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Plant Genetic Resources and Breeding of Clonally Propagated Crops

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Message from the Guest Editors

Plant breeding has long been a major force in minimizing the impact of such challenges by creating new and improved cultivars. A well-characterized and diverse plant material is crucial for breeding programs as well as information on availability and inheritance of desirable genes. Presently, there is an unprecedented amount of plant genetic research, aiming to clarify gene action and control of various important traits. In addition, plant genetic resources (PGR) are usually available either as an integrated part of the breeding institutes or preserved by national authorities. For clonally propagated, mainly horticultural plant species, germplasm collections with landraces, modern cultivars, and crop wild relatives have been created using in situ and ex situ conservation methods. Careful evaluation of both phenotypic and genotypic traits of the PGR is essential for both research and breeding, as well as for development of effective management strategies.



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Message from the Editor-in-Chief

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