

Special Issue

Overcoming Challenges for Preserving Plant Genetic Resources

Message from the Guest Editors

Plant genetic resources play a critical role in providing human populations with adequate, high-quality food, particularly as agricultural production faces new threats, diseases, and a changing climate. Both in situ and ex situ conservation efforts are necessary to preserve and protect current plant cultivars, landraces, and crop wild relatives for future generations. These conservation efforts require research that provides a greater understanding of biogeographical and phylogenetic relationships, genetic diversity, genebanking technologies, and plant breeding applications for thousands of plant species in the wild, botanic gardens, and in genebank/seedbank settings. To succeed, it will be necessary to use novel approaches across diverse disciplines to bring together expertise that will advance the science and improve outcomes.

Guest Editors

Dr. Gayle Volk

United States Department of Agriculture, Agricultural Research Service,
National Laboratory for Genetic Resources Preservation, Fort Collins,
CO 80521, USA

Dr. Wenlu Bi

Department of Plant Agriculture, Gosling Research Institute for Plant
Preservation, University of Guelph, Guelph, ON N1G 2W1, Canada

Deadline for manuscript submissions

closed (31 January 2023)



Agronomy

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Impact Factor 3.4
CiteScore 6.7



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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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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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