

## 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 November 2025



## Ceramics

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## 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.

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### Editor-in-Chief

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#### Rapid Publication:

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