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Horticultural Crop Genetics and Improvement

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Message from the Guest Editors

Advances in horticultural crop genetics and breeding have paved the way for the development of new and improved varieties of most valuable horticultural species. Gene editing has been pioneered in horticultural crops including tomato, grapes, and citrus. However, for a number of other crops, especially horticultural tree species, traditional breeding and selection has been the driver of improved varietal development. Difficulties faced with these species include long juvenile phases and facultative outcrossing together with recalcitrance to tissue culture and transformation systems. Now with ongoing development of genomic resources and new innovations in gene-editing and tissue culture there is potential for improvements not only to orthodox horticultural crops, but to recalcitrant species.

The forthcoming Special Issue aims to provide an up-to-date overview of horticultural crop genomics, cutting-edge innovations in horticultural crop improvement, as well as new insights into the fundamental genetics and physiology of horticultural quality traits.



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Special Issue



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Message from the Editor-in-Chief

Genes are central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fastmoving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised.

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