



**Keywords:** [REDACTED]

**Authors:** [REDACTED]

## Abstract

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(2024)  
Environmental Medicine

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## Discusses

occupational health and safety issues, such as ergonomics, chemical exposure, and mental health.

### Research and collaboration:

Global research in OEH is often interdisciplinary, involving epidemiologists, toxicologists, industrial engineers, and public health experts. Collaboration is crucial for addressing complex global health challenges like climate change impacts on health and the spread of non-communicable diseases.

### Education and practice:

Education in OEH is provided through various channels, including academic programs, professional organizations, and international conferences. Practice involves applying this knowledge to real-world scenarios, such as developing safe workplaces, managing chemical risks, and providing healthcare services in diverse cultural contexts.

Integration of traditional and modern medical practices is another key aspect of OEH. This involves understanding local health systems, incorporating traditional knowledge, and adapting modern medical technologies to meet specific cultural and environmental needs.

Collaboration between researchers, practitioners, and policymakers is essential for effective OEH. It facilitates the exchange of ideas, resources, and best practices across different regions and sectors. This collaborative approach is particularly important in addressing global health challenges that require coordinated international efforts.

### Challenges and opportunities:

One major challenge is the lack of standardized data collection and reporting, which hinders the ability to track trends and evaluate interventions. Another challenge is the need for more resources and funding to support OEH programs, especially in low- and medium-HDI countries.

Globalization and technological advancements provide opportunities for improving OEH. For example, telemedicine can facilitate access to healthcare services in remote or underserved areas. Additionally, the development of new technologies for monitoring and controlling environmental factors can help prevent health hazards.

### Global impact and health care:

The impact of OEH extends beyond individual health outcomes to broader societal and economic factors. Improved OEH can lead to better working conditions, reduced absenteeism, and increased productivity. It also contributes to sustainable development by promoting environmental stewardship and responsible resource management.