



Advances in Binders for Construction Materials

Guest Editor:

Dr. Jorge Otero

Department of Art Conservation,
University of Barcelona, 08028
Barcelona, Spain

Deadline for manuscript
submissions:

closed (20 December 2022)

Message from the Guest Editor

Dear Colleagues,

This Special Issue welcomes contributions that address research and practical advances in *i)* alternative binder manufacturing processes; *ii)* chemical, microstructural, and structural characterization of unhydrated binders and of hydrated systems; *iii)* the properties and modelling of concrete and mortars; *iv)* applications and durability of concrete and mortars; and *v)* the conservation and repair of historic concrete/mortar structures using alternative binders.

Keywords: binders; mortars; renders; grouts; building materials; lime; cement; concrete; alkali-activated materials; alternative binders; high-performance concrete; geopolymers; gypsum; calcium aluminate cement; nanolime; supersulfated cements; calcium sulfoaluminate binders; mortar additives; Roman fly ash; cementitious composites; calcined clay limestone cements; natural pozzolans; hybrid binders; nanomaterials; durability; life cycle assessment; recycled materials; waste management; environmental assessment; repair of historic construction materials; concrete conservation; case studies





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)