



New Trends in Geopolymer Concrete

Guest Editor:

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Message from the Guest Editor

Driven by the goal of carbon neutrality, the building materials industry has discovered great challenges and opportunities. Geopolymer concrete has been recognized as a green and low-carbon cementitious material, because it can employ recyclable raw materials to replace cement as the cementing material, and possesses acceptable and even better properties. The aim of this Special Issue is to gather research regarding the recent scientific progress in geopolymer concrete, to promote the depth and range of this study, so as to develop its popularization and applications. The scope of this Special Issue includes, but is not limited to, the formation mechanism, mixture design method, mechanical properties, durability, microstructure, dynamic properties, structural behaviors, waste utilization, sustainability, and its life cycle environmental evaluation. Furthermore, this Special Issue aims to compile comprehensive knowledge, other potential studies on engineered geopolymer composites, CO₂ capture and utilization, energy storage, 3D printing, bio-materials, numerical study, monitoring methods and artificial intelligence, etc.





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Message from the Editor-in-Chief

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