

Special Issue

Advanced Engineering Cementitious Composites and Concrete Sustainability

Message from the Guest Editor

One of the most used building materials today, concrete, is the base of modern constructions around the world, being used for foundations, pavements, building walls, architectural structures, roads, bridges, overpasses, etc. Due to its versatility, it can be stated that almost all buildings include concrete in one form or another. However, the diversified nature of the components, their combination, and dosage lead to a very wide range of types of concrete, with different characteristics. Therefore, concrete is a material in continuous development that is of high interest even today. The main objectives of this Special Issue include modeling and obtaining new advanced cementitious materials or alternative concrete. *Areas of interest include but are not limited to:*

- Advanced engineering cementitious composites;
- Modeling and simulation of concrete;
- Characterization of sustainable cementitious materials;
- Sustainable concrete and alternative cementitious binders;
- Additive manufacturing of concrete;
- Sustainability and environmental impact assessment of concrete materials;
- Geopolymer obtaining and characterization;
- Alkali-activated materials.

Guest Editor

Dr. Dumitru Doru Burduhos Nergis

Faculty of Materials Science and Engineering, "Gheorghe Asachi"
Technical University of Iasi, 67 Prof. D. Mangeron Blvd., 700050 Iasi,
Romania

Deadline for manuscript submissions

closed (10 January 2023)



Materials

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed



mdpi.com/si/96960

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 Editorial Board

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.

Editors-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

Prof. Dr. Yuguang Ma

State Key Laboratory of Luminescent Materials and Devices, South China University of Technology, Guangzhou 510640, China

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)