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Durability and Sustainability of Concrete Mixtures

Guest Editor:

Dr. Ali Behnood
Research Associate, Lyles School of Civil Engineering, Purdue Univeristy, 550 W Stadium Ave., West Lafayette, IN 47906, USA

Deadline for manuscript submissions:
closed (31 December 2019)

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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Editor-in-Chief

Dr. Pedro Arias-Sánchez
Applied Geotechnologies Group, Department of Natural Resources and Environmental Engineering, School of Mining Engineering, University of Vigo, 36310 Vigo, Spain

Message from the Editor-in-Chief

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Contact Us

Infrastructures Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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