



Rootstocks: History, Physiology, Management and Breeding

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Message from the Guest Editors

Adverse environmental conditions, abiotic and biotic stresses, cause major losses in plant growth and crop yield and, consequently, threaten global food security. The impact is especially relevant in modern agriculture based on a limited number of rootstocks, so the appearance of a threat may compromise global food security. This is the case of the long-known citrus tristeza virus (CTV) or the recent expansion of HLB in citrus orchards. The search for new rootstocks which guarantee crop performance and maintain physicochemical quality is a major aim of the crop industry in many countries. New diseases, the spread of known ones, and plant culture under different environmental conditions force the demand for new rootstocks, which represents a crucial aim for breeding programmes in several countries.

This Issue attempts to provide an overview of the most recent studies on physiology, plant development, and management techniques achieved from rootstock breeding programmes. An in depth understanding of these aspects should shed light on the mechanisms for improving crops to overcome severe harmful conditions.





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Message from the Editor-in-Chief

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