Issue

Fiber-Reinforced Concrete

Message from the Guest Editor

Fibres are added into a concrete matrix to produce a distributed and random reinforcement, in contrast with traditional located rebars. The inclusion of fibres into concrete is a known solution to increase crack control capacity (such as that produced by shrinkage or service loads), mainly reducing its progression after the first crack. This solution is used in the construction industry in broad range of applications, such as traditional ones, like concrete pavements or tunnels, but it is also increasingly being used in structural applications, mostly after its incorporation in codes (ACI 318 or MC 2010). In this Special Issue, research papers focused on fibre-reinforced concrete at all strength levels from regular (FRC) to UHPFRC are invited, especially those that analyse fibres' effect on improvinf crack control, concrete long-term properties and their durability, and criteria to evaluate and quantify durability, criteria for their mix design, structural design criteria, with either an experimental or a modelling approach.

Guest Editor

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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