

## Special Issue

# Materials for Civil Construction and Sustainability

### Message from the Guest Editor

Currently, civil construction uses many natural resources, such as water, sand, among others, and these are becoming increasingly scarce as a result of population growth. Furthermore, cement production is highly polluting, responsible for a large portion of the emission of greenhouse gases. Thus, focusing on environmental issues, this special edition is dedicated to publishing original scientific research papers on new materials for civil construction with a focus on sustainability. These materials can be produced by using industrial waste, associated or not with technologies for their improvement, such as nanoparticles, polymers, among others. However, it is not limited to the use of waste, any new material or technology that reduces the need to extract natural products or extends their life time that, consequently, reduce the discarded volume are applicable. Methods, techniques, computer simulations that can be applied in the assessment of environmental impacts arising from the use or production of these materials can also be presented. Thus, scientific research focusing on new materials or methods with concern for sustainability will be welcomed in this special edition.

### Guest Editor

Prof. Dr. Angela Kinoshita

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### Deadline for manuscript submissions

closed (20 July 2023)



## Applied Sciences

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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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