

## Special Issue

# Novel Civil Engineering Materials Integrated with Structures

### Message from the Guest Editors

Realize the regulation and optimization of the composition and structure of civil engineering materials, establish a composition-structure-performance relationship in civil engineering materials, explore the damage and fracture of civil engineering materials and the mechanism of strengthening and toughening, evolution law of the whole life cycle performance of civil engineering materials and their mechanical behavior under extreme conditions helps to develop ultra-high-performance and high-durability civil engineering materials. Key research areas of the special issue mainly include:

- Formation, regulation, and control mechanism and method of microstructure of civil engineering materials;
- Composition, structural regulation, optimization theory, and method of civil engineering materials;
- Design and preparation of fiber-reinforced toughening materials;
- Mechanical behavior and performance evolution of civil engineering materials under extreme condition;
- Research, development, and preparation of ultra-high-performance and high-durability civil engineering materials;
- Protection, repair, and strengthening of concrete structures.

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### Deadline for manuscript submissions

closed (20 January 2024)



## 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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