

Special Issue

Alkali-Activated Binders

Message from the Guest Editors

Alkali-activated materials (AAMs) have been a focus area of research for the past few decades, and are attracting increasing attention from both academia and industry due to their relatively lower CO₂ emissions compared to traditional ordinary Portland cement (OPC)-based binders. This Special issue is organized into three sections:

Section 1: A shared platform for the direct comparison of different AAMs with specified Si/Al, Na/Al and Ca/Si ratios with the aim of better understanding the correlation between the properties of AAMs and their intrinsic characteristics, regardless of various precursors.

Section 2: More insights into the mechanisms regarding the effects of different influential factors on the shrinkage behavior of AAMs and related solutions.

Section 3: A more comprehensive analysis for a better selection of alkaline activators and addition methods (either one-part or traditional two-part) given different possible application requirements.

Guest Editors

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Deadline for manuscript submissions

closed (31 August 2023)



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CiteScore 4.4



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Message from the Editor-in-Chief

Minerals welcomes submissions that report basic and applied research in mineralogy. Research areas of traditional interest are mineral deposits, mining, mineral processing and environmental mineralogy. The journal footprint also includes novel uses of elemental and isotopic analyses of minerals for petrology, geochronology and thermochronology, thermobarometry, ore genesis and sedimentary provenance. Contributions are encouraged in emerging research areas such as applications of quantitative mineralogy to the oil and gas, manufacturing, forensic science, climate change, geohazard and health sectors.

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