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# **Phytotoxic Activity of Metal-Based Contaminants**

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Deadline for manuscript submissions: closed (30 June 2023)



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### **Message from the Guest Editors**

Dear Colleagues,

It is particularly important to understand the phytotoxic activity of metal contaminants as well as the mechanisms undertaken by plants to counteract their effects, in order to find new strategies for improving crops' resilience to metals and to develop new approaches for metal phytoremediation.

This Special Issue aims to provide a concentrated venue to publish timely and relevant research on the field of metal phytotoxicity, paying attention to the major targets of metals in crops, the physiological, metabolic, and molecular mechanisms activated by crops to respond to metal toxicity, and the tolerance mechanisms that metallophyte species exhibit.

Authors are invited to submit original research papers, reviews, and short communications.

Research areas may include (but are not limited to):

- Concentration of metals and metalloid contaminants in terrestrial environments;
- Uptake, accumulation, and effects in plants species, especially in plant metabolism;
- Metal phytotoxic activity in tolerant versus sensitive plants;
- Unveiling of the metal tolerance mechanisms in plants;
- Strategies for metal phytotoxicity mitigation;
- Phytoremedia ton strategi





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### **Editor-in-Chief**

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### Message from the Editor-in-Chief

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