

## Special Issue

# Sustainable Concrete Materials and Resilient Structures

### Message from the Guest Editor

The climate emergency is the utmost threat to our planet. Concrete materials and structures play a critical role in making societies resilient, stronger and safer. Among existing construction materials for building, civil engineering and other infrastructures, concrete is by far the most disaster-resilient and can be incorporated in various key aspects to make structures more resilient in support of UN's sustainable development objectives. This Special Issue focuses on sustainable and low carbon-based concrete materials, and resilience-based design and construction for civil infrastructure systems. It aims to cover the following scope/topics of interest:

- **Constituent Materials**
- **Concrete Properties and Testing**
- **Processing**
- **Concrete Structural Analysis and Design**
- **Structural Health Monitoring**

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### Guest Editor

Dr. Jiping Bai

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### Deadline for manuscript submissions

closed (20 July 2025)



## Applied Sciences

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CiteScore 5.5



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## About the Journal

### 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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