

Special Issue

Recent Technologies and Applications of High-Performance Cement and Concrete

Message from the Guest Editors

This Special Issue will publish high-quality, original research papers in the overlapping fields of: (1) Development history of materials research and application:

- Research history of high-performance cement and concrete;
- Application history of high-performance cement and concrete;

(2) Material property design theory and optimization method:

- High mechanical properties;
- High carbon capture and sequestration;
- High durability;

(3) Eco-friendly high-performance cement and concrete:

- High-performance cement and concrete made by waste resources;
- Recovery and utilization of high-performance cement and concrete;
- The effect of concrete on the environment;

(4) Future development of high-performance cement and concrete:

- Design theory of material properties based on artificial intelligence method;
- Intelligent construction technology for high-performance cement and concrete;
- Cement-based materials used in Lunar and Martian construction.



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About the Journal

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.

Editor-in-Chief

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