

Special Issue

Geopolymers and Composite Geopolymeric Materials for Environmental Pollution

Message from the Guest Editors

Across the globe, industrialization and urbanization have greatly increased environmental pollution; hence, the need for sustainable and efficient materials that can combat pollutants is greater than ever. In this Special Issue, geopolymers and composite geopolymeric materials have been explored for the adsorption of pollutants from environmental media as one of their greatest applications. This Special Issue aims to identify new directions and revise the existing technologies for more effective pollution control based on alkali-activated materials and their derivatives.

This Special Issue will investigate the use of geopolymer-based materials for air and water pollution control, covering the development of a new class of alkali-activated materials, studies on their adsorption properties, and their optimization for real-world applications. It also seeks to attract comparative studies and environmental impact assessments (LCAs) of other adsorbents while suggesting innovative strategies for the regeneration and reuse of such materials.

Guest Editors

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I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

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