Special Issue

Alternative, Traditional and Waste Materials Used in the Construction Industry: Research, Modeling and Design

Message from the Guest Editor

Traditional building materials are very popular. Nowadays, new properties, advantages, and disadvantages of materials are being discovered. The disadvantages of traditional building materials have increased interest in the use of alternative materials in civil engineering. These alternative materials include production and post-production waste materials from different industry branches. The usage of waste materials as an alternative addition or admixture for traditional materials could help to reduce greenhouse gas emissions, is environmentally friendly, and would help to save the planet. Concrete is one of the most popular traditional materials and can be modified by the addition and admixture of waste materials. To produce an advanced and environmentally friendly material (green concrete), new research, numerical simulations, and design methods are required. These would allow us to discover the properties of new material and thus develop new methods of designing construction elements for different kinds of building objects. I would like to encourage you to publish articles related to the aforementioned topics. I look forward to our fruitful cooperation.

Guest Editor

Prof. Dr. Jacek Domski

Faculty of Civil Engineering, Environmental and Geodetic Sciences, Koszalin University of Technology, Sniadeckich 2, 75-453 Koszalin, Poland

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Materials
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
materials@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Maryam Tabrizian
1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

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