



Durability and Sustainability of Concrete Mixtures

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Message from the Guest Editor

Concrete is the most widely used construction material in pavements and structures, the production of which requires large quantities of natural sources. Ensuring the durability and sustainability of the concrete elements of outmost importance due to the role they play in the economic growth of nations. This Special Issue focuses on the latest research findings in the broader area of the durability and sustainability of concrete mixtures. Various original and novel research topics will be considered, including, but not limited to:

- Durability and mechanical properties of sustainable concretes.
- Effects of advanced, multifunctional, green and sustainable materials on the durability and sustainability of concrete elements.
- Nano-engineered pavements and structures.
- Service life assessment of concrete pavements and structures containing sustainable materials.
- Advanced characterization and monitoring of sustainable concrete pavements and structures.
- Life time extension approaches, especially under severe environmental conditions such as freezing-thawing cycles.
- Machine learning techniques and artificial intelligence for prediction of the behavior of sustainable concretes.





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