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Advances in Cement-Based Materials: Mechanical Behavior, Rheology, and Radiology

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Concrete is the most widely used artificial material in the world and its use is closely associated with improving the quality of life. And the use of supplementary cementitious materials, among which industrial waste or by-products stand out, or the use of non-conventional aggregates, such as recycled concrete aggregates represent also the important line of research.

The use of wastes in the manufacture of construction materials must ensure that not only do they meet technical requirements for resistance and durability, but also that they do not pose a risk to human health.

In this issue we want to compile works that give answers to some questions in this sense:

- How does the reuse of waste and industrial byproducts affect the mechanical performance and rheology of the final cementitious materials?
- How can these properties be improved?
- What amount and type of waste can be used in building materials without posing a radiological risk?

I invite you to contribute your works to this Special Issue that will undoubtedly represent an advance in knowledge.

Dr. María del Mar Alonso López

Guest Editor

Special Issue





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Editor-in-Chief

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Message from the Editor-in-Chief

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