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Occupational Health and Safety Assessment in Construction

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Deadline for manuscript submissions:
closed (31 March 2023)

Message from the Guest Editors

Dear Colleagues,

We are pleased to invite you to contribute to this Special Issue entitled “Occupational Health and Safety Assessment in Construction”. Construction is always risky because of outdoor operations, work at heights, complicated on-site plants, and equipment operation, coupled with workers’ attitudes and behaviors towards safety. The nature of the rapidly changing conditions in buildings, infrastructure, and facilities, associated work hazards, and the characteristics of construction organizations further aggravate the situation. Many workers continue to be injured or killed due to a lack of safety management on construction sites. Employees and workers suffer health and long-term illness caused by their work. Many of these illnesses only manifest themselves years after exposure, and many are ultimately fatal. These injuries, deaths and illnesses can and should be prevented. There is a need for improvement in health and safety on construction sites and building projects. This Special Issue covers the latest research relating to occupational health and safety management, including policy issues and technical aspects.

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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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