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Advances in Compressive Strength of Cement-Based Materials

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Message from the Guest Editors

Dear Colleagues,

Since the advent of Portland cement in 1824, cement-based materials have become the most extensively utilized and consumed building material. However, although the durability of concrete has a great impact on the safety and usability of the structure, compressive strength is still recognized as an extremely important property and significantly affects the structural performance of a building. Compressive strength is the first factor to be considered in structural design and quality inspection. A correct understanding of the mechanism and factors that affect strength is of great significance to the accurate design of concrete and ensuring the quality of the structure. In structural design, it is the first factor to be considered during quality inspection. Thus, this Special Issue focuses on advances in the compressive strength of cement-based materials. We welcome the submission of scientific works addressing the compressive strength of concrete, such as strengthening mechanisms, strength modeling and prediction, ultimate strength, and improvement techniques (not limited to the above topics).



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Special Issue



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Message from the Editor-in-Chief

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