

CONTENTS

*Cited in CAB Abstracts, Current Awareness in Biological Sciences (CABS), EMBiology,
Current Contents, A, B & ES and Food Science and Technology Abstracts (FSTA)*

<p>Contributions of Fourier-transform mid infrared (FT-MIR) spectroscopy to the study of fruit and vegetables: A review S. Bureau (France), D. Cozzolino (Australia) and C.J. Clark (New Zealand)</p>	<p>Stomatal response and human pathogen persistence in leafy greens under preharvest and postharvest environmental conditions D. Roy and M. Melotto (USA) 76</p>
<p>Effects of exogenous ascorbic acid and ferulic acid on the yellowing of fresh-cut Chinese water chestnut M. Song, S. Wu, L. Shuai, Z. Duan, Z. Chen, F. Shang (China) and F. Fang (China, Israel) 15</p>	<p>1 Filling gaps in our knowledge on the cuticle of mangoes (<i>Mangifera indica</i>) by analyzing six fruit cultivars: Architecture/structure, postharvest physiology and possible resistance to fruit fly (Tephritidae) attack C. Camacho-Vázquez, E. Ruiz-May, J.A. Guerrero-Analco, J.M. Elizalde-Contreras, E.J. Enciso-Ortiz, G. Rosas-Saito, L. López-Sánchez, A.L. Kiel-Martínez, I. Bonilla-Landa, J.L. Monribot-Villanueva, J.L. Olivares-Romero, P. Gutiérrez-Martínez, J.C. Tafolla-Arellano, M.E. Tiznado-Hernandez, F.R. Quiroz-Figueroa, A. Birke and M. Aluja (Mexico) 83</p>
<p>Efficacy of electrolyzed water, chlorine dioxide and photocatalysis for disinfection and removal of pesticide residues from stone fruit H. Calvo, D. Redondo, S. Remón, M.E. Venturini and E. Arias (Spain)</p>	<p>22 Influence of low temperature on physiology and bioactivity of postharvest <i>Dendrobium officinale</i> stems Z. Yu, Z. Yang (China), J.A. Teixeira da Silva (Japan), J. Luo and J. Duan (China) 97</p>
<p>Influence of postharvest water loss on apple quality: The use of a sensory panel to verify destructive and non-destructive instrumental measurements of texture F.R. Harker, J. Feng, J.W. Johnston, J. Gamble, M. Alavi, M. Hall and S.L. Chheang (New Zealand) 32</p>	<p>Changes in bacterial loads, gas composition, volatile organic compounds, and glucosinolates of fresh bagged Ready-To-Eat rocket under different shelf life treatment scenarios H.N. Yahya (Malaysia), S. Lignou, C. Wagstaff and L. Bell (UK) 107</p>
<p>Evaluation of biocontrol potential of epiphytic yeast against postharvest <i>Penicillium digitatum</i> rot of stored Kinnow fruit (<i>Citrus reticulata</i>) and their effect on its physiochemical properties Habiba, R. Noreen, S.A. Ali, K.A. Hasan, V. Sultana, J. Ara and S. Ehteshamul-Haque (Pakistan) 38</p>	<p>Integrated transcriptomic-metabolomic analysis reveals cellular responses of harvested strawberry fruit subjected to short-term exposure to high levels of carbon dioxide J. Bang, S. Lim, G. Yi, J.G. Lee and E.J. Lee (Republic of Korea) 120</p>
<p>Changes due to high oxygen and high carbon dioxide atmospheres on the general quality and the polyphenolic profile of strawberries F. Van de Velde, M.P. Méndez-Galarraga (Argentina), M.H. Grace (United States), C. Fenoglio (Argentina), M.A. Lila (United States) and M.É. Pirovani (Argentina) 49</p>	<p>Effect of lotus leaf extract incorporated composite coating on the postharvest quality of fresh goji (<i>Lycium barbarum</i> L.) fruit X.-J. Fan, B. Zhang, H. Yan, J.-T. Feng, Z.-Q. Ma and X. Zhang (China) 132</p>
<p>Chilling tolerance of Micro-Tom fruit involves changes in the primary metabolite levels and in the stress response C. Gonzalez, M.I. Zanor, M.D. Ré, S. Otaiza, R. Asis, E.M. Valle and S.B. Boggio (Argentina) 58</p>	<p>Influence of fruit stalk on reactive oxygen species metabolism and quality maintenance of peach fruit under chilling injury condition H. Li, Y. Fan, H. Zhi, Y. Zhu, Y. Liu and Y. Wang (PR China) 141</p>
<p>Increasing postharvest high-temperatures lead to increased volatile phenylpropanoids/benzenoids accumulation in cut rose (<i>Rosa hybrida</i>) flowers L. Zeng, X. Wang, F. Dong (China), N. Watanabe (Japan) and Z. Yang (China) 68</p>	

(Contents continued on Inside Back Cover)

Acoustic firmness measurement of differently shaped pears: Comparison of resonance indices with propagation indices H. Zhang, J. Wu and H. Ma (PR China)	151	Postharvest heat and CO ₂ shocks induce changes in cuticle composition and cuticle-related gene expression in 'October Sun' peach fruit B. Belge (Spain), L.F. Goulao (Portugal), E. Comabella, J. Graell and I. Lara (Spain)	200
Postharvest application of oxalic acid to preserve overall appearance and nutritional quality of fresh-cut green and purple asparagus during cold storage: a combined electrochemical and mass-spectrometry analysis approach A. Barberis, M. Cefola, B. Pace, E. Azara, Y. Spissu, P.A. Serra, A.F. Logrieco, G. D'hallewin and A. Fadda (Italy)	158	Improvement of postharvest quality, regulation of antioxidants capacity and softening enzymes activity of cold-stored carambola in response to polyamines application A. Ahmad and A. Ali (Malaysia)	208
Discrimination of fresh-cut broccoli freshness by volatiles using electronic nose and gas chromatography-mass spectrometry H.-z. Chen, M. Zhang and Z. Guo (China)	168	Combination of shape and X-ray inspection for apple internal quality control: <i>in silico</i> analysis of the methodology based on X-ray computed tomography M. van Dael, P. Verboven (Belgium), A. Zanella (Italy), J. Sijbers and B. Nicolai (Belgium)	218
Effects of ethylene and 1-MCP on quality maintenance of fresh cut celery J.F. Massolo, L. González Forte, A. Concellón, S.Z. Viña and A.R. Vicente (Argentina)	176	G6PDH regulated NADPH production and reactive oxygen species metabolism to enhance disease resistance against blue mold in apple fruit by acibenzolar-S-methyl M. Wei, Y. Ge, C. Li, X. Han, S. Qin, Y. Chen, Q. Tang and J. Li (PR China)	228
Exogenous melatonin ameliorates chilling injury in cut anthurium flowers during low temperature storage M.S. Aghdam, A. Jannatizadeh, M.S. Nojadeh and A. Ebrahimzadeh (Iran)	184	Discrimination of intact almonds according to their bitterness and prediction of amygdalin concentration by Fourier transform infrared spectroscopy V. Cortés, P. Talens, J.M. Barat and M.J. Lerma-García (Spain)	236
Postharvest light-emitting diode irradiation of sweet cherries (<i>Prunus avium</i> L.) promotes accumulation of anthocyanins D. Kokalj, E. Zlatič, B. Cigić and R. Vidrih (Slovenia)	192		