



Sustainable Development of the Buildings and Construction Sector—Status, Challenges and Opportunities

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Message from the Guest Editors

Dear Colleagues,

Today, science faces great challenges related to actions undertaken in the frameworks of the sustainable development of the buildings and construction sector (the sector), from environmental, economic and social perspectives. It seems that the greatest challenge of our time is to increase the sustainability, efficiency, resiliency, safety and inclusiveness of the sector in order to achieve the Paris Agreement goals and the United Nations Sustainable Development Goals (SDGs). The sustainable development of the sector is not only a prerequisite for addressing climate change, but it also leads to the enhancement of the quality of life for all. In the sustainable development of the sector model, extremely important roles are ascribed to green building, sustainable construction, modular and offsite construction, zero carbon building, zero energy building, resilient construction, circular economy, lean construction, and digital technologies such as building information modelling (BIM), machine learning and artificial intelligence (AI)...

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