



## Advances in Sustainable and High Performance Cement Based Composites

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Deadline for manuscript  
submissions:  
**closed (20 March 2023)**

### Message from the Guest Editors

It is a well-known fact that the construction sector, in its broadest sense, is one of the major causes of human environmental impact on the earth. The cement industry is the largest source of CO<sub>2</sub> emissions in the entire industry, emitting around 800 kg of CO<sub>2</sub> per tonne of cement produced. It is, therefore, an urgent need to decarbonize this activity.

The choice of sustainable and high-performance materials can be a key to reducing the footprint of this activity on the planet. On the other hand, materials composed of a mineral matrix reinforced with sustainable fibers are a very versatile product that can play multiple roles in the building, from pavements, coatings, and roofing plates, to elements for interior partitions.

In this Special Issue we aim to provide the latest developments in research on sustainable composite materials of the mineral matrix (and, therefore, gypsum, lime, cement of all kinds, geopolymers, etc.), reinforced with any type of fiber. We want to know and collect a representative sample of the materials being developed in the laboratory as a sustainable alternative to existing products on the market, which could be replaced due to their good outputs.





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## Message from the Editor-in-Chief

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