Special Issue

Self-Compacting Concrete Produced with Different Kinds of Industrial by-Products

Message from the Guest Editors

Concrete is one of the most widely used materials in the construction sector and one of the most important contributors to its environmental impact. This is largely due to the fact that its production traditionally uses Portland cement, which in turn is produced with high energy consumption and CO2 emissions. It is important to find viable alternatives to the use of cement. Various types of industrial by-products, such as wood ash, solid waste incinerator bottom ash, solid waste incinerator fly ash, metakaolin, cement kiln dust, graphene oxide, agri-industrial by-products, electric arc furnace dust, and coal bottom ash, may present a real possibility to partially replace cement and thereby reduce the impact inherent in the use of concrete as a building material. The aim of this Special Issue is to explore the potential of industrial by-products used in the production of self-compacting mortar or concrete composites and to discuss new opportunities in this field.

Guest Editors

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