Special Issue

Human Performance in Extreme Environments

Message from the Guest Editor

Humans must perform in varied environmental conditions including high altitude, as well as high and low temperature. Several physiological, psychological, biological, molecular, and biomechanical systems are involved in the whole-body response to environmental stress. The myriad systems affected add to the complexity of responses and outcomes. Some researchers have worked to optimize the response in a more efficient manner, while others have worked to harness the stress to optimize other aspects of human health, performance, and recovery. This Special Issue of International Journal of Research and Public Health (IJERPH) will focus on how humans respond to both acute and chronic exposure to varied environmental conditions. Specifically, aspects of altitude or hypoxia. environmental heat and cold, hot/cold-water immersion, local heating or cooling of tissues, air quality, and other environmental stimuli that disrupt human function are invited. We expect that some submissions will be internally valid laboratory-based research, while others will be externally valid field-based research.

Guest Editor

Dr. Dustin Russel Slivka

School of Health and Kinesiology, University of Nebraska at Omaha, Omaha, NE 68182, USA

Deadline for manuscript submissions

closed (25 March 2023)



International Journal of Environmental Research and Public Health

an Open Access Journal by MDPI

CiteScore 8.5 Indexed in PubMed



mdpi.com/si/96011

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





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 R. Ward

Centre for Public Health, Equity and Human Flourishing, Torrens University Australia, Adelaide 5000, Australia

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)