Special Issue

Supplementary Cementitious Materials in Concrete

Message from the Guest Editors

The substitution strategy, consisting of the partial replacement of Portland cement with supplementary cementitious materials (SCMs) or the more common application of blended cements, is an effective way to improve the sustainability of the cement and concrete industries. The forthcoming Special Issue of Materials aims to recognize the current state of knowledge and development in the use of SCMs within the substitution and performance strategies. It is our pleasure to invite you to submit your research article, communication, or review in which the following aspects of SCMs are investigated:

- Measuring the chemical, physical and mineralogical properties of SCMs, before and after hydration;
- Defining the amounts and the types of SCMs in accordance with the desired effects on fresh and hardened concrete performances;
- Designing structural elements made with normal and high-performance concretes containing SCMs;
- Assessing the durability and environmental impact of cement-based materials and structures, when SCMs are used to substitute, or in conjuction with, hydraulic cements.

Guest Editors

Prof. Dr. Alessandro P. Fantilli

Department of Structural, Geotechnical and Building Engineering, Politecnico di Torino, 10129 Torino, Italy

Dr. Daria Jóźwiak-Niedźwiedzka

Institute of Fundamental Technological Research of the Polish Academy of Sciences, Warsaw, Poland

Deadline for manuscript submissions

closed (31 March 2021)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/22292

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

mdpi.com/journal/materials

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/journal/materials

About the Journal

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

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 and Metallurgical Engineering) / CiteScore - Q1 (Condensed Matter Physics)

MDPI