Special Issue

Advanced Techniques and Materials for Reinforced Concrete

Message from the Guest Editor

The increase in demand for high-performance cementitious material in recent years has resulted in renewed interest in the study of new technologies for investigating microstructures and enhancing the performance of cementitious materials. With the rise of increasingly advanced teaching and training in cementitious materials, the need has emerged for an up-to-date practical guide suitable for graduate students and junior and general practitioners in this field. This Special Issue will provide the cement scientific community with a state-of-the-art overview of the analytical techniques used in cement chemistry to study the hydration and microstructure of cements. A one-of-a-kind reference providing the do's and don'ts of cement chemistry, this Special Issue will present the latest research and development of characterization techniques for cementitious materials and serves as an invaluable resource for practicing professionals and those specializing in cement and concrete materials and other areas of cement and concrete technology.

Guest Editor

Dr. Salim Barbhuiya

Department of Engineering and Construction, School of Architecture, Computing and Engineering, University of East London, London, UK

Deadline for manuscript submissions

closed (20 November 2023)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/163451

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)