

## Special Issue

# Advances in Ultra-High-Performance Fiber-Reinforced Concrete

### Message from the Guest Editors

This Special Issue is dedicated to exploring the latest advancements in FRC technology, aiming to push the boundaries of its application and performance. Key topics will include fiber reinforcement strategies to improve performance, strategies for reducing the carbon footprint, and innovations in the curing process that enhance the hydration and overall performance of FRC. This Special Issue will also explore the behavior of FRC under extreme conditions, its structural applications, and the interface properties crucial for its performance. Furthermore, it will delve into mix ratio optimization and the constitutive relations of FRC to provide deeper insights into its capabilities and design. Importantly, contributions are not limited to these topics alone. Submissions of original research articles and reviews that explore these areas are invited. This Special Issue aims to gather and disseminate cutting-edge research that helps improve the understanding and application of FRC, making it a pivotal resource for future construction and engineering projects.

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### Guest Editors

Dr. Peng Gao

Dr. Zheng Dong

Dr. Tan Wang

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### Deadline for manuscript submissions

20 May 2025



## Materials

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## About the Journal

### Message from the Editor-in-Chief

*Materials* (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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### Editor-in-Chief

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