

Special Issue

The Neural Exposome Determinants of Health Across the Lifespan

Message from the Guest Editors

The concept of the exposome—the totality of environmental, social, and behavioral exposures across the lifespan—has emerged as a transformative framework in public health research. This Special Issue will aim to advance interdisciplinary scholarship on the neural exposome by integrating perspectives from environmental health, neuroscience, chemistry, rehabilitation sciences, epidemiology, and public health. We welcome original research articles, reviews, and methodological papers that examine environmental exposures and their mechanistic, behavioral, and clinical implications for overall or brain health. Topics of interest include—but are not limited to—chemical neurotoxicants, air and water pollution, occupational and social exposures, neurodevelopmental and neurodegenerative outcomes, biomarkers of exposure and effect, and exposure-informed interventions and policies. By bringing together diverse methodological approaches and populations across the lifespan, this Special Issue seeks to deepen understanding of environmental determinants of brain health and inform prevention, intervention, and policy strategies aimed at reducing neurological health disparities.

Guest Editors

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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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