

Special Issue

Application of Sustainable Cement-Based Materials in Civil Infrastructure Systems

Message from the Guest Editors

Cement-based materials include a wide range of products such as concrete, cement-based grouts, and masonry mortars, to name just a few. With an estimated production rate of 30 billion tonnes per year, concrete is the most widely used man-made material in the world.

As such, due to the ubiquity of these products, the development of sustainable cement-based materials could immensely affect the global sustainability strategies. Methods for improving the sustainability of cement-based materials can range from reducing the reliance on the energy- and CO₂-intensive Portland cement to the utilization of industrial and agricultural wastes in their production.

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