



## Climate Change and Human Health: Impacts on the Physiological Responses of Vulnerable Populations

Guest Editors:

**Dr. Alex Buoite Stella**

Clinical Unit of Neurology,  
Department of Medicine, Surgery  
and Health Sciences, Cattinara  
University Hospital ASUGI,  
University of Trieste, Strada di  
Fiume, 447, 34149 Trieste, Italy

**Dr. Shawnda A. Morrison**

Centre for Climate Change and  
Active Children, Faculty of Sport,  
University of Ljubljana,  
Gortanova ulica 22, 1000  
Ljubljana, Slovenia

Deadline for manuscript  
submissions:

**closed (31 March 2023)**

### Message from the Guest Editors

Climate change represents one of the main challenges for the future generation of scientists, with the need for a multidisciplinary effort including life sciences and health researchers. Impaired thermoregulation, autonomic dysfunction and altered physiological responses might characterize some of these clinical populations, and understanding these factors might help to identify unsafe conditions and to develop mitigation and countermeasure strategies. This Special Issue aims to invite researchers to submit novel manuscripts about i) thermoregulatory mechanisms in vulnerable populations (including the youth, the elderly, and clinical populations), ii) physiological and health responses during conditions of thermal stress, iii) development of new scales and indexes to identify unsafe environmental conditions, and iv) evaluation of mitigation strategies and countermeasures to environmental stress (including buildings and urban green actions) on health.





an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Paul B. Tchounwou**

RCMI Center for Urban Health  
Disparities Research and  
Innovation, Richard Dixon  
Research Center, Morgan State  
University, 1700 E. Cold Spring  
Lane, Baltimore, MD 21251, USA

## Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Discovery and advances in this research field play a critical role in providing a scientific basis for 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, open access journal.

## 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, CAPus / SciFinder, and other databases.

**Journal Rank:** CiteScore - Q1 (Public Health, Environmental and Occupational Health)

## Contact Us

---

*International Journal of  
Environmental Research and Public  
Health* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/ijerph  
ijerph@mdpi.com  
X@IJERPH\_MDPI