

Special Issue

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

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.

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Deadline for manuscript submissions

closed (27 June 2023)



International Journal of Environmental Research and Public Health

an Open Access Journal
by MDPI

CiteScore 8.5
Indexed in PubMed



mdpi.com/si/93358

*International Journal of
Environmental Research and
Public Health*

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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

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