



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

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Deadline for manuscript
submissions:

closed (26 March 2023)

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 an 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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