Special Issue

Sustainable Construction Materials: From Paste to Concrete

Message from the Guest Editor

This Special Issue aims to highlight and share recent findings in developing new sustainable cementitious materials, modeling their hydration kinetics, investigating their microstructure, improving the performance and durability of cementitious materials using functional supplementary ingredients, suggesting novel test methods for new construction materials, etc. This Special Issue calls for papers on the following, but not limited to, areas:

- Sustainable concrete and alternative binders;
- Hydration kinetics of sustainable cementitious materials;
- Characterization of sustainable cementitious materials;
- Re-utilization of industrial by-products for construction materials;
- High strength and durable cementitious materials;
- Property enhancement by functional additives;
- Energy storage through construction materials;
- Evaluation of environmental impact of new construction materials.

It is my great pleasure to invite you to submit a manuscript for publication in this Special Issue.

Guest Editor

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Deadline for manuscript submissions

closed (31 December 2022)

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Message from the Editorial Board

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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