



## Molecular Tools in Environmental Risk Assessment: Time for Systems Ecotoxicology?

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### Message from the Guest Editor

Understanding how the networks of genes and the products of their expression are modulated by exposure is paramount to devise toxicological mechanisms and understand downstream pathophysiological effects. In this respect, “omics” and other state-of-the-art approaches are needed to build qualitative and, preferably, quantitative models. Herein, I call for the participation of fellow toxicologists, ecotoxicologists, and environmental toxicologists developing their research with the support of molecular tools, in vivo, in vitro, and even in silico for the purpose of ERA for any class of pollutants, from metals to nanomaterials and compounds of emerging concern or their mixtures. High-quality original research articles combining toxicokinetics and molecular toxicodynamics reaching out to a broad international audience, as well as review papers focusing on methods and future perspectives, are welcome.





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## 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.

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