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Reaction Mechanism and Properties of Cement-Based Materials

Guest Editor:

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Message from the Guest Editor

This Special Issue focuses on but is not limited to, the mechanism of physicochemical effects on the cracking and toughening properties of cement-based materials on the macroscopic scale, such as gelling components, aggregates, admixtures, fibers, water-binder ratio, curing system and environmental effect; the effects of micrometer scale reinforcement materials such as microbeads, whiskers and osmotic crystals on the filling, bridging, bonding and osmotic crystallization in cement-based materials system.

It is my pleasure to invite you to contribute to the Special Issue “Reaction Mechanism and Properties of Cement-Based Materials.” Full papers, communications, discussions, and reviews related to the current research, application and development of strengthening, toughening and durability enhancement components of different scales of cement-based materials, reaction mechanism and properties of various cementitious materials including Portland cement, aluminate cement, sulfate aluminum cement, ferroaluminate cement, phosphate cement are welcomed.



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Special Issue



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Message from the Editor-in-Chief

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