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Advanced Engineering Cementitious Composites and Concrete Sustainability

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Message from the Guest Editor

One of the most used building materials today, concrete, is the base of modern constructions around the world, being used for foundations, pavements, building walls, architectural structures, roads, bridges, overpasses, etc. Due to its versatility, it can be stated that almost all buildings include concrete in one form or another. However, the diversified nature of the components, their combination, and dosage lead to a very wide range of types of concrete, with different characteristics. Therefore, concrete is a material in continuous development that is of high interest even today.

The main objectives of this Special Issue include modeling and obtaining new advanced cementitious materials or alternative concrete.

Areas of interest include but are not limited to:

- Advanced engineering cementitious composites;
- Modeling and simulation of concrete;
- Characterization of sustainable cementitious materials;
- Sustainable concrete and alternative cementitious binders;
- Additive manufacturing of concrete;
- Sustainability and environmental impact assessment of concrete materials;
- Geopolymer obtaining and characterization;
- Alkali-activated materials.

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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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