



Recent Advances in Sustainable Construction Materials: Design, Preparation, Evaluation and Performance Optimization of New Concrete Materials

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Message from the Guest Editors

Dear Colleagues,

With the increasing focus on carbon neutrality and climate change, the global demand for sustainable construction has grown. In the field of construction materials, many innovations have been devised in the development of advanced sustainable materials, such as ultra-high-performance concrete, recycled concrete, carbon-negative concrete, and alkali-activated concrete. Additionally, new construction technologies, such as 3D-printed concrete and prefabricated and prefinished volumetric construction, have also been developed. These innovations have enabled constructions to be more durable, sustainable, resilient, and energy efficient. The main purpose of this Special Issue is to introduce the latest developments and advances in sustainable construction materials. It will provide a platform for sharing concepts and visions regarding the design, preparation, evaluation, and performance optimization of new concrete materials. This Special Issue also welcomes contributions from academics and practitioners on the innovations and applications of new construction materials. Original research papers, case studies, and review papers are all welcome.





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Message from the Editor-in-Chief

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