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Effectiveness and Efficiency of Fiber Reinforcement in Ultra-High Performance Concrete

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Deadline for manuscript
submissions:

closed (30 September 2022)

Message from the Guest Editor

Dear Colleagues,

Over the last two decades, research has been carried out to tailor and optimize fiber reinforcement to achieve sufficient ductility while keeping the necessary workability. For this Special Issue, I invite you to share your research and innovations regarding the effectiveness and efficiency of fiber reinforcement in ultra-high performance concrete. Topics of interest could include new fiber materials, fiber matrix interaction, mechanical performance under static or high-strain rate loading, innovations in fiber orientation, combined effect of discontinued fiber reinforcement and continuous reinforcement, fiber-reinforcement-dependent durability performance, and efficiency of fiber reinforcement in small- and large-scale elements.

Research Keywords:

- Ultra-high performance concrete (UHPC)
- Fiber reinforcement
- Effectiveness
- Efficiency
- Mechanical performance and testing
- Durability performance



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Guest Editor

Special Issue



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Message from the Editor-in-Chief

Fibers is intended as an integrative platform, bringing together specialists with expertise concerning a large range of biological, synthetic, metallic and mineral fibers. The intent is to bring together scientists who would otherwise be unlikely to encounter each other's findings. By facilitating communication across specialties, the journal will advance understanding of the underlying commonality of many physical and chemical aspects of fibers.

We welcome submission of manuscripts from a diverse range of disciplines relating to many types of fibers utilizing a variety of research approaches.

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