

Special Issue

Functional Cement-Based Composites for Civil Engineering (3rd Edition)

Message from the Guest Editor

In the context of increased regulations with the aims of reducing the carbon footprint of the construction industry and of limiting greenhouse gas emissions associated with cement production, the production of cement-based materials for housing and infrastructure is set to continue increasing worldwide. This Special Issue will bring together cutting-edge and economically viable new construction and building materials made from alternative cement replacement materials; it will bring together techniques and concepts from various distinct workers to examine, explore, and critically engage with issues and advances in cement-based composite, with several environmental benefits. The papers collected in this Special Issue can help researchers and practicing engineers, construction and building material scientists, and low-carbon and sustainability practitioners to find more advanced techniques and alternative approaches to cement-based composite construction and building material development.

Guest Editor

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About the Journal

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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