



Durability and Mechanical Properties of Sustainable, High-Performance and Multi-Functional Concrete Materials

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Message from the Guest Editors

Dear Colleagues,

Since its invention, concrete has become one of the most commonly used construction materials in the world. In recent decades, as awareness of environmental protection has grown and construction demands have increased, a number of new highly sustainable, high-performance and multifunctional concrete technologies and materials have emerged. As a result of these new concrete technologies, UHPC, ECC, geopolymers concrete, recycled waste concrete, self-healing concrete and other newly developed concrete materials have been developed with improved mechanical and green properties, resulting in a variety of new features and functions that have contributed to the development of new concrete structures.

This Special Issue focuses on new concrete materials' durability and mechanical properties, which are key factors in their application in engineering with regard to sustainability, high performance and multifunctionality. We intend to highlight new developments in concrete materials, including but not limited to the design and preparation, durability, mechanical properties, microstructure characterization and structural applications of new concrete materials.





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Message from the Editor-in-Chief

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