

Special Issue

Sustainability and Application of Civil Engineering Materials and Building Materials

Message from the Guest Editors

The need for civil engineering and building materials is continuously increasing, driven by the world population growth and the gradual human interest for modern infrastructures. These needs have led to an increase in the production and development of various building materials and building techniques. However, these developments are also impacting the environment in different ways, some of them being less environmentally friendly, with a high CO₂ footprint and significant impact on global warming. To mitigate these impacts, sustainable approaches should always be considered at different stages of the civil engineering and building materials sector, including raw materials selection, materials processing, and building techniques. A good management of construction and demolition wastes should also be considered. This Special Issue aims to regroup scientific contributions of potential interest for mitigating the environment impact of building materials and the construction sector. It is mainly focused on, but not limited to, original research and reviews articles involving sustainability considerations in the development and use of civil engineering and building materials.

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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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