

Topical Collection

Concrete and Building Materials

Message from the Collection Editor

As well-preserved ancient Roman concrete constructions show, concrete is one of the oldest construction materials. However, in the last few decades, due to extensive research and technological advancement, its characteristics have been considerably improved and its shortcomings overcome. As a result, different kinds of high-performance concrete have recently been developed and used. Additionally, substitutions for conventional aggregates in concrete have been studied using various eco-efficient materials, such as rubber tires, steel slag, plastic waste, recycled aggregates of construction and demolition waste, etc. This Special issue is dedicated to both traditional building materials (concrete, steel, mortars, etc.) as well as new and advanced materials, which could either be traditional materials with enhanced properties or newly developed ones with high performance that have found extensive application in civil engineering. In construction, these materials are being implemented in infrastructures and in both load-bearing as well as non-load-bearing structural elements.

Collection Editor

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About the Journal

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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