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Germplasm Resources of Horticultural Crops and Their Use to Improve Abiotic Stress Tolerance

Guest Editors:

Message from the Guest Editors

Prof. Dr. Şumălan Radu-Liviu

Prof. Dr. Adriana F. Sestras

Prof. Dr. Monica Boscaiu

Deadline for manuscript submissions: closed (20 December 2022) Human society requires ever-increasing and diversified food resources, and climate change and unadapted technologies are creating huge pressures on horticultural ecosystems for food production. The germplasm of a horticultural species is an essential genetic resource for identifying and selecting valuable attributes of tolerance to abiotic stressors. In recent decades, the investigation techniques of the physiological processes involved in increasing the tolerance of plants to stressors have reached levels of performance that are difficult to imagine, and their association with methods of molecular biology, breeding or applied biochemistry, have led to the achievement of remarkable findings in horticultural species. Additionally, huge advances have been made in the use of artificial intelligence, integrated sensor systems, information, analysis and communication technologies for the induction, detection and monitoring of abiotic parameters that can act as stressors of plants, with a determination of the impact on metabolic processes of productivity and the quality of crops.









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Editor-in-Chief

Prof. Dr. Dilantha Fernando Department of Plant Science, University of Manitoba, Winnipeg, MB R3T 2N2. Canada

Message from the Editor-in-Chief

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Plants Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 www.mdpi.com mdpi.com/journal/plants plants@mdpi.com X@Plants_MDPl