Special Issue

Recent Innovations in Fibrous Concrete with Superior Mechanical Properties and Evolution in 2022

Message from the Guest Editors

- Numerous studies on high ductility fibrous concrete have been conducted to overcome the inherent brittleness of concrete. Several types of fibrous concrete incorporating waste tire, nylon, glass, carbon, metallic, polymer, basalt, polypropylene and steel fibers have been successfully developed and applied for building structures due to their benefits of limiting crack propagation widening through fiber bridging. Furthermore, recently invented preplaced aggregate concrete, slurry infiltrated fibrous concrete, and functionally graded fibrous concrete, and various relevant studies are actively underway.
- This special issue aims to provide a comprehensive overview of innovations in fibrous concrete, including aspects related to mechanical behaviors and their applications under various loading conditions.
- Authoritative review articles and original research papers describing recent findings in any type of fibrous concrete are expected to cover the following topics.

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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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