

Special Issue

Development of High Performance Concrete

Message from the Guest Editors

Although concrete has been widely used in the construction sector, modern structures, such as high-rise buildings and long-span structures, require concrete to have more and higher performances, i.e., to be self-compacting with a high strength, high ductility, and high flowability. This Special Issue focuses on the developments and applications of high performance concrete, which will be published in *Materials*, an interdisciplinary journal dedicated to covering leading research and developments in the field of materials science and engineering. Potential topics include, but are not limited to, the following: high-performance concrete; ultra-high performance concrete; engineered cementitious materials; high-strength and high-ductility concrete; and applications of high-performance concrete. Please consider this invitation to submit a manuscript for this Special Issue. Full papers, communications, and reviews are all welcome.

Guest Editors

Prof. Dr. Jiangxiong Wei

School of Materials Science and Engineering, South China University of Technology, Guangzhou 510640, China

Prof. Dr. Haoliang Huang

School of Materials Science and Engineering, South China University of Technology, Guangzhou 510640, China

Deadline for manuscript submissions

closed (20 August 2022)



Materials

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed



mdpi.com/si/100389

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

[mdpi.com/journal/
materials](https://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](https://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)