Special Issue

Conventional vs. Innovative Materials, Tradition and Innovation (Second Volume)

Message from the Guest Editors

The capacity to use novel materials or the possibility to apply traditional construction materials in new forms is becoming a factor strongly influencing the capacity of advanced countries to develop new types of civil engineering structures and infrastructures. From this point of view, research on traditional construction materials today requires the application of refined and advanced design tools to update our knowledge, suggesting new forms of implementing traditional materials in new ways. On the other hand, the development of basic design tools for new materials is still needed in the fields where the research of novel engineering materials is at its first steps. We solicit contributions covering a wide range of topics, including innovative materials, new experimental methodologies, new design tools, seismic behavior of traditional structures designed with innovative methodologies, retrofit of existing buildings with traditional and innovative materials, guidelines for the design of new structural details, and FEM studies of components.

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Message from the Editorial Board

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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