Special Issue

Occupational Health in the Construction Industry

Message from the Guest Editors

Construction industry is a high hazard industry and has a significant impact on the health and safety of the workers. To promote and maintain safety in the workplace, knowledge about the primary causes of accidents help assess the level of safety. Effective management of activities and competent site supervision are essence in maintaining healthy and safe conditions. In construction activities especially, greater the risk, greater the degree of hazard control and supervision is required.

The goal of this Special Issue is to publish a collection of articles that are related to the following in construction: occupational Health and Safety; modeling of the development of accident situations; analysis of the causes of occupational accidents at work; occupational risk assessment and management; applications of new technology for research and training. For further reading, please follow the link to the Special Issue Website at: https://www.mdpi.com/journal/buildings/special_issues/5LSH03FZ4G

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About the Journal

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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