

Special Issue

Characterization and Optimization of Cement-Based Materials

Message from the Guest Editor

Currently, the scientific community is clearly committed to the development of new and more sustainable cements, mortars and concretes, often based on new processes, using industrial waste and applying circular economy criteria. The prior characterization of new materials that can be incorporated into construction materials is a fundamental step in the development of green cements and concretes. Likewise, the characterization of the final products, their physico-mechanical and rheological properties and the development of their microstructure allow us to know the real viability of these new products. Thanks to this, not only does science progress in fundamental knowledge, but it also allows us to improve processes and obtain new 'greener' construction materials with advanced functionalities. I sincerely encourage you all to send your work and research to this Special Issue with the purpose of sharing our knowledge, so that we can all learn and advance the knowledge and development of cementitious materials with better performance without forgetting to be increasingly respectful of the environment.

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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