

## Special Issue

# Construction Materials: Characterization, Structure and Durability

### Message from the Guest Editor

Scientific and technological development has led to the formulation of new materials, which have given rise to materials with new structural and industrial applications. This Special issue aims to analyze the preparation, characterization, structure, durability, new applications, construction waste and recycling of construction materials. First, an introduction to traditional and advanced construction materials is made, followed by an overview of material preparation techniques and various applications in recent years. Then, traditional construction materials as ideal candidates for absorbing wastes are studied, offering the possibility of obtaining new eco-efficient materials, such as concrete, while competitively approaching the concept of the circular economy. The following chapters focus on the study of different advanced construction materials. During the last decade, smart materials have significant attention as candidate materials due to their ability to demonstrate improved and unique properties compared to conventional construction materials. Obtaining construction materials through new synthesis processes is studied.

### Guest Editor

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### Deadline for manuscript submissions

closed (30 November 2024)



## 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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