



## Novel Civil Engineering Materials Integrated with Structures

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### Message from the Guest Editors

Dear Colleagues,

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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## Message from the Editor-in-Chief

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