



materials



an Open Access Journal by MDPI

Concrete in Structural Engineering: Fabrication and Mechanical Behavior

Guest Editors:

Prof. Dr. Seong Tae Yi

Department of Civil and Environmental Engineering, Inha Technical College, Incheon, Republic of Korea

Prof. Dr. Jong Wan Hu

Department of Civil and Environmental Engineering, Incheon National University, Incheon, Republic of Korea

Deadline for manuscript submissions:

closed (10 December 2022)

Message from the Guest Editors

The aim of this Special Issue is to publish papers that advance the field of concrete materials and structures through the approach of numerical analyses and experimental tests. The proposed approaches should include new or enhanced insights into construction for reinforced concrete, pre-stressed concrete, cementitious material fabrication, and mechanical behavior of concrete members.

Aware of the comprehensiveness of the suggested topic, we encourage you to send manuscripts containing scientific findings within the broad field of concrete research, which can be combined into the following topics: material effects, material behaviors, structural analysis, seismic design, earthquake engineering, structural monitoring, composite structures, lab and field testing, hazard reduction systems, and smart structures. Both theoretical and practice-oriented papers, including case studies and reviews, are also encouraged.



mdpi.com/si/76861

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 - Q1 (Metallurgy and Metallurgical Engineering) / CiteScore - Q2 (*Condensed Matter Physics*)

Contact Us

Materials Editorial Office
MDPI, Grosspeteranlage 5
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)