Special Issue

Advanced and Sustainable Low Carbon Cement and Concrete Materials

Message from the Guest Editor

This Special Issue is focused on the development of advanced building materials and components that contribute to the systematization and propagation of knowledge related to the long-term performance and durability of construction, which comply with sustainability and eco-efficiency. Among other things, the reuse of secondary raw materials in composite development, supplementary cementitious materials, alternative binders, etc. will be the subject of studies published in this Special Issue. Thus, this Special Issue will provide a collection of new developments in the field of durability of advanced building materials, systems, and components, their characterization, service life prediction methodologies, and maintenance management. I believe this Special Issue will serve as an overview of the current stage of knowledge for the benefit of professional colleagues, such as material engineers, designers, production engineers, etc.

Keywords:

- sustainability
- eco-efficiency
- advanced materials
- composites
- low carbon cement
- secondary raw materials
- alternative binders
- supplementary cementitious materials

Guest Editor

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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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