

## Special Issue

# Fatigue, Performance, and Damage Assessment of Concrete

### Message from the Guest Editor

Concrete fatigue is the phenomenon by which a concrete structure is caused to fail by the repeated application of loads. Fatigue-related long-term concrete performance may be influenced by various loading conditions, material properties, reinforcements, or environmental conditions. Progressive permanent internal structural change due to those influencing factors may be damaging and result in poor performance of the concrete structures. In recent years, the use of supplementary cementitious materials, recycled aggregates, nano-materials, and fibers which can improve long-term concrete performance in diverse aspects has been strongly encouraged. Thus, any research findings on fatigue, performance, and damage of concrete structures, pavements, and railway bridges made up of the aforementioned innovative materials are attracting more interest from the research society.

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### Guest Editor

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### Deadline for manuscript submissions

closed (30 December 2023)



## Applied Sciences

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### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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### Editor-in-Chief

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