

Construction Management and Disaster Risk Management

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Message from the Guest Editor

The frequency, magnitude, and severity of natural and human-made disasters has steadily increased with substantial immediate and long-term impacts on communities, economies, and built environments. Hundreds of thousands of fatalities and billions of dollars in economic damage highlight the importance of studies in the field of disaster risk management (DRM) to reduce the negative impacts of disasters. Although disaster risk management plans and strategies have evolved in recent years, the development of disaster risk management literature in the construction and built environment context has not been sufficiently explored.

To this end, we invite researchers from a wide range of field of research to submit their original studies to this Special Issue to address this gap. This line of research is scarce and needs to be conducted in responding to new emerging challenges such as pandemics, floods, earthquakes, and storms.



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Special Issue

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Message from the Editor-in-Chief

Current urban environments are home to multi-modal transit systems, extensive energy grids, a building stock, and integrated services. Sprawling neighborhoods are composed of buildings that accommodate living and working quarters. However, it is expected that the cities and communities of the future will face complex and enormous challenges, including maintenance, interconnectivity, resilience, energy efficiency, and sustainability issues, to name but a few. A smart city uses advanced technologies and a digital infrastructure to improve the outcomes in every aspect of a city's operations. A smart building optimizes the experience of occupants, staff, and management by using a modern and connected environment. Innovations in technology that can bring dramatic improvements to design, planning, and policy are critical in developing the cities and buildings of the future.

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