

Special Issue

The New Generation of Concrete: Use of Eco-Efficient Aggregates, Binders and Water

Message from the Guest Editors

This Special Issue focuses on the development of sustainable cementitious composites, either through the replacement of natural aggregates with recycled aggregates, or the use of alternative sustainable binders to Portland cement or the use of reused water. The main topics covered in this Special Issue include (but are not limited to):

- Experimental characterization of cementitious composites containing recycled aggregates from all origins;
- Experimental characterization of cementitious composites containing alternative sustainable binders;
- Experimental characterization of cementitious composites containing recycled water;
- Development of analytical methods and numerical models applied to the characterization of sustainable materials and structures produced with them;
- Development of standards or specifications for evaluating the performance of sustainable materials;
- Development of a environmental and economic assessment of sustainable mixes and structures with them;
- Development of large scale models of sustainable materials, measuring the impacts of these new materials.

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I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

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