

Special Issue

Application and Research of Nanomaterials in Cement and Its Composites

Message from the Guest Editor

We invite researchers from academia, industry, and research institutions to submit their original research, review articles, and perspectives on various aspects of theoretical research, microstructure characterization, mechanical enhancement mechanisms, performance optimization and engineering applications of nanomaterials in cement and its composites. Potential topics of interest for this Special Issue include, but are not limited to:

- Mechanical Reinforcement Mechanisms;
- Comprehensive Enhancement of Mechanical Performance;
- Advanced Toughening Technologies;
- Applications of Various Nanomaterials;
- Multi-scale Mechanical Modeling;
- Mechanical Performance under Extreme Environments;
- Multifunctional and Smart Materials;
- Processing and Dispersion Stability.

We look forward to receiving your contributions. See more information in <https://www.mdpi.com/si/280127>

Guest Editor

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Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal–organic frameworks, membranes, nano–alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access. We are proud of our increasing impact factor and ability to provide rapid decisions to authors.

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