

Special Issue

The Production Processes and Applications of Geopolymers, 2nd Edition

Message from the Guest Editors

This Special Issue aims to provide a comprehensive overview of recent developments in geopolymer science and technology, emphasizing their role in sustainability and circular economy principles. We invite researchers to submit original research articles, reviews, and short communications on topics including, but not limited to, the following:

- Development of geopolymer binders from industrial by-products (e.g., fly ash, slag, red mud);
- Alkali-activated materials and alternative activators;
- Characterization and durability of geopolymers in diverse environments;
- Mechanical, thermal, and chemical properties of geopolymers;
- Geopolymer composites and functionalized materials;
- Applications in construction, infrastructure, and advanced engineering;
- Geopolymers for carbon capture and environmental remediation;
- 3D printing and additive manufacturing of geopolymer-based materials;
- Life cycle assessment and sustainability metrics of geopolymer systems.

By gathering contributions from leading experts, we aim to showcase the latest research advancing the field of geopolymers while reinforcing their impact on sustainable development and resource efficiency.

Guest Editors

Dr. Kinga Korniejenko
Dr. Katarzyna Łoś
Dr. Aleksandar Nikolov

Deadline for manuscript submissions

15 July 2026



Ceramics

an Open Access Journal
by MDPI

Impact Factor 2.0
CiteScore 3.7



mdpi.com/si/232263

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

[mdpi.com/journal/
ceramics](https://mdpi.com/journal/ceramics)





Ceramics

an Open Access Journal
by MDPI

Impact Factor 2.0
CiteScore 3.7



[mdpi.com/journal/
ceramics](https://mdpi.com/journal/ceramics)



About the Journal

Message from the Editor-in-Chief

Ceramics (ISSN 2571-6131), an international, open access journal, provides an advanced forum for ceramics science and engineering. Research articles, reviews and other contents are released on the internet immediately after acceptance. The scientific community and the general public have unlimited and free access to the content as soon as it is published. We are committed to drive *Ceramics* to a position in which it is recognized for its high-quality, cutting-edge research and scientific influence, and strongly encourage and invite your participation and manuscripts. Your contribution should lead to the development of technical ceramics with better performances and to improve our quality of life.

Editor-in-Chief

Prof. Dr. Gilbert Fantozzi
INSA-Lyon, MATEIS Laboratory UMR CNRS 5510, 69621 Villeurbanne,
France

Author Benefits

High Visibility:

indexed within Scopus, ESCI (Web of Science), and other databases.

Journal Rank:

JCR - Q2 (Materials Science, Ceramics) / CiteScore - Q2 (Materials Science (miscellaneous))

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 20.4 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).