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Low Carbon Cements

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Message from the Guest Editor

Dear Colleagues,

Due to its versatility, low cost, and mechanical properties, reinforced concrete is still the most widely used material in the world. However, concrete production and its ever-growing demand has become a source of environmental concerns, since it involves extensive emission of greenhouse gases.

Therefore, it is worldwide recognized that near future cement production has a carbon footprint to match. To this end, various studies have been recently conducted in order to develop more eco-efficient low carbon cements (LCC).

This Special Issue aims to cover some of the latest developments in low carbon cements, such as belite cements, geopolymers, alkali-activated cements, thermos-activated waste cements, calcium aluminate cements, low-temperature or modified clinkers, blended cements with alternative supplementary cementitious materials, and emerging non-Portland cement clinker-based binders. Low cement concretes and new carbon capture solutions in order to reduce the CO₂ footprint of the cement industry are also within the scope of this Special Issue.

Prof. Dr. José Alexandre Bogas
Guest Editor



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Special Issue



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Message from the Editor-in-Chief

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