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Microstructural, Mechanical, and Durability Characteristics of Cementitious Materials

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Message from the Guest Editors

Concrete is the most widely used construction material in the world. Advances in the manufacturing of cementitious materials and the production of concrete have led to improved performance of traditional concrete. Since the mechanical properties and durability of the materials are directly linked to the change in the microstructure of the mixture, it is important to understand the relationship between the microstructural, mechanical, and durability performance of cementitious materials.

The aim of this special issue is to collect original contributions on the mechanical properties and durability evaluation of different types of cementitious materials and the microstructure characterization of cementitious composites. Topics of interest include but are not limited to the following: characterization of cementitious materials, mechanical and durability performance, fiberreinforced concrete, alkali-activated materials, geopolymer, multi-scale study of the cementitious materials, and other related experimental investigations, simulations, and analyses of cement-based construction materials.













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Message from the Editor-in-Chief

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