



Phytotoxicity of Heavy Metals in Horticultural Plants and Security

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Message from the Guest Editors

Horticulture crops are very important in human nutrition and are an important source of nutrients like carbohydrates, proteins, organic acids, vitamins and mineral elements.

The current challenges, such as climate change, the growing world population and soil degradation, together with trends like the increase in urban agriculture, can lead to the use of marginal or contaminated lands and irrigation waters, to fulfil the growing needs of horticultural products.

It is thus necessary to evaluate how horticultural plants cope with contaminants like heavy metals, characterizing their acclimation mechanisms.

This Special Issue welcomes studies regarding the effect of different heavy metals in different horticultural crops, including research in relation to uptake, accumulation and tolerance capacity, oxidative stress and antioxidative response, induced defence mechanisms, toxicity effects and food chain contamination.





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Message from the Editor-in-Chief

Horticultural plants and their products provide sustenance, health, and beauty. A confluence of factors is putting increasing pressure on horticultural production to evolve, and innovative research is addressing these challenges. *Horticulturae* provides a venue to communicate research results in a rapid manner with open access, allowing everyone the opportunity to stay abreast of leading research addressing horticulture. I invite you to consider publishing the results of your research in this high quality, peer-reviewed journal.

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