

## Special Issue

# Silicate Materials: Preparation, Characterization and Applications

### Message from the Guest Editors

The issue includes a wide range of studies on aspects of the synthesis of various silicate materials, including building materials, thermal insulating materials, coatings, and materials with special properties. The processes of physical and chemical interaction of the components of raw mixtures, the formation of the structure of the synthesized materials, and the relationship between their composition, structure, and properties will be considered. Particular attention will be paid to research in the field of synthesis of functional materials based on silica-containing wastes, since most wastes from many industries (mining and processing of ores and minerals, metal production, solid fuel thermal power engineering, and many others) are represented by silicate products. This direction is especially relevant for solving one of the most important problems of our time: reducing the environmental load by recycling anthropogenic waste. I am pleased to invite you to submit an article to this Special Issue. Full articles, short communications, and reviews are all welcome.

### Guest Editors

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### Deadline for manuscript submissions

closed (10 September 2023)



## Materials

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## About the Journal

### 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.

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### Editor-in-Chief

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