

Special Issue

New and Emerging Construction Materials

Message from the Guest Editor

Construction materials have played a major role, from ancient times, in the development of built environments and civilizations. Ground-breaking advancement in the area of construction materials occurred during the last decade. We invite you to submit high-quality research or review papers to this Special Issue, with an emphasis on innovative new and emerging materials. Some areas include, but are not limited to, green cement, photocatalytic cement, geopolymer mortar and concrete, hempcrete masonry, carbon-negative materials, nano-concrete, nano-particles modified asphalt and asphaltic concrete, micro- and nano-fibre reinforced composites, anti-seismic reinforcement, see-through or translucent concrete, hydroceramics, floating concrete, translucent wood, aerogel or air glass insulation, nano-coatings, and self-cleansing materials. The papers on smart construction materials, such as bio-concrete, self-healing sealants or coatings, shape-memory alloy or shape-shifting metal, and self-sensing materials will also be considered.

Guest 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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