Special Issue

Ultra-High Performance Fiber-Reinforced Concrete

Message from the Guest Editors

Ultra-High Performance Fiber-Reinforced Concrete (UHPFRC) has offered notable advantages over other types of concrete, offering exceptional strength, durability, and flexibility. By incorporating fibers into a dense cementitious matrix, UHPFRC achieves exceptional resistance to mechanical stress, environmental degradation, and structural fatigue, making it a game-changer for demanding and innovative construction projects. Despite its extraordinary attributes, UHPFRC presents opportunities for further refinement and innovation. Areas such as optimizing fiber distribution, enhancing sustainability through eco-friendly mix designs, and scaling up production for widespread use remain critical focal points for researchers and engineers. This Special Issue invites contributions addressing the latest advancements and research in UHPFRC. Topics of interest include fresh and hardened material properties, innovative applications, new features, environmental impact reduction, cost assessment, and new insights into fiber–matrix interactions.

Guest Editors

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Deadline for manuscript submissions

closed (15 June 2025)

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About the Journal

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.

Editor-in-Chief

Prof. Dr. Martin J. D. Clift
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