

Special Issue

Benefits of Alkali Activated Materials toward Sustainable Construction: Latest Advances and Prospects

Message from the Guest Editor

Developing sustainable resources for building materials without compromising the environment is one of the main challenges facing modern society. Alkali-activated materials (AAMs) are identified as a breakthrough and an essential element of the future of environmentally friendly building materials. AAMs contribute to a circular economy by repurposing waste from other industries while still fulfilling the vital cement function in constructions. As a result, the material's carbon emission is significantly less than traditional Portland cement in its production. This Special Issue aims to highlight the most recent advancements in AAMs and their potential toward sustainable construction. Furthermore, scientific areas such as AAMs additive manufacturing technology, materials characterization, improved performances in terms of mechanical and physical properties, as well as the durability of various types of AAMs (such as single- and multi-binder AAMs and foam AAMs) are considered.

Guest Editor

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