Special Issue

Advances in Safety and Health at Work in Building Construction

Message from the Guest Editors

The construction industry is vital to economic development, infrastructure improvement, and societal progress. However, it is also one of the most hazardous sectors for workers, characterized by a multitude of risks ranging from stress, poor mental health, suicidal ideation, falls, and accidents to exposure to hazardous materials. Ensuring the safety and health of construction workers is paramount to the sustainability and success of the industry. With the rapid advancement of technology, there are unprecedented opportunities to innovate safety practices and leverage tools such as wearable devices, drones, and artificial intelligence to enhance safety and health outcomes.

We invite researchers, practitioners, policymakers, and industry experts to contribute original research articles, reviews, case studies, and perspectives that advance our understanding and practice of safety and health in construction. Contributions should address current challenges, propose innovative solutions, and offer practical insights to improve safety standards and promote good health and well-being in the construction industry.

Guest Editors

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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.

Editor-in-Chief

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