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Effects of Adding Cement Admixtures on the Microstructure and Properties of Cement Materials

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Message from the Guest Editors

Cement, as the most widely used construction material, is often influenced by the addition of various additives, which can greatly improve its performance. With the increasing interest in additives, there have been significant advancements in the hydration process and microstructure of cement.

Additives play a crucial role in the production and utilization of modern cement. They can be utilized to meet diverse requirements, such as enhancing the strength of cement and concrete, adjusting the setting time of cement, and controlling the water requirements of concrete. In addition to these performance benefits, additives also contribute to reducing production costs and minimizing adverse environmental impacts.

This Special Issue aims to gather research papers and review articles that address the challenges associated with the application of additives in cement and concrete materials. We welcome research papers focusing on numerical simulations of additives, as well as manuscripts presenting experimental verification.



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Special Issue



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Message from the Editorial Board

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