



Advances in Function Geopolymer Materials

Guest Editors:

Dr. Michał Łach

Faculty of Material Engineering
and Physics, Cracow University of
Technology, Jana Pawła II 37, 31-
864 Cracow, Poland

Dr. Patrycja Bazan

Faculty of Materials Engineering
and Physics, Institute of Materials
Engineering, Tadeusz Kosciuszko
Cracow University of Technology,
Al. Jana Pawła II 37, 31-864
Cracow, Poland

Dr. Kinga Korniejenko

Institute of Material Engineering,
Faculty of Material Engineering
and Physics, Cracow University of
Technology, Jana Pawła II 37, 31-
864 Cracow, Poland

Deadline for manuscript
submissions:

10 October 2024

Message from the Guest Editors

Dear Colleagues,

Geopolymer materials classified as inorganic polymers have been known for several decades, but there is currently an increased interest in this type of material. Because geopolymer production technology is sensitive to changes in raw material prices, it is difficult for geopolymers to compete with the prices of conventional mass-produced concretes. However, there is a lot of interest in many specialized, often niche applications. One of them is, for example, thermal insulation. Geopolymer materials have a number of unique properties and are classified as functional materials. Thanks to the properly designed syntheses of these materials, it is possible to control various properties. This Special Issue will present the latest achievements and research results on geopolymers as functional materials. We invite all scientists involved in the development of advanced geopolymer binders and concretes as well as advanced geopolymer composites to submit to this issue.

This Special Issue aims to attract original contributions in topics related to advanced functions of geopolymers.





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)