

CONTENTS

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

Editorial			
B. Nicolai (Belgium)			
Alteration of sugar and organic acid metabolism in postharvest granulation of Ponkan fruit revealed by transcriptome profiling			
S. Yao, Q. Cao, J. Xie, L. Deng and K. Zeng (China)	1	Effects of fungal chitosan nanoparticles as eco-friendly edible coatings on the quality of postharvest table grapes	
Calcium sulfate treatment enhances bioactive compounds and antioxidant capacity in broccoli sprouts during growth and storage			
L. Guo, Y. Zhu and F. Wang (People's Republic of China)	2	N.F. Castelo Branco Melo, B.L. de MendonçaSoares, K. Marques Diniz, C. Ferreira Leal, D. Canto, M.A.P. Flores, J. Henrique da Costa Tavares-Filho, A. Galembeck, T.L. Montenegro Stamford, T. Montenegro Stamford-Arnaud and T.C. Montenegro Stamford (Brazil)	56
Ethylene regulation of sugar metabolism in climacteric and non-climacteric plums			
M. Farcuh (USA), R.M. Rivero (Spain), A. Sadka (Israel) and E. Blumwald (USA)	12	Curvature-based pattern recognition for cultivar classification of Anthurium flowers	
Mechanisms employed by <i>Debaryomyces hansenii</i> in biological control of anthracnose disease on papaya fruit			
L.G. Hernandez-Montiel, E.D. Gutierrez-Perez, B. Murillo-Amador (Mexico), S. Vero (Uruguay), R.G. Chiquito-Contreras and G. Rincon-Enriquez (Mexico)	20	A. Soleimani Pour, G. Chegini, P. Zarafshan and J. Massah (Iran)	67
Melatonin limited ethylene production, softening and reduced physiology disorder in pear (<i>Pyrus communis</i> L.) fruit during senescence			
R. Zhai, J. Liu, F. Liu, Y. Zhao, L. Liu, C. Fang, H. Wang, X. Li, Z. Wang, F. Ma and L. Xu (China)	31	Effect of low temperature storage on energy and lipid metabolisms accompanying peel browning of 'Nanguo' pears during shelf life	
Effects of melatonin treatment on the postharvest quality of strawberry fruit			
C. Liu, H. Zheng, K. Sheng, W. Liu and L. Zheng (China)	38	J. Wang, Y. Jiang, G. Li, M. Lv, X. Zhou, Q. Zhou, W. Fu, L. Zhang, Y. Chen and S. Ji (PR China)	75
		Robustness improvement of NIR-based determination of soluble solids in apple fruit by local calibration	
	47	X. Luo, Z. Ye, H. Xu, D. Zhang, S. Bai and Y. Ying (PR China)	82
		Cold storage temperatures and durations affect the concentrations of lupeol, mangiferin, phenolic acids and other health-promoting compounds in the pulp and peel of ripe mango fruit	
		M.D.K. Vithana, Z. Singh and S.K. Johnson (Australia)	91

Effects of UV-C treatment on browning and the expression of polyphenol oxidase (PPO) genes in different tissues of <i>Agaricus bisporus</i> during cold storage J. Lei, B. Li, N. Zhang, R. Yan, W. Guan (China), C.S. Brennan (China, New Zealand), H. Gao and B. Peng (China)	99	Post-harvest UV-B radiation modulates metabolite profile in peach fruit M. Santin, L. Lucini, A. Castagna, G. Chiodelli (Italy), M.-T. Hauser (Austria) and A. Ranieri (Italy)	127
In vitro and in vivo effectiveness of phenolic compounds for the control of postharvest gray mold of table grapes D. Xu, Y. Deng, T. Han, L. Jiang, P. Xi, Q. Wang, Z. Jiang and L. Gao (China)	106	Postharvest losses of fruit and vegetables during retail and in consumers' homes: Quantifications, causes, and means of prevention R. Porat, A. Lichter (Israel), L.A. Terry (UK), R. Harker (New Zealand) and J. Buzby (USA)	135
Detection of fungal infections in strawberry fruit by VNIR/SWIR hyperspectral imaging A. Siedliska, P. Baranowski, M. Zubik, W. Mazurek and B. Sosnowska (Poland)	115		