

Special Issue

Experimental Study, Numerical Simulation & Structural Applications of Construction Materials

Message from the Guest Editors

Construction materials play a critical role in building modern infrastructures, representing an enormous investment of raw materials, energy, and capital, with the result of significant environmental burdens and social costs. In recent decades, novel advanced construction materials and their structural applications have emerged with the support of continuously developing innovative technologies. To achieve higher-performing construction materials and advanced construction technologies, their further research has drawn great attention and interest of technicians. This Special Issue of *Materials* invites original research articles and comprehensive reviews regarding experimental studies, numerical simulations, and structural applications of construction materials.

Dr. Xiaowei Deng

Guest Editors

Dr. Xiaowei Deng

Department of Civil Engineering, The University of Hong Kong, Hong Kong, China

Dr. Xiaoqing Xu

Department of Civil Engineering, Tongji University, Shanghai 200092, China

Deadline for manuscript submissions

closed (10 October 2023)



Materials

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed



mdpi.com/si/111171

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)