

Special Issue

Human Exposure to Multiple Environmental Contaminants: From Chemical to Biological Studies

Message from the Guest Editors

Humans and the environment are exposed to a wide range of chemical combinations through air, food, consumer products, and other sources. The evaluation of levels of different classes of contaminants in food and environmental matrices, and the subsequent determination of exposure biomarkers in biological samples allow a thorough risk assessment of this exposure. A key question in the risk assessment of exposures to multiple chemicals is whether mixture effects may occur when chemicals are combined at low doses which individually do not induce observable effects. Because humans are exposed to hundreds, if not thousands, of chemicals the application of specific analytical methods for each of the chemical classes can be costly and time-consuming. Therefore, analytical methods capable of measuring a wide range of chemical classes and toxicological studies aiming to understand the underlying mechanisms of toxicity of chemical mixture are critically needed. This Special Issue is an interesting opportunity to stimulate the continuing efforts to understand human exposure to multiple organic and inorganic contaminants.

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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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