

## Special Issue

# Digitalization for Smart and Energy-Efficient Buildings

### Message from the Guest Editor

Buildings in future smart communities must have energy-efficient systems, provide complete comfort, provide occupants with information, adjust operations to changing energy grid conditions, and ease strategic maintenance. Given the newest transformations and breakthroughs in the building and construction industry, it is expected that digital technology will play a large role in making buildings more intelligent, sustainable, efficient, reliable, and linked around the world. Data, analytics, and connectivity have made it possible to design a variety of new digital smart applications and devices.

This Special Issue aims to provide a comprehensive collection of research studies, investigations, experiments, and applications that deal with the implementation of digitalization and digital technologies and frameworks in the building and construction sector. This includes a wide range of investigations including digital twins, building design, the development of building information models, energy systems' operation, sensing and metering, performance optimization, and data collection and storage.

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### Guest Editor

Dr. Muhyiddine Jradi

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### Deadline for manuscript submissions

closed (20 December 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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