Special Issue

Transforming Industrial Waste into Sustainable Construction Materials

Message from the Guest Editor

Currently, waste generation is intended to promote the circular economy in all activities. Construction is one of the activities that generates the most waste and where different types of waste are most likely to be used. There are numerous research works, where new technologies and processes capable of increasing the use of different industrial waste in construction are being discussed and carried out. Concrete and mortar are materials that consume a large amount of natural resources and, therefore, they are materials with a high emphasis on the application of sustainable development. The use of new by-products in construction is still necessary. There is still a wide range of advances in different aspects that allow increasing the options of obtaining sustainable construction materials. The purpose of this Special Issue in Materials focuses on articles on new materials and innovative technologies on the recycling of industrial waste in construction and, thus, will contribute to the achievement of European green policies within the framework of the Circular Economy Action Plan, a future towards a competitive and climate-neutral economy where the environment is preserved.

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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