



## Advances in Ergonomics, Human Factors and Safety for Occupational Health

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Deadline for manuscript submissions:  
**closed (31 October 2024)**

### Message from the Guest Editors

Dear Colleagues,

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.





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## 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.

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