Special Issue

Recent Development in Geopolymers

Message from the Guest Editors

Recently, geopolymers have been the most commonly researched sustainable alternative binders to traditional cement-based binders in cementitious composites. It has been shown that geopolymers can provide viable mechanical properties for a potential replacement of structural concrete if properly designed and cured. In this Special Issue, we aim to update the community on recent developments in the field of geopolymer composites and their applications in the area of novel sustainable building materials. The specific areas of interest of the Special Issue include (but are not limited to) the composition and matrix mix design of geopolymer cements, mortars and concretes, along with reinforced matrices (longitudinal-, fiber-, or textile reinforcement). The issue will address the composites' properties in fresh and hardened states, including their physical, mechanical and fracture mechanical characteristics. Topics may include creep, shrinkage, and carbonation, as well as the durability and long-term behavior aspects of the composite. Applications of geopolymer composites in building constructions, retrofit, and maintenance are also welcomed.

Guest Editors

Prof. Dr. Ildiko Merta

Prof. Dr. Vlastimir Radonjanin

Prof. Dr. Mirjana Malešev

Deadline for manuscript submissions closed (10 June 2023)



Polymers

an Open Access Journal by MDPI

Impact Factor 4.9 CiteScore 9.7 Indexed in PubMed



mdpi.com/si/139443

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



polymers



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)