



Fiber-Reinforced Concrete

Guest Editor:

Prof. Pedro Serna Ros

Institute of Concrete Science and
Technology (ICITECH),
Universitat Politècnica de
València, Valencia, Spain

Deadline for manuscript
submissions:

closed (30 November 2019)

Message from the Guest Editor

Dear Colleagues,

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 improving 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.

Prof. Pedro Serna Ros
Guest Editor





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

Contact Us

Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/applsci
applsci@mdpi.com
[X@Applsci](#)