

Special Issue

Plant Responses to Heavy Metal Toxicity

Message from the Guest Editors

Our society relies on different technological processes that use a large amount of different metals. Some of them can be considered as heavy metals, and anthropogenic activities like agriculture, mining, industry and transportation can release them to the environment, having a negative impact on plants and animals. Some heavy metals are essential for life, usually in small amounts (Cu, Zn, Fe, etc), but can be toxic at high concentrations; meanwhile, others have no known biological function (e.g., Cd and Pb) and can thus be toxic even in small concentrations. This Special Issue welcomes studies regarding the effect of all types of heavy metals (including rare earth elements)—both essential and non-essential—in all kinds of plants, including research in relation to uptake, tolerance, defence mechanisms, toxicity effects and food chain contamination. In this Special Issue both original research articles and reviews related to the topics above are welcome.

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About the Journal

Message from the Editor-in-Chief

Toxics (ISSN 2305-6304) is an international, peer-reviewed, open access journal which provides an advanced forum for studies related to all aspects of toxic chemicals and materials. We aim to publish high quality work that furthers our understanding of the exposure, effects, and risks of chemicals and materials in humans and the natural environment as well as approaches to assess and/or manage the toxicological and ecotoxicological risks of chemicals and materials. Please consider publishing in *Toxics* when preparing your next paper.

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