



Advanced Concrete and Construction Materials

Guest Editors:

Dr. Mahdi Kioumarsi

Department of Built
Environment, Oslo Metropolitan
University, Oslo, Norway

Dr. Vagelis Plevrís

Department of Civil and
Environmental Engineering,
Qatar University, Doha, Qatar

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Message from the Guest Editors

Recently, new types of “advanced concretes” have been developed by improving the microstructure using alternative binders to traditional Portland cement as well as advanced ad-hoc materials and activators in terms of durability, safety, and overall environmental impact. New sustainable cementitious materials, such as alkali-activated binders (AABs) and calcium sulphoaluminate cement, have been investigated and developed to mitigate the environmental impact during the service life of structures. However, further studies are still required related to the optimization and standardization of mix designs for advanced cementitious composites, based on their specifications.

Among the main aims of this Special Issue are the modification, characterization, modeling, and recycling of concrete to improve sustainability, mechanical properties, durability, as well as the development of new concretes and the study of their properties and features.





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Editor-in-Chief

Prof. Dr. Marc A. Rosen

Faculty of Engineering and
Applied Science, University of
Ontario Institute of Technology,
Oshawa, ON L1G 0C5, Canada

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Sustainability Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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