Special Issue

Nanotechnology in Cement-Based Construction: Trends and Challenges

Message from the Guest Editor

In the few last years, nanotechnology has experienced great development, due to new nanomaterials available in the market and the multifunctional applications of nano-modified composites in various fields of science and engineering. In particular, the construction field appears devoted to improving through the use of nanomaterials: improvements to physical, mechanical, thermal properties, or novel multifunctionalities, such as electromagnetic shielding, self-sensing, and self-healing capabilities, could increase the service life of structures and the comfort and the safety of their users. This Special Issue will investigate the progress of new nanomaterials for cement-based composites and their applications in structures and infrastructures. Research about tailored nanoparticles and nano-modified cementitious composites are welcome, as well as laboratory/in situ investigations on elements or structures made of nanomaterials. For further reading, please visit the ***Special Issue website.***

Guest Editor

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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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