Special Issue

Recent Advances of Low-Carbon Cement

Message from the Guest Editors

The development of low-carbon cement has gained recognition as a strategy for mitigating the carbon footprint of the Portland cement industry, in response to escalating global concerns regarding CO2 emissions from the construction sector. Low-carbon cement supports sustainable construction practices, helps to meet regulatory requirements, and taps into the growing market demand for environmentally friendly products. There are different types of low-cabon cement, such as limestone calcined clay-based cement (LC3), alkali-activated cement/geopolymers, carbonate cement, and belite-ye'elimite-based cement. Therefore, the topics of interest include but are not limited to the following: recent advances in rhelogical properties, setting behaviour, volume stability, mechanical behaviour, and multiscale modelling of low-carbon cements.

Guest Editors

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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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