

## LIST OF CONTENTS

Foreword	x
Preface	xii
List of contents	xiii
List of authors	xvii

### **International Symposium on Nuts and Mediterranean Climate Fruits: Advances in Breeding and New Strategies of Horticultural Management for Sustainable Production**

Advanced molecular tools for breeding in Mediterranean fruit trees: genome editing approach of <i>Ficus carica</i> L. <i>M.A. Flaishman, R. Peer, A. Raz, O. Cohen, K. Izhaki, S. Bocobza, K. Lama, M. Pliner and A. Levy</i>	1
Evaluation of European hazelnut ( <i>Corylus avellana</i> ) genetic diversity using a genotyping-by-sequencing approach <i>J.J. Lombardoni, J.A. Honig, J. Vaiciunas, C. Kubik, J. Capik, S. Mehlenbacher and T.J. Molnar</i>	11
Linkage maps development and biotechnological tools for hazelnut and chestnut breeding <i>D. Torello Marinoni, N. Valentini, S. Nishio, E. Portis, A. Acquadro, A. Akkak, I. Gribaudo, A. Moglia, A. Balocco, A. Genre and R. Botta</i>	17
Molecular characterization of locally grown 'Melli' fig ( <i>Ficus carica</i> L.) clones, comparison with common cultivars <i>H. İkten, Y. Yılmaz, B. Yapıcı, A. Doğan, B. Ertan and M. Erkan</i>	23
Effects of different zinc dose applications on yield and some quality of olives grown at Southeastern Anatolia Region <i>S. Söylemez, H. Kara, N.D. Almaca, E. Sakar and B.E. Ak</i>	31
Effects of two phase olive mill pomace compost on the growth of olive saplings in Turkey <i>N. Varol, H. Karaman, E. Aydoğdu and K. Ekinci</i>	39
Possibility of evaluation of two phase olive mill pomace by composting in Turkey <i>N. Varol, H. Karaman, E. Aydoğdu, K. Ekinci, A. Coşkan and İ. Tosun</i>	47
Selection of late flowering genotypes within native almond ( <i>Prunus amygdalus</i> Batsch) populations in Gaziantep <i>A. Yılmaz and Y. Okay</i>	55
Selection of superior genotypes for nut characteristics within native almond ( <i>Prunus amygdalus</i> Batsch) populations <i>A. Yılmaz and Y. Okay</i>	63
The influence of abiotic conditions on the productivity of walnut <i>S. Khokhlov, V. Melnikov and E. Panyushkina</i>	71
The French walnut improvement program: preliminary investigations <i>A. Bernard, E. Dirlewanger and F. Lheureux</i>	77

Frost behaviour of Hungarian bred Persian walnut cultivars <i>K. Szügyi-Bartha, V. Hajnal, L. Szalay and G. Bujdosó</i>	85
Persian walnut breeding program at Naric Fruticulture Research Institute in Hungary <i>G. Bujdosó, F. Izsépi, K. Szügyi-Bartha, V. Varjas and P. Szentiványi</i>	89
Hazelnut cultivars establish well in both cool-temperate and semi-arid regions in Australia <i>J.E. Simpson, S.V. Gottschall and B.P. Holzapfel</i>	95
Efficiency of foliar applications of potassium sulphate on walnut production <i>M. Marchand</i>	103
Effects of different peeling techniques on aflatoxin levels in pistachios <i>A. Tekin, A. Sahan, I. Var, C. Bilim and K. Sarpkaya</i>	109
Sugars in 'Sarılop' fig fruits <i>G. Elmagülü, U. Aksoy and F. Şen</i>	115
Cutting propagation potentials of rejuvenated stock plants of <i>Arbutus unedo</i> L. genotypes <i>M. Sulusoglu Durul and İ. Efe</i>	123
<b>X International Symposium on Temperate Fruits in the Tropics and Subtropics</b>	
Cultural practices to overcome dormancy in temperate fruit trees in tropical and subtropical zones <i>G.A. Finetto</i>	129
Growing deciduous fruits, chilling and dormancy breaking research under low chill conditions <i>A.B. Küden</i>	145
Performances of low chill cherries under subtropical conditions <i>A. Küden, A.B. Küden, B. Imrak and B. Ceyhanlı</i>	155
The effects of two steady chilling temperatures on bud dormancy of two apple cultivars <i>G.A. Finetto</i>	161
Seasonal variation in fruit growth, quality attributes and antioxidant capacity of pomegranate during maturation <i>O.A. Fawole and U.L. Opara</i>	171
'UFV Arano', 'UFV Deno' and 'UFV Guato' – early ripening peach cultivars for mild climates <i>C.H. Bruckner, C.E.M. Santos, D.F.P. Silva and J.O.C. Silva</i>	179
Genes impinging on tolerance to seasonal abiotic stresses in peach <i>A. Lloret, M.L. Badenes and G. Ríos</i>	183
Molecular mechanisms in plant adaptability to climate change, peach as a model <i>M.L. Badenes, A. Lloret and G. Ríos</i>	189

Expressional analysis of <i>FT</i> and <i>CEN</i> genes in a continuously flowering highbush blueberry 'Blue Muffin' <i>M. Omori, H. Yamane, K.-T. Li, R. Matsuzaki, S. Ebihara, T.-S. Li and R. Tao</i>	197
Morphological, anatomical and physiological features of assimilation apparatus changes in <i>Prunus armeniaca</i> L. infected by <i>Plum pox virus</i> <i>V.A. Brailko, O.V. Mitrofanova, S.N. Chirkov, V.M. Gorina and I.V. Mitrofanova</i>	203
<i>Pestalotiopsis</i> spp. causing grapevine leaf spot and postharvest berry rot in southern Brazil <i>C.A.G. Piva, A. Bogo, B. Gomes, V. Milcheski, G.H.F. Klabunde, R.O. Nodari, F.N. da Silva and L.J. Welter</i>	209
Relationship among chemical defoliation, vegetative reproductive parameters and entomosporium leaf spot ( <i>Entomosporium mespili</i> ) of pear in southern Brazil <i>M.J. Gonçalves, A. Bogo, R.M.V. Sanhueza, R.T. Casa, L. Rufato, B.P. De Bem and F.N. da Silva</i>	217
Future chill risk assessment using chillR <i>E. Luedeling</i>	225
<b>International Symposium on Carob: a Neglected Species with Genetic Resources for Multifunctional Uses</b>	
Comparison of the agronomic and commercial characteristics of traditional carob cultivars and selected high kernel yield clones in Spain <i>J. Tous</i>	233
Characterization of the carbon assimilation of carob plantations in semi-arid conditions <i>A. Pérez-Pastor, J.P. Soares-Neto, J.M. de la Rosa, J. Tous and D.J. Iglesias</i>	241
Current situation of carob in Turkey <i>G. Guler and H. Gubbuk</i>	247
Tree and fruit characteristics of the selected carob genotypes in North Cyprus <i>S. Comlekcioglu, Y.R. Dikkaya, K. Baydar, B. Imrak, A. Sarier, A. Küden and A.B. Küden</i>	255
Investigation on carob ( <i>Ceratonia siliqua</i> L.) propagation by cutting <i>H. Gubbuk, S. Guler and R. Balkic</i>	263
Sugar content of selected carob fruits <i>Y.R. Dikkaya, K. Baydar, E. Kafkas, S. Comlekcioglu and A.B. Küden</i>	269