



materials



an Open Access Journal by MDPI

Research on Mechanical Properties of Construction Materials

Guest Editors:

Dr. Patryk Rozylo

Faculty of Mechanical Engineering, Lublin University of Technology, Nadbystrzycka 36, 20-618 Lublin, Poland

Prof. Hubert Debski

Lublin University of Technology, Department of Machine Design and Mechatronics, 36 Nadbystrzycka St., 20-618 Lublin, Poland

Dr. Katarzyna Falkowicz

Department of Machine Design and Mechatronics, Faculty of Mechanical Engineering, Lublin University of Technology, 36 Nadbystrzycka St., 20-618 Lublin, Poland

Message from the Guest Editors

Construction materials represent a wide range of engineering materials used in the construction of various types of structures. The group of these materials consists mainly of metals and their alloys, ceramics, polymers and composites. Research on the determination of mechanical and strength properties, in the case of construction materials such as isotropic or composite materials, is a current area of interest for scientists. Conducting experimental scientific research, which allows us to determine material properties, enables further implementation of the determined parameters in numerical calculations using the finite element method. This approach provides a further opportunity to carry out experimental and numerical analyses, based on predefined material parameters.

Deadline for manuscript submissions:

closed (20 February 2022)



mdpi.com/si/63651

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

Contact Us

Materials Editorial Office
MDPI, St. Alban-Anlage 66
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)