



Emerging Issues in Metals Toxicology

Guest Editors:

Dr. Jose A. Centeno

Center for Chemical Sensors and
Chemical Imaging and Surface
Analysis Center, Department of
Chemistry, University of Puerto
Rico, Mayaguez, PR 00681, USA

Dr. Jacques Gardon

Hydrosciences Laboratory (IRD),
University of Montpellier, 34000
Montpellier, France

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Message from the Guest Editors

Metals (such as aluminum, chromium, copper, zinc), metalloids (such as arsenic), and metal alloys (a combination of metal elements) have been used in a wide range of industrial, commercial, medical, and consumer product applications. Additionally, concerns about exposures to toxic metals from natural geochemical sources such as soils, dust, and contaminated water have been the subject of numerous environmental, geochemical, and medical geology investigations, and many studies have been published describing the acute and/or chronic effects of high-level exposures to these types of agents and potential organ injury (e.g., cancer). Some of these studies have even raised concerns over the association of elevated metal ion levels with neurological and immune system events. Therefore, understanding the biological responses, toxicology, and environmental impact of metal ion exposure is of paramount importance in developing a comprehensive public health agenda.





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Editor-in-Chief

Prof. Dr. Paul R. Ward

School of Society and Culture,
Adelaide University, Adelaide
5001, Australia

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.

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Health* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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