

Special Issue

Advancing Construction Challenges

Message from the Guest Editors

The construction industry faces unprecedented challenges in recent years. These include a shortage of skilled labour, rising costs, embodied energy, the need for sustainable practices, and the impacts of climate change. At the same time, the growing use of digital tools and the transformative potential of artificial intelligence (AI) are reshaping how construction knowledge is managed and applied. And the **Potential topics of this Special Issue** include, but are not limited to, the following:

- Managing construction knowledge in the era of AI;
- Improving labour productivity in response to construction challenges;
- Innovations in new materials, sustainability, and the circular economy;
- Advancements in construction equipment and digital monitoring for improved logistics;
- Innovative solutions to minimise demolition and waste;
- Addressing emerging risks in construction through new approaches.

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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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