Special Issue

Advances in Cementitious Materials: Properties, Microstructure and Applications

Message from the Guest Editors

Cementitious materials are fundamental components in the construction industry due to their versatility, durability, and adaptability to diverse applications. For this Special Issue, both original research and review articles are encouraged. Topics of interest include (but are not limited to) the following:

- Innovations in cementitious material formulations and their microstructural optimization;
- Property enhancement techniques for cementitious materials, including mechanical, durability, and thermal properties;
- Applications of advanced characterization methods to elucidate the microstructure–property relationship;
- Development of sustainable cementitious materials using industrial byproducts and alternative binders;
- Novel admixtures and their effects on the rheology, setting behavior, and long-term performance of cementitious systems;
- Advanced applications of cementitious materials in infrastructure, repair, and specialty constructions;

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Deadline for manuscript submissions

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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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