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Recent Advances in Breeding, Genetics and Omics of Citrus

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Message from the Guest Editor

As a result of climate change, the global citrus industry faces increasing biotic and abiotic constraints, while consumers expect higher quality products and public policies in many countries call for more environmentally friendly farming practices. In this context, rootstock and scion breeding is an essential component in building the citrus industry of the 21st century. For a long time, citrus breeding was hampered by biological constraints, such as partial apomixis, self-incompatibility, the complex or unknown interspecific origins of most horticultural groups, as well as a lack of knowledge on the genetic determinants of useful traits. Today, new biological knowledge and recent developments in the fields of biotechnology and genomics have helped overcome many of these issues.

The aim of this Special Issue is to highlight recent advances in fundamental and applied research in the fields of citrus breeding, reproductive biology, genetics, genomics, and physiology, which contribute to tackling the challenges faced by the citrus industry.

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Message from the Editor-in-Chief

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