







an Open Access Journal by MDPI

Research of Mechanical Behavior of Cement and Concrete Composites

Guest Editor:

Prof. Dr. Gyuyong Kim

Department of Architecture Engineering, Chungnam National University, Daejeon 34134, Korea

Deadline for manuscript submissions:

closed (20 August 2022)

Message from the Guest Editor

The Special Issue "Research of Mechanical Behavior of Cement and Concrete Composites" will publish the research on the performance of cement-based construction and building materials.

This issue covers a wide range of cement and concrete composite materials, such as cement composites using waste materials, fiber-reinforced cement composites, polymer cement composites, novel concrete, and so on.

The mechanical behavior of cement and concrete will also be covered, including (but not restricted to) the following: fundamental physical properties; mechanical properties; durability; fracture mechanics; corrosion technology; applications for cement and concrete composites.

This Special Issue will focus on papers with a broad interest, based on their subject area, the quality of the research, and the novelty of the results, which can advance the role of cement and concrete composites.













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, OC H3A 0C7, Canada

Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The iournal covers twenty-five comprehensive biomaterials, energy materials, advanced composites. advanced materials characterization, porous materials, manufacturing processes and systems. 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