Special Issue

Construction Materials

Message from the Guest Editor

A main issue concerning the construction materials and systems is known to be the durability. Materials, such as metals, synthetic materials, cementitious materials and/or material combination and systems are known to deteriorate. In this concern, it is important to investigate with non-destructive and destructive diagnostic methods the degradation processes. Furthermore protection methods, preventive measures, maintenance and type of restoration have to be developed depending on the type of infrastructure. The gain of knowledge in these latter processes will help to clarify the most significant parameters responsible for the degradation of a construction system or material. This will also enable the optimization of material and system parameters in order to build more durable structures.

Guest Editor

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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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