

## Special Issue

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

### Message from the Guest Editor

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.

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### Guest Editor

Dr. María del Mar Alonso López

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### Deadline for manuscript submissions

closed (10 August 2023)



## Materials

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### Message from the Editorial Board

*Materials* (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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