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### **Plant Metal and Metalloid Homeostasis**

Guest Editors:

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Deadline for manuscript submissions:

closed (20 March 2023)

## **Message from the Guest Editors**

Plants' ionome includes metals and metalloids, some of which are essential for plants growth and development, while others are trace elements which may (or may not) be harmful. Understanding how plants uptake, distribute, accumulate, and regulate the levels of such elements in each organ, tissue, cell, and organelle is a challenge, and to date. little is known about this. Metals and metalloids can also be toxic when accumulated in excess, and some plants can be tolerant. However, our understanding of tolerance is also scarce. Moreover, there are several interactions in which accumulation of one metal can affect the concentration of others, demonstrating homeostasis of different metals and metalloids in an integrative way is key. In this Special Issue, we are interested receiving manuscripts focused in metal/metalloid toxicity/deficiency; transport, regulation distribution; physiological, biochemical, and molecular responses to metals/metalloids; plant biofortification interactions strategies: of metals/metalloids with each other, both in the soil and in the plant; discoveries in model and non-model species; and methods













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## **Editor-in-Chief**

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## Message from the Editor-in-Chief

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