Special Issue

Durability of Advanced Cement and Concrete Materials

Message from the Guest Editor

Concrete is the most used construction material in the world. Durability is one of the most important aspects of cementitious composites and concrete materials. Concrete is a multiple-phased material, and it will always have the propensity to crack over time. The presence of cracks facilitates the exposure of the concrete microstructure to destructive substances such as moisture, chloride, and sulfates, which can seriously degrade the service life of the structures. Therefore, increasing the longevity and reducing the further need for in situ repair and maintenance of concrete infrastructures has resulted in growing attention to the development of advanced cement-based materials with enhanced durability performances. Although the durability properties of conventional cement and concrete materials have been extensively explored, many questions remain about the durability aspects of novel concrete materials. This Special Issue aims to disseminate and publish the latest studies on the durability of advanced cement and concrete materials. I am pleased to invite you to contribute your original research papers as well as review papers to this Special Issue.

Guest Editor

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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