

Special Issue

Sustainable and Alternative Cementitious Materials

Message from the Guest Editors

Within an increasing global population, especially in cities, the demand for construction and building materials has also increased significantly. This increase has in turn resulted in a significant growth in the utilization of natural resources. Ordinary Portland cement (OPC) is typically the material used in the greatest amount in construction due to its wide availability and attractive durability and strength properties. However, significant opportunities for improvement of OPC-based concretes exist, which can provide lower carbon dioxide emissions and better durability behavior. These alternative cementitious materials, such as calcium sulfoaluminate cements, calcium aluminate cements, and alkali-activated materials, may provide opportunities for sustainable development through minimizing the usage of natural resources and result in more sustainable construction materials...

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