

Special Issue Reprint

Recent Progress in Sustainability and Durability of Concrete and Mortar Composites

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Given the fast rise of urbanization in recent decades, environmental sustainability is a critical element that researchers and the building industry should not overlook. The growing level of concrete production worldwide, which uses a lot of natural resources, demonstrates the need for a sustainable approach via the use of alternative materials and lowering the CO2 footprint. The global concept of sustainable development covers all areas: from development policy to adequate waste management, research and development, the environment, industrial development, , and the transition from a linear economy to a circular one. In this context, the creation of eco-friendly cementitious composites with applicability in the construction industry, which is intelligently designed and has durability characteristics superior to conventional composites, must be a permanent focus of researchers worldwide.

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