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New Findings in Cementitious Materials

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Message from the Guest Editor

This is an issue not only for the obvious impacts on climate change, but also because the imposition of CO₂ penalties is expected to, in time, double the price of cement. The implications of this are straightforward, i.e., materials engineers working in the civil engineering field need to:

- *Identify alternate materials:* Identify compositionally optimal, low-CO₂ materials which can be used to replace and thereby reduce the use of cement as the binder in concrete or propose novel, functionally effective, and environmentally friendly construction materials;
- *Extend the service-life of infrastructure:* Develop functional pathways to mitigate steel corrosion, which is unarguably the leading cause of premature structural decay of infrastructure.

Taking all of the above into consideration, this Special Issue aims to highlight recent findings and provide useful guidelines or problem solution options to consider for scientists and engineers dealing with sustainability and durability of the construction materials.





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