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Carbon-Nanomaterial-Enhanced Cementitious Composites

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Deadline for manuscript submissions:
closed (28 February 2021)

Message from the Guest Editor

Dear Colleagues,

Recently, nanomaterials such as carbon nanotubes (CNTs) and graphene oxide (GO) have been widely applied to cementitious composites to enhance their mechanical performance. In addition to mechanical properties, carbon-based nanomaterials can enhance the electrical and thermal properties of cementitious composites. This allows conventional cement-based materials to achieve multiple functions. In this regard, this Special Issue invites original experimental and theoretical research articles on nano-enhanced cementitious composites to contribute to our understanding of their performance in more detail.

The goal of this Special Issue is to disseminate original research and review studies that address (experimental or theoretical) advances, trends, challenges, and future perspectives regarding the development, mixture, characterization, and use of carbon nanotubes for cementitious composites.

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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