Special Issue

Research on Alkali-Activated Materials (Second Edition)

Message from the Guest Editors

Alkali-activated materials are a kind of cementitious materials generated by the reaction of solid silicate waste (slag, fly ash, kaolinite, etc.) with pozzolanic activity or potential hydraulic properties and an alkaline activator, such as alkali-aluminosilicate vitreous, alkali-fired clay, alkali-ore tailings, and alkali-calcium carbonate. Their advantages include a simple preparation, low costs, easy access to raw materials, low energy consumption, green environmental protection, high strength, and good durability, among others, making them an ideal substitute for Portland cement. As low-carbon materials, they have become a research focus and hot topic in major countries around the world.

You can view the first volume of this topic here: https://www.mdpi.com/journal/materials/special_issues/64XQPNV10E. To promote the application of alkali-activated materials, we are pleased to invite researchers from all over the world to investigate them. In this Special Issue, original research articles, reports, and reviews are welcome.

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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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