Special Issue

Development and Research of Cementitious Materials

Message from the Guest Editor

With the investigations and development of new cementitious materials, seeking out more environmentally friendly variants represents an important direction of current studies.

The hardening of inorganic cementitious materials is the result of physicochemical processes that take place in the system in the presence of water. There is a relationship between these processes and the properties of the final composite, which is why the efforts of investigations focus on the mechanisms of hydration processes, types of products formed during different periods of hardening, determination of the reaction ratio of cement replacements as well as the role of individual ingredients in the mixture. The aim of this Special Issue is to present advances in the field of development and research of different inorganic cementitious materials. Scientific works concerning the research of hydration/activation processes and their relation to the properties and durability of final composite are especially welcome. We also expect submissions related to new cementitious materials, including those containing different amounts of cement replacements.

Guest Editor

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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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