Special Issue

Sustainability and Applications of Materials in Civil Engineering and Building

Message from the Guest Editors

The sustainability of the construction field involves numerous aspects related to the durability and the contamination of building materials as well as the life cycle and the environmental impacts. The reuse/recycling of materials in the civil engineering and building sectors became an important concern in recent decades. The enormous production of inert material waste during construction, such as for instance tunnel break aggregates or excavation as well as the demolition of built infrastructures triggers new findings and possibilities to recycle the mass. Many types of inert waste are considered in the building sector, such as recycled concrete aggregates, milled asphalt granulates, quarry debris, cementitious dusts, various type of ashes or alternative cementitious binder in substitution of Portland cement. The issue addresses researchers as well as construction companies, engineers, architects and specialists that deal with durability and recycled or re-used construction materials. The scope would be to gather the actual and most recent developments and knowledge related to the recycling and the mechanical as well as the durability properties of these new material mixes.

Guest Editors

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Deadline for manuscript submissions

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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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