



New Advances in Self-Compacting Concrete and Geopolymer Concrete

Guest Editor:

Dr. Farhad Aslani

Materials and Structures
Innovation Group, School of
Engineering, The University of
Western Australia, Perth, WA
6009, Australia

Deadline for manuscript
submissions:

closed (31 May 2020)

Message from the Guest Editor

The aim of the Special Issue is to publish the best research on self-compacting concrete (SCC) and geopolymer concrete (GC) incorporating fiber reinforcement, lightweight aggregates, heavyweight aggregates, recycled concrete aggregates, tire derived aggregates, recycled glass aggregates, rice husk ash, etc. In doing so, this Special Issue will present the results of research on the properties and performance of SCC and GC; novel experimental techniques; the latest analytical and modelling methods; the examination and the diagnosis of real SCC and GC structures; and the potential for improved and innovative SCC and GC.

Relevant topics to this Special Issue include, but are not limited to, the following subjects:

- Self-compacting concrete;
- Geopolymer concrete;
- Fibers reinforcement;
- Recycled concrete aggregates;
- Tire derived aggregates;
- Lightweight aggregates;
- Heavyweight aggregates;
- High temperatures;
- Durability;
- Concrete technology.





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)