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Metal Exposure and Health Risk Assessment

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Deadline for manuscript
submissions:
closed (31 October 2019)

Message from the Guest Editors

Dear Colleagues,

The aim of this Special Issue is to review metals' (including metalloids) toxicity, to identify and characterize hazards in order to protect human populations from the risks associated with exposure. Emphasis will be given to metals that alone, as part of complexes, or conjugated with molecules produce significant toxicity to humans. These include mercury, cadmium, arsenic, lead, and chromium, but also essential metals with potential for toxicity and metal-based therapeutic agents requiring a risk-benefit analysis.

Contributions, in the form of review, research papers and case studies, should be related to the following topics:

- Metals Toxicity (Neurotoxicity, Carcinogenicity, Immunotoxicity, etc.)
- Metals Fate in the Environment and Consequences for Toxicity
- The Chemical Mechanisms of Metal Toxicity
- Factors Impacting Metal Toxicity
- Biomarkers of Metal Exposure, Effect and Susceptibility
- Molecular Responses to Metal Exposure
- Metal-Binding Proteins and Metal Transporters
- Chelation and Treatment of Metals Intoxication

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Guest Editors



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Special Issue



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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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