Special Issue

Low Carbon Cements

Message from the Guest Editor

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

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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