Special Issue

Characteristics of Raw Materials Used for Alkaline Activation and Geopolymerization Processes

Message from the Guest Editors

Reducing the release of CO2 in the production and emission of CO2 is a highly important environmental problem in the production of concrete; there is a need to develop materials that can replace concrete with engineering materials whose production does not have such a heavy burden on the environment. The most promising alternative solutions for the production of Portland cement are technologies of materials production based on alkali activation and geopolymerization. In addition, the process use anthropogenic raw materials (minerals) such as slags and fly ashes and other wastes for the production. It enables one to use waste as a raw material for manufacturing new products in low energy and low emission processes.

This Special Issue aims to attract original contributions in topics related to the usage of different raw materials for processes of alkali activation and geopolymerization, covering aspects ranging from the preparation of such materials (especially using natural or waste materials), their characterization, and application in different areas, especially in the construction industry.

Guest Editors

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Message from the Editor-in-Chief

Welcome to *Crystals*, the journal dedicated to the fascinating world of crystallographic research! Crystals are more than mere decorative elements; they hold the key to understanding the fundamental structure of matter. Our mission is to explore the crucial significance of this research across various fields. From medicine to technology, chemistry to geology, crystals play a vital role. Their structure provides insights into new advanced materials, innovative drugs, and groundbreaking technologies. Through *Crystals*, we delve into the microscopic world to discover solutions that will shape the future. Join us on a journey through the *Crystals*, where science merges with beauty and innovation.

Editor-in-Chief

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