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Advanced Sustainable Concrete Materials from Nano-, Micro- and Macro-Perspectives

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Message from the Guest Editors

In view of the current climate conditions (e.g., global warming), there is an ever-increasing need for an industrial green revolution, including in construction. Fortunately, some sustainable alternatives to traditional concrete have been discovered. Sustainable concrete is a form of eco-friendly concrete that utilizes wastes and recycled or residual materials as raw materials. Compared to conventional concrete, it decreases natural resource consumption and carbon dioxide (CO_2) emissions without sacrificing its mechanical and durability properties. To date, various concepts and forms of sustainable concrete have been proposed that have the potential to replace conventional concrete in different fields of application. However, most types of sustainable concrete are still in the research and development stage and have not emerged beyond small-scale application. This Special Issue is dedicated to the research of advanced sustainable concrete materials from nano-, micro-, and macro-perspectives, and aims to promote the development and application of sustainable concrete materials.

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Message from the Editor-in-Chief

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