Special Issue

Advances in Smart and Multifunctional Construction Materials and Built Assets

Message from the Guest Editor

This Special Issue aims to present recent advances in the design, characterisation, modelling, application, behavioural monitoring, and assessment of smart and multifunctional construction materials and built assets. Particular attention will be given to materials and construction solutions that improve structural and insulation performance, durability, and resilience while supporting environmental sustainability. The scope also covers low-carbon and recycled materials, as well as a description of the material constitutive models and numerical modelling.

We invite original research articles, reviews, and case studies addressing developments at the material, product, component, and structural levels. This collection aims to bring together researchers and practitioners from civil and structural engineering, materials science, architecture, infrastructure management, and related disciplines.

Keywords: smart construction materials; multifunctional materials and structures; built assets; structural materials; thermal insulation; recycled materials; circular economy; energy efficiency; structural health monitoring; sustainable construction

Guest Editor

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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.

Editor-in-Chief

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