# Special Issue

# Eco-Friendly and Low-Carbon Cement-Based Materials

### Message from the Guest Editors

The urgent global need for sustainable construction solutions is driving a paradigm shift in how we design and manufacture cementitious materials. As the construction industry grapples with mounting environmental pressures, including resource depletion, construction and demolition waste, and rising carbon emissions, replacing conventional aggregates with recycled solid waste materials presents a promising path toward greener and more resilient infrastructure. This Special Issue, titled “Eco-Friendly and Low-Carbon Cement-Based Materials”, aims to highlight the latest scientific and technological advancements in the development, performance assessment, and application of sustainable cement-based composites that incorporate recycled solid materials such as construction and demolition waste, industrial by-products, and other alternative aggregates. By focusing on circular economic principles, this Issue seeks to foster innovation in material reuse, resource efficiency, and low-carbon cementitious technologies.

### Guest Editors

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### Deadline for manuscript submissions

20 October 2026

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/244816

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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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