Special Issue

Research on Geopolymers: Synthesis Methods, Manufacturing Process, Properties and Applications

Message from the Guest Editor

Geopolymers have received considerable attention in recent years for their potential applications in various fields such as construction, waste management and aerospace. Research on geopolymers still faces issues such as material performance optimization, production performance optimization and application scope expansion. Researchers need to find more available raw materials and develop new raw materials, further optimize the material formula and preparation process, improve the production process, and improve geopolymer performance. We invite you to submit high-quality research or review papers to this Special Issue, focusing on various aspects such as synthesis methods, manufacturing process and mix design, waste optimization, nano-material incorporation, fresh-state–mechanical–durability properties, multi-functional characteristics (self-healing, self-sensing, 3D printing, etc.), applications (in construction, rehabilitation, and monitoring of structures and other infrastructures) and life-cycle modeling.

Guest Editor

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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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