Special Issue

Polymer Admixture-Modified Cement-Based Materials

Message from the Guest Editor

The application of polymer admixtures in cement-based materials has become increasingly widespread. Researchers have gained a deeper understanding of the interaction mechanisms and performance impacts of polymer admixtures on cement-based materials. Compared to traditional cement-based materials, polymer admixtures can significantly enhance the properties of cement-based materials, such as rheological properties, mechanical properties, fracture toughness, and durability. This Special Issue focuses on the latest advancements in understanding the performance implications of polymer admixtures on cement-based materials and their the interaction mechanisms. We welcome contributions exploring the use of various polymer admixtures, including, but not limited to, superplasticizers, retarders, air-entraining agents, nanocellulose, and silica aerogel, and their impact on the properties of cement-based materials. This Special Issue aims to showcase innovative research in the field, fostering the further development of high-performance and sustainable cement-based materials.

Guest Editor

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Message from the Editor-in-Chief

Since its foundation in 2009, *Polymers* has developed into an internationally renowned, extremely successful open access journal. The editorial team and the editorial board dedicatedly combine open-access publishing and high-quality rigorous peer reviewing. The performance of the journal has proven this strategy to be well-suited and highly successful. This is reflected in the increasing impact factor of *Polymers*, the most recent one being 4.7.

I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

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