



materials



an Open Access Journal by MDPI

Concrete Technology and Mechanical Properties of Concretes

Guest Editor:

Dr. Tomasz Ponikiewski

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

Deadline for manuscript
submissions:

closed (10 January 2023)

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.



mdpi.com/si/39176

Special Issue



an Open Access Journal by MDPI

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

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Ei Compendex, CaPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

Journal Rank: JCR - Q2 (*Metallurgy & Metallurgical Engineering*) / CiteScore - Q2 (*Condensed Matter Physics*)

Contact Us

Materials Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/materials
materials@mdpi.com
[X@Materials_Mdpi](https://twitter.com/Materials_Mdpi)