

CONTENTS

Moringa extract preserved the vase life of cut roses through maintaining water relations and enhancing antioxidant machinery F.A.S. Hassan (Saudi Arabia, Egypt), R. Mazrou (Egypt), A. Gaber and M.M. Hassan (Saudi Arabia, Egypt)	111156	Growth regulators on quality traits and volatile organic compounds profile of 'Royal Gala' apple at harvest and after dynamic controlled atmosphere storage R.d.O. Anese, F.R. Thewes, A. Brackmann, E.E. Schultz, R. Wagner, B. Klein, M.R.P. Berghetti and L.M. Wendt (Brazil)	111158
Finite element simulation of the micromechanical changes of the tissue and cells of potato response to impact test during storage by scanning electron microscopy S. Nikara, E. Ahmadi and A. Alavi Nia (Iran)	111153	Molecular and physiological analyses of the effects of red and blue LED light irradiation on postharvest senescence of pak choi Y. Song, K. Qiu, J. Gao and B. Kuai (China)	111155
Combining acetic acid and ethanol as an anti-browning treatment for lettuce butt discoloration through repression of the activity and expression of phenylalanine ammonia lyase S.-J. Huang, S.-Y. Lin, T.-T. Wang and F.-C. Hsu (Taiwan)	111151	The influence of ATP treatment on energy dissipation system in postharvest longan fruit during senescence M. Li, Q. Zheng, H. Lin (China), M. Lin (United States), Y. Chen, Y. Lin, Z. Fan and H. Wang (China)	111154
Genome and metabolites analysis reveal insights into control of foodborne pathogens in fresh-cut fruits by <i>Lactobacillus pentosus</i> MS031 isolated from Chinese Sichuan Paocai L. Yi (PR China, Hong Kong), T. Qi, J. Ma and K. Zeng (PR China)	111150	iTRAQ-based quantitative proteomic analysis of peach fruit ( <i>Prunus persica</i> L.) at different ripening and postharvest storage stages L. Jiang, R. Kang, L. Feng, Z. Yu and H. Luo (PR China)	111137
Melaleuca alternifolia oil can delay nutrient damage of grapes caused by aspergillus ochraceus through regulation of key genes and metabolites in metabolic pathways Q. Kong, J. Qi, P. An, R. Deng, J. Meng and X. Ren (China)	111152	Laser-light backscattering imaging approach in monitoring and classifying the quality changes of sweet potatoes under different storage conditions P.D.C. Sanchez (Malaysia, Philippines), N. Hashim, R. Shamsudin and M.Z.M. Nor (Malaysia)	111163
Potential of Vis-NIR spectroscopy for detection of chilling injury in kiwifruit Z. Wang, R. Künemeyer, A. McGlone and J. Burdon (New Zealand)	111160	Boosting antifungal effect of essential oils using combination approach as an efficient strategy to control postharvest spoilage and preserving the jujube fruit quality M. Nikkhah and M. Hashemi (Iran)	111159
Changes in the carotenoids profile of two yellow-fleshed kiwifruit cultivars during storage H. Xia, X. Wang, W. Su, L. Jiang, L. Lin, Q. Deng, J. Wang, H. Deng, R. Hu, M. Liao, X. Lv and D. Liang (China)	111162	Effect of enriched O <sub>2</sub> and CO <sub>2</sub> atmospheres on the overall quality and the bioactive potential of fresh blackberries F. Van de Velde, M.P. Méndez-Galarraga and M.É. Pirovani (Argentina)	111166
Role of fruit flesh cell morphology and MdPG1 allelotype in influencing juiciness and texture properties in apple L. Poles (Italy), A. Gentile (Italy, China), A. Giuffrida, L. Valentini, I. Endrizzi, E. Aprea, F. Gasperi, G. Distefano, G. Artioli, S. La Malfa, F. Costa, L. Lovatti and M. Di Guardo (Italy)	111161	Salicylic acid treatment suppresses <i>Phomopsis longanae</i> Chi-induced disease development of postharvest longan fruit by modulating membrane lipid metabolism Y. Chen, J. Sun, H. Lin (China), M. Lin (United States), Y. Lin, H. Wang (China) and Y.-C. Hung (United States)	111168
		A convergence of sunlight and cold chain: The influence of sun exposure on postharvest apple peel metabolism C.K. McTavish, B.C. Poirier, C.A. Torres, J.P. Mattheis and D.R. Rudell (USA)	111164

- Dynamic controlled atmosphere: Effects on the chemical composition of cuticular wax of 'Cripps Pink' apples after long-term storage  
 B. Klein, R.B. Falk, F.R. Thewes, R.d.O. Anese, I.D.d. Santos, S.R. Ribeiro, J.Z. Donadel, A. Brackmann, J.S. Barin, A.J. Cichoski and R. Wagner (Brazil) 111170
- Comparison of wound healing abilities of four major cultivars of potato tubers in China  
 X. Zheng, H. Jiang, Y. Bi, B. Wang, T. Wang, Y. Li, D. Gong, Y. Wei, Z. Li (PR China) and D. Prusky (PR China, Israel) 111167
- An innovative active cardboard box for bulk packaging of fresh bell pepper  
 L. Buendía-Moreno, S. Soto-Jover, M. Ros-Chumillas, V. Antolinos-López, L. Navarro-Segura, M.J. Sánchez-Martínez, G.B. Martínez-Hernández and A. López-Gómez (Spain) 111171
- Differences in the cell morphology and microfracture behaviour of tomato fruit (*Solanum lycopersicum* L.) tissues during ripening  
 Z. Liu, Z. Li, T. Yue (China), E. Diels (Belgium) and Y. Yang (China) 111182