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Application of Nanotechnology in Building Composites

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Message from the Guest Editor

Dear Colleagues,

The development of nanotechnologies in recent years has influenced the sphere of building materials on a large scale. Advances have been made in the use of nanomaterials in fresh blends to change their viscosity and processability. Nanoparticles serve as reinforcements, densifiers, or hydration modifiers in the microstructure of composites and work to improve the resulting elastic, strength, fracture, thermal, or electrical properties of the composites. Nanomaterials are used as corrosion inhibitors and coatings. Active surfaces (self-cleaning, hydrophobic, or icephobic) were prepared by applying nanomaterials to building materials.

The Special Issue will gather contributions that describe new approaches and the latest achievements and advances in the application of nanotechnologies, advances in the characterization of material nanolevel, or nanomodifications of building materials. Bulk, surface, fresh mixture, or hardened state applications are of interest. The Special Issue welcomes research articles and reviews on relevant topics.

Prof. Jiří Němeček
Guest Editor



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Special Issue



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Message from the Editor-in-Chief

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