Special Issue

Geopolymers and Alkali-Activated Materials: Preparation and Properties

Message from the Guest Editors

As of this Special Issue, titled “Geopolymers and Alkali-Activated Materials: Preparation and Properties”, we cordially invite you to contribute research articles, review articles, short communications, technical notes and/or perspectives. This Special Issue will comprise a collection of articles from top researchers that cover new insights and perspectives on the development and characterization of geopolymers (GPs) and alkali-activated materials (AAMs). Nowadays, because of the strong need to reduce pollution from Portland cement production and setting, waste disposal, and resource consumption, several GPs and AAMs have been synthesized using various wastes. However, there are many properties that need to be understood when adjusting precursors and synthesis conditions. This Special Issue aims to shed light on a deeper understanding of the mechanisms and processes controlling the development and performance of GPs and alkali-activated materials from synthesis to application, material chemistry and engineering, inorganic chemistry, GP and AAM composites, mineralogy, waste management, sustainability, etc. We look forward to receiving your contributions.

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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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