

Horticultural & Science Biotechnology

Review

- 137 Role of plant growth regulators in improving fruit set, quality and yield of fruit crops: a review
Harsimrat K. Bons and Manjot Kaur

Articles

- 147 A R2R3-MYB transcription factor VvMYBF1 from grapevine (*Vitis vinifera* L.) regulates flavonoids accumulation and abiotic stress tolerance in transgenic *Arabidopsis*
Jizhong Wang, Feibing Wang, Cong Jin, Yao Tong and Tian Wang
- 162 Molecular mapping of nuclear male-sterility gene *ms-1* in muskmelon (*Cucumis melo* L.)
Manpreet Singh, Sat Pal Sharma, Navraj Kaur Sarao, Simranjot Kaur and Parveen Chhuneja
- 169 Ectopic expression of *BoYAB1*, a member of *YABBY* gene family in *Bambusa oldhamii*, causes leaf curling and late flowering in *Arabidopsis thaliana*
Shinan Liu, Xiaofen Li, Hao Yang, Qixia Qian and Xinchun Lin
- 175 Effects of silver nanoparticles, chemical treatments and herbal essential oils on the vase life of cut alstroemeria (*Alstroemeria* 'Summer Sky') flowers
M. Ershad Langroudi, D. Hashemabadi, S. Kalateh Jari and L. Asadpour
- 183 Male flower induction significantly affects androgenesis in cucumber (*Cucumis sativus* L.)
Rasoul Amirian, Zohreh Hojati and Pejman Azadi
- 192 Evaluation of the selected sweet potato genotypes tolerance to sweet potato weevil (*Cylas puncticollis* Boheman)
L. A. Ochieng
- 203 Development of a genotyping method for onion (*Allium cepa* L.) male-fertility based on multiplex PCR
Bingjiang Liu, Yumeng Huo, Yanyan Yang, Limin Gao, Yahui Yang and Xiong Wu
- 211 Fruit production in *Balanites aegyptiaca* is highly variable across tropical arid zones of West Africa: implications for sustainability
Ouédraogo Sambo, Ouédraogo Oumarou, Thiombiano Adjima and Boussim Issaka Joseph
- 222 Small mesh nets protect tomato plants from insect pests and increase yields in eastern Africa
Thibault Nordey, Emilie Deletre, Nickson Mlowe and Thibaud Martin
- 229 Feasibility of omega bench grafting in guava tree (*Psidium guajava* L.) propagated via herbaceous stem cutting
Izabella Parkutz Casagrande, Gabriele da Silva Oliveira, Gustavo Wallace Pacheco Leite and Gustavo Henrique de Almeida Teixeira
- 235 Phosphates solubilization, indol-3-acetic acid and siderophores production by *Beauveria brongniartii* and its effect on growth and fruit quality of *Capsicum chinense*
Felipe A. Toscano-Verduzco, Pedro A. Cedeño-Valdivia, Wilberth Chan-Cupul, Hermina A. Hernández-Ortega, Esaú Ruiz-Sánchez, Edelmira Galindo-Velasco and Elia Cruz-Crespo
- 247 Jasmonic acid-induced metabolic responses in bitter melon (*Momordica charantia*) seedlings under salt stress
Saeed Alisoff, Alireza Einali and Mohammad Hossein Sangtarash
- 260 Postharvest quality improvements in mango cultivar Tommy Atkins by chitosan coating with *Mentha piperita* L. essential oil
Kataryne Áraabe Rimá de Oliveira, Maria Lúcia da Conceição, Sônia Paula Alexandrino de Oliveira, Marcos dos Santos Lima, Mércia de Sousa Galvão, Marta Suelly Madruga, Marciane Magnani and Evandro Leite de Souza