



Sex- and Gender-Related Differences in Early-Life Environmental Exposures, Susceptibilities, and Mechanistic Insights into Diseases throughout Life

Guest Editors:

Dr. Hyunok Choi

College of Health, Lehigh
University, Bethlehem, PA 18015-
3001, USA

Prof. Dr. Aimin Chen

Department of Biostatistics
Epidemiology and Informatics,
University of Pennsylvania,
Philadelphia, PA 19104, USA

Deadline for manuscript
submissions:

closed (27 June 2023)

Message from the Guest Editors

The reasons underlying sex- and gender-related disparity across multiple diseases, including cancer, neurocognitive disorders, asthma, autoimmune illnesses, and cardiometabolic impairments, represent a gravely understudied topic. Nevertheless, a growing body of research suggests that both sex and gender influence exposures to and metabolism of environmental pollutants, divergent susceptibilities, and the associated vulnerability to certain diseases across the lifespan. To date, several limitations in methodologies, including the study design, target population, and overall interchangeable use of sex and gender, have hampered our improved understanding of their role.

Therefore, the goals of the present Special Issue include: 1) dissect the roles of sex- and gender-, as they relate to the environmental pollutant exposures; 2) deepen our understanding of how culturally driven behavior, roles, and identities relate to the person's exposures and metabolisms; 3) clarify how biological differences between men and women (i.e., sex) relate to underlying susceptibilities, disease course, and the mechanisms throughout life.





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, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/ijerph
ijerph@mdpi.com
[X@IJERPH_MDPI](https://twitter.com/IJERPH_MDPI)