

Special Issue

Recent Advances in the Research of CO₂-Concrete Interaction

Message from the Guest Editor

Concrete carbonation is a research topic that has existed for a long time, but which is still receiving plenty of attention. Despite all the progress reached concerning the durability of reinforced concrete structures, though, there are still some gaps to bridge. Meanwhile, cement-based concrete has gained a reputation as a pollutant material. On the other hand, part of the research focus has shifted to studying concrete as a CO₂-sequestering material. Still within the frame of environmental concerns, low-carbon binders and even cement-free concrete have been tried out. All this has opened up new fields in concrete carbonation research. This Special Issue constitutes a way to disseminate results and findings from reviews, original studies, and experimental programs addressing probabilistic service life design and life cycle assessment of concrete, encompassing carbonation, as well as on the ability of concrete for CO₂ sequestration and on carbonation of concrete with unconventional constituents, in particular, with alternative or “new-generation” binders.

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.

Editor-in-Chief

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