

Special Issue

New Findings in Cementitious Materials

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.

Guest Editor

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Message from the Editorial Board

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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