Special Issue

Geopolymers and Fiber-Reinforced Concrete Composites

Message from the Guest Editors

The Special Issue, “Geopolymers and Fiber-Reinforced Concrete Composites”, will address advances in characterization, processing, scale-up, testing, and commercialization of various types of geopolymers and alkali-activated materials, as well as fiber-reinforced concrete composites. In this Special Issue, we welcome all research articles, case studies, and reviews aimed at enriching the available knowledge regarding such high-performance construction materials and highlighting the latest findings at both the material and structural levels. Topics of interest include but are not limited to the following:

- Application of steel, carbon, and polymeric fibers in concrete;
- Fiber-reinforced concrete and high-performance cement-based composites;
- Fiber hybridization;
- Fire resistance;
- Fresh, mechanical, and durability properties;
- Impact strength, bond, shear, flexural, cyclic, and cracking behavior;
- Geopolymers and alkali-activated materials (i.e., concrete, mortar, adhesives) for different market applications;
- Natural and recycled fibers;
- Numerical modeling;
- Repair applications;

Guest Editors

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Deadline for manuscript submissions

closed (20 May 2024)

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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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