

Horticultural & Science Biotechnology

Review

- 113 African nightshades: genetic, biochemical and metabolite diversity of an underutilised indigenous leafy vegetable and its potential for plant breeding
Regina Ronoh, Noella A. Ekhuya, Marcus Linde, Traud Winkelmann, Mary Abukutsa-Onyango, Fekadu Fufa Dinssa and Thomas Debener

Articles

- 122 Next generation sequencing reveals the potential functions of the genes involved in controlling several important commercial traits in peach (*Prunus persica* (L.) Batsch) fruits
Tao Feng, Xingxia Lu, Fahui Liang, Ai Li and Yu Lei
- 132 Temporal-spatial patterns of ABCDE model genes expressed in new flowers that emerge from the centres of existing flowers in Chinese cabbage
Ai Xia Gu, Chuan Meng, Yue Qi Chen, Shu Xin Xuan, Xiao Feng Li, Shuan Xia Luo, Yu Jing Zhao, Da Ling Feng, Wei Wei Zhang and Shu Xing Shen
- 142 Bamboo *NiR* gene is associated with regeneration capacity
Xiaomei Guo, Lifen Ji, Longfei Zhu, Liling Song, Shinan Liu, Qiaolu Zang and Xinchun Lin
- 150 Changes in chemical composition and structure of root cell wall of citrus rootstock seedlings in response to boron deficiency by FTIR spectroscopy
Xiaochang Dong, Xiaopei Lu, Xiuwen Wu, Guidong Liu, Lei Yan, Riaz Muhammad, Lishu Wu and Cuncang Jiang
- 159 Microencapsulation of clove essential oil improves its antifungal activity against *Penicillium digitatum* *in vitro* and green mould on Navel oranges
Yifei Wang, Wenyi Bian, Xiaoyun Ren, Xiaoqiu Song and Shoukui He
- 167 Regulation of abscisic acid biosynthesis and signal transduction during carrot growth and development
By Wei Huang, Guang-Long Wang, Sheng Sun, Guo-Ming Xing, Feng Wang, Zhi-Sheng Xu and Ai-Sheng Xiong
- 175 Nitric oxide in combination with indole-3-butyric acid improves root growth in 'Ferdor Julior' hardwood cuttings (*Prunus insistitia* (L.) × *Prunus domestica* (L.))
G. E. Gergoff Grozeff, M. De Los A. Romero and M. Aubone Videla
- 185 Evaluation of salinity tolerance in honeysuckle (*Lonicera japonica*) using growth, ion accumulation, lipid peroxidation, and non-enzymatic and enzymatic antioxidants system criteria
Shu-juan Cheng, Dong-qin Tang, William Bill Miller and Yi-min Shi
- 196 Assessing the influence of subcultures and liquid medium during somatic embryogenesis and plant regeneration in oil palm (*Elaeis guineensis* Jacq.)
T. R Monteiro, E. O Freitas, G. F Nogueira and J. E Scherwinski-Pereira
- 204 Silver nitrate and adenine sulphate induced high regeneration frequency in the recalcitrant plant *Cosmos bipinnatus* using cotyledon explants
Mahdi Jaberi, Pejman Azadi, Behzad Gharehyazi, Mahmood Khosrowchahli, Ali Sharafi, Nafiseh Aboofazeli and Hedayat Bagheri
- 209 Impact of climate change on the possible expansion of almond cultivation area pole-ward: a case study of Abruzzo, Italy
Bruno Di Lena, Daniela Farinelli, Alberto Palliotti, Stefano Poni, Theodore M. DeJong and Sergio Tombesi
- 216 Effects of long term irrigation with treated wastewater on leaf mineral element contents and oil quality in Olive cv. Chemlali
Saida Bedbabis and Giuseppe Ferrara