## **Special Issue**

# Plant Responses to Heavy Metal

## Message from the Guest Editor

The effects of heavy metal stress on plant growth are mainly manifested in cellular structure alterations and changes in the uptake and translocation of other elements. Heavy metal ions in plants are absorbed into a plant by the roots and accumulate in different parts of the plant through metabolism, complexation. transportation and distribution. After heavy metals are absorbed by plants, selective distribution is shown in various cells, tissues and organs of the plants to alleviate the toxic effects of heavy metals. Plant responses to heavy metals include behavior, physiology and molecular mechanisms., and there are many regulations and control measurements which may vary these responses. Ecological restoration of soil includes physical, chemical, biological and phytoremediation technologies. Phytoremediation, in particular, is cheaper and ecologically friendlier based on the unique response of hyperaccumulators to heavy metal. This Special Issue is focused on the mechanism of plant responses to heavy metals and regulation measurements, including hyperaccumulators.

#### **Guest Editor**

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## Deadline for manuscript submissions

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## **Toxics**

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## 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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