

Special Issue

Heavy Metal Toxicity: Environmental and Human Health Risk Assessment: 3rd Edition

Message from the Guest Editor

Heavy metal toxicity has proven to be a major threat to human health, and there are several health risks associated with it. In fact, although metals occur naturally in the ecosystem, anthropogenic sources (i.e., pollution) contribute to their introduction into the environment. Toxic metals generally interfere with a number of physiological processes, including central nervous system (CNS), hematopoietic, hepatic, and renal functions, resulting in the development of numerous human disorders. Metal toxicity depends on several factors, including the dose, route of exposure, and chemical species, as well as the age, gender, genetics, and nutritional status of exposed individuals. Although numerous studies have attempted to elucidate the mechanisms implicated in their toxicity, further studies are still needed in order to improve pharmacological treatments. This Special Issue on “Heavy Metal Toxicity: Environmental and Human Health Risk Assessment: 3rd Edition” seeks to bring together the most recent research on such developments, with a focus on cellular and molecular alterations caused by exposure to heavy metals.

Guest Editor

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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