Special Issue

Concrete Technology and Mechanical Properties of Concretes

Message from the Guest Editor

New trends in concrete science allow the structure of engineering objects to be shaped more quickly and safely than in the case of concrete with traditional properties and components. Technological operations of forming concrete elements are, in the case of new-generation concrete, considerably simplified and end results allow hardened concrete structures to be exposed in a more extended way. One modification of the considered concrete is to add various kinds of additives (fibres, waste, modified aggregate, etc.) to its volume as non-conventional components. This is not a new issue in the technology of concrete, however in case of concrete with modified brittle matrix composites it provides a current area of research. Technological problems in applying new-generation concrete modified with non-conventional additives and technologies is the subject of the current Special Issue.

Guest Editor

Dr. Tomasz Ponikiewski

Department of Building Processes Engineering and Building Physics, Faculty of Civil Engineering, Silesian University of Technology, Gliwice, 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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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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