materials

IMPACT FACTOR 3.1 | Indexed in: PubMed | CITESCORE 5.8

an Open Access Journal by MDPI

The Structure of Building Materials Obtained from Various Substances and Their Specialized Applications

Guest Editor:

Prof. Dr. Magdalena Janus
Faculty of Civil and Environmental Engineering, West Pomeranian University of Technology, Szczecin, al. Piastów 50, 70-311 Szczecin, Poland

Deadline for manuscript submissions:
closed (20 August 2022)

Message from the Guest Editor

Dear Colleagues,

Building materials that should have additional features in addition to basic ones are increasingly sought after. Such parameters include, for example, additional hydrophobicity in the case of some plasters, superhydrophilicity in the case of some glasses or self-cleaning or disinfecting properties in the case of ceramic tiles. In addition, materials are introduced so that the final shape of the elements can be given by printing. Due to the decrease in natural resources, waste materials are used interchangeably in building materials, which allows materials to achieve different properties.

In this Special Issue, we would like to focus on new building materials, which as a result of modifications have gained new features, such as, for example, superhydrophilicity, superhydrophobicity, photoactivity, the possibility of use in 3-D printing and also new materials obtained through the addition of waste. Further, publications concerning physicochemical analysis or microstructure analysis of such materials will be welcome.

materials

IMPACT FACTOR 3.1 | Indexed in: PubMed | CITESCORE 5.8

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