



Developments in the Genetics and Breeding of Banana Species

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Message from the Guest Editors

Banana breeding aims to develop improved cultivars with resistance to major pathogens and pests, while maintaining agronomic performance and fruit quality; this may contribute to the sustainability of their production, by reducing the negative environmental impacts of industrial plantations. However, banana breeding is particularly complex, since cultivars need to be sterile to produce seedless edible fruits. The genome complexity of banana cultivars (interspecificity, polyploidy and high levels of genetic and structural heterozygosity), and the lack of knowledge on the genetics of the targeted traits, are further challenges posed to banana crossbreeding.

This Special Issue on “Developments in the Genetics and Breeding of Banana Species” will thus focus on scientific and technical advances in the field of banana’s conventional breeding, genetics and genomics; this will facilitate and accelerate the development of cultivars that meet the expectations of the markets, both today and in the future.





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Message from the Editor-in-Chief

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