



## Digital Innovations and Smart Technologies for Occupational Health and Safety in Construction

Guest Editors:

**Dr. Maxwell Fordjour Antwi-Afari**

Department of Civil Engineering,  
College of Engineering and  
Physical Sciences, Aston  
University, Birmingham B4 7ET,  
UK

**Dr. Yantao Yu**

Department of Civil and  
Environmental Engineering, The  
Hong Kong University of Science  
and Technology, Clear Water Bay,  
Hong Kong 999077, China

**Dr. Waleed Umer**

Department of Architecture and  
Built Environment, Northumbria  
University, Newcastle upon Tyne  
NE1 8ST, UK

Deadline for manuscript  
submissions:

**closed (26 March 2023)**

### Message from the Guest Editors

Occupational health and safety (OHS) is one of the major concerns in the construction industry because of the increased number of fatal and non-fatal injuries among construction workers. It is widely known that these occupational injuries can lead to substantial disorders, project delays, increased project costs, workers' absenteeism, medical burden, and permanent disabilities. Given these adverse effects, there is a need to mitigate occupational injuries in construction by monitoring construction hazards and suggesting proactive injury-preventive measures. With the advancement of digital innovations and smart technologies, there is great potential for researchers and industry practitioners to improve occupational health and safety among construction workers.

The goal of this Special Issue is to publish technical, empirical, and review papers that make practical and theoretical contributions to the cutting-edge digital innovations and smart technologies with the latest research findings and practical interventions to enhance OHS in the construction industry.





an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Marc A. Rosen**

Faculty of Engineering and  
Applied Science, University of  
Ontario Institute of Technology,  
Oshawa, ON L1G 0C5, Canada

## Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

## Author Benefits

**Open Access:** free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

**High Visibility:** indexed within [Scopus](#), [SCIE](#) and [SSCI \(Web of Science\)](#), [GEOBASE](#), [GeoRef](#), [Inspec](#), [AGRIS](#), [RePEc](#), [CAPlus / SciFinder](#), and [other databases](#).

**Journal Rank:** JCR - Q2 (*Environmental Studies*) / CiteScore - Q1 (*Geography, Planning and Development*)

## Contact Us

*Sustainability* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/sustainability](http://mdpi.com/journal/sustainability)  
[sustainability@mdpi.com](mailto:sustainability@mdpi.com)  
[X@Sus\\_MDPI](https://twitter.com/Sus_MDPI)