

Special Issue

Advances in Ergonomics, Human Factors and Safety for Occupational Health

Message from the Guest Editors

Emerging concepts and technologies, such as human-robot collaboration (HRC), augmented and virtual reality (AR/VR), cyber-physical systems (CPS), the Internet of Things (IoT), and nanotechnology, will constitute future working systems. These provide more efficient, more flexible, and higher-quality products, but they also carry a reorganization of the work, with a potential negative impact on workers' health and safety. In parallel, the aging and eventual physical and cognitive limitations of the workers may aggravate occupational health problems (e.g., work-related musculoskeletal disorders), for which conventional workplaces and technologies are not always adequate. Therefore, it is crucial to create customizable human-centric workplaces fitting the workers' characteristics and their possible health limitations. Safety and human wellbeing are the main challenges in this context, still requiring deep research, mainly in occupational environments, to test and validate the implementation of these novel technologies.

Guest Editors

Dr. Paula Machado De Sousa Carneiro

ALGORITMI Centre, Production and Systems Department, School of Engineering, University of Minho, 4800 Guimarães, Portugal

Dr. Ana Sofia de Pinho Colim

1. ALGORITMI Centre, School of Engineering, Production and Systems Department, University of Minho, 4800 Guimarães, Portugal
2. DTx Digital Transformation Colab, 4800 Guimarães, Portugal

Deadline for manuscript submissions

closed (31 October 2024)



International Journal of Environmental Research and Public Health

an Open Access Journal
by MDPI

CiteScore 8.5
Indexed in PubMed



mdpi.com/si/157495

*International Journal of
Environmental Research and
Public Health*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ijerph@mdpi.com

mdpi.com/journal/

ijerph





International Journal of Environmental Research and Public Health

an Open Access Journal
by MDPI

CiteScore 8.5
Indexed in PubMed



[mdpi.com/journal/
ijerph](https://mdpi.com/journal/ijerph)



About the Journal

Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards.

IJERPH provides a forum for discussion of discoveries and knowledge in these multidisciplinary fields. Please consider publishing your research in this high quality peer-reviewed journal.

Editor-in-Chief

Prof. Dr. Paul B. Tchounwou
RCMI Center for Urban Health Disparities Research and Innovation,
Richard N. Dixon Research Center, Morgan State University, Baltimore,
MD 21251, USA

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, PubMed, MEDLINE, PMC, Embase, GEOBASE, CAPlus / SciFinder, and other databases.

Journal Rank:

CiteScore - Q1 (Public Health, Environmental and Occupational Health)