

## Special Issue

# Advances in Concrete and Binders for Sustainable Engineering

### Message from the Guest Editors

The management of different industrial waste and by-products, such as recycled aggregates from construction and demolition waste, alumina by-products, biomass ash, and olive stone or reinforcing fibers, as well as the reduction of landfill deposits by incorporating these products in a second life cycle, is the aim of this work. Over the last two decades, the application of these materials as mixed recycled aggregates or recycled concrete aggregates in engineering works has been studied intensively. Additionally, the application of some of these by-products in the production of concrete has been the subject of numerous investigations, with the aim of applying these types of materials as a supplementary cementing material, limestone filler, or as a replacement for natural aggregates. For this reason, this Special Issue presents current research that is applicable for engineering projects, with a focus on the use of efficient materials in some stages of the life cycle in order to improve the reduction in CO<sub>2</sub> demand.

### Guest Editors

Prof. Dr. Mónica López-Alonso

Prof. Dr. Alessandra Bonoli

Prof. Dr. Francisco Agrela

### Deadline for manuscript submissions

closed (20 July 2025)



## Materials

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### Message from the Editor-in-Chief

*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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