

Special Issue

Recent Advances in Viticulture and Breeding of Grapevine

Message from the Guest Editors

The challenges in viticulture that are promoting the initiation of breeding programs are also coming together with new technologies and knowledge derived from the improvement of our comprehension of the genetic and epigenetic control of important agronomical and quality traits in grapevines. This knowledge is now rapidly growing thanks to holistic approaches based on omics and ecophysiological remote sensing. Please share your success stories from research in the innovation of viticulture techniques and grapevine breeding around the world in this special issue. Submissions are invited on (but not limited to) the following topics: (1) conventional breeding to obtain new varieties and rootstocks and viticultural practices for the colonization of new areas; (2) new genetic approaches (e.g., genome editing) to enhance resistance to biotic and abiotic stresses; (3) studies of vegetation phenology and stresses using next generation sensors; (4) cultivation techniques to manage grapevine berry development and ripening processes in changing climate conditions; and (5) impact of pest management on the biodiversity of vineyards.

Guest Editors

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