Special Issue

Multifunctional Cementitious Composites: Manufacturing and Characterization

Message from the Guest Editors

The development of multifunctional cementitious composites has been a hot topic in the construction industry for the past decades. Techniques developed in other fields have been used to create multifunctional cementitious composites beyond what is possible with conventional technologies. The aim of this Special Issue of *Materials* is to cover recent research in multifunctional cementitious composites with various functions, e.g., self-healing, self-sensing, self-cleaning, air-purifying, and so on. The focus is on the manufacturing process, material structure, and properties characterization and modelling of these materials on multiple length scales, ranging from the microscale (pore-scale) all the way up to the macroscale (structural element/structure scale). Mechanical properties, cracking, damage, time-dependent phenomena (shrinkage, creep, fatigue), aging, and durability properties are all topics of interest.

Guest Editors

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Deadline for manuscript submissions

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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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