

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-carbon cement, such as limestone calcined clay-based cement (LC3), alkali-activated cement/geopolymers, carbonate cement, and belite-ye'elinite-based cement. Therefore, the topics of interest include but are not limited to the following: recent advances in rheological 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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