Special Issue

Geopolymers: Recent Research and Future Prospect

Message from the Guest Editor

Geopolymers are amorphous ceramic materials obtained from the alkaline activation of aluminosilicates, including those derived from wastes. They can help to reduce the energy consumption during production, the emission of greenhouse gases, and the environmental impacts if compared to ordinary Portland cement-based materials. The application fields of geopolymers can be divided into two main categories: those with conventional physical and mechanical properties, and those for functional and advanced applications. Geopolymers belonging to the first category can find applications in building, construction, repair, restoring, marine construction, pavement base materials, 3D printing, fire-resistant and high-temperature materials, and thermal and acoustic insulation. Special applications include the immobilization of heavy metal pollution, pH regulator materials, catalysts, conductive materials for moisture sensor applications, and thermal storage. Functional applications, such as in fire prevention, isolation, heat preservation, and adsorption of harmful ions, can be used for buildings in special fields.

Guest Editor

Dr. Laura Ricciotti

Department of Architecture and Industrial Design, University of Campania, Luigi Vanvitelli, 81031 Aversa, Italy

Deadline for manuscript submissions

closed (31 January 2024)

Polymers

an Open Access Journal by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed

mdpi.com/si/152615

Polymers
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
polymers@mdpi.com

mdpi.com/journal/polymers

Polymers

an Open Access Journal by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed

mdpi.com/journal/polymers

MDPI

About the Journal

Message from the Editor-in-Chief

Since its foundation in 2009, *Polymers* has developed into an internationally renowned, extremely successful open access journal. The editorial team and the editorial board dedicatedly combine open-access publishing and high-quality rigorous peer reviewing. The performance of the journal has proven this strategy to be well-suited and highly successful. This is reflected in the increasing impact factor of *Polymers*, the most recent one being 4.7.

I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Alexander Böker
Lehrstuhl für Polymermaterialien und Polymertechnologie, University of Potsdam, 14476 Potsdam-Golm, Germany

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), Ei Compendex, PubMed, PMC, FSTA, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank:

JCR - Q1 (Polymer Science) / CiteScore - Q1 (General Chemistry)