

Special Issue

Selection and Breeding of Low Heavy Metal Accumulating Cultivars to Minimize Heavy Metal Accumulation

Message from the Guest Editor

Heavy metals are significant environmental contaminants in soils, posing a serious threat to food security and human health through the food chain. The selection and breeding of plant cultivars with low heavy metal accumulation has been considered as a cost-effective approach to ensure food safety in low- to medium-level contaminated soils. This Special Issue aims to provide a brief overview of breeding methodologies and strategies for low heavy metal-accumulating crops. We welcome reviews and research papers on the following topics: genetic variation in heavy metal accumulation among species and cultivars, identification of the functional genes and their allelic variations involved in heavy metal accumulation, development and application of the functional molecular markers for low heavy metal accumulation in crops.

Guest Editor

Dr. Zhenzhen Cao

China National Rice Research Institute, Hangzhou 310006, China

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closed (31 December 2024)



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Agronomy
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
agronomy@mdpi.com

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Message from the Editor-in-Chief

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Editor-in-Chief

Prof. Dr. Leslie A. Weston

Gulbali Centre for Agriculture, Water and Environment Research,
Charles Sturt University, Wagga Wagga, NSW 2678, Australia

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