

## Review

- Anthocyanin Biosynthesis in Apple Fruit  
 .....C. Honda and S. Moriya 305

## Original Articles

- Comparative Mapping of the *ASTRINGENCY* Locus Controlling Fruit Astringency in Hexaploid Persimmon (*Diospyros kaki* Thunb.) with the Diploid *D. lotus* Reference Genome  
 .....S. Nishiyama, N. Onoue, A. Kono, A. Sato, K. Ushijima, H. Yamane, R. Tao and K. Yonemori 315
- Effects of Benzyladenine and Light on Post-harvest Calamondin (*x Citrofortunella microcarpa*) Fruit Color and Quality  
 .....Y. Kawai, T. Baba, M. Yoshida, J. U. Agravante and D. R. Del Carmen 324
- Shortening of the Juvenile Phase of the Southern Highbush Blueberry (*Vaccinium corymbosum* L. interspecific hybrid) Grown in Controlled Rooms under Artificial Light  
 .....M. Ohishi-Yamazaki, M. Watanabe, A. Nakanishi, J. Che, N. Horiuchi and I. Ogiwara 329
- Investigation and DNA Analysis of Local *Citrus* Genetic Resources Grown on the Chuuk Islands of Micronesia  
 .....M. Yamamoto, Y. Natori and K. Kawai 340
- Response of Nitrogen Metabolism in Pak-choi Plants Treated with Different Sodium Selenate (Na<sub>2</sub>SeO<sub>4</sub>) Concentrations  
 .....Y. Sung and S.W. Chen 349
- Enhancement of Food Functionality of a Local Pungent Radish "Izumo Orochi Daikon" 'Susanoo' by Introduction of a Colored Root Character  
 .....T. Masukawa, M. Kadowaki, T. Matsumoto, A. Nakatsuka, K.-S. Cheon, K. Kato, F. Tatsuzawa and N. Kobayashi 356
- Inoculation of Capsicums with *Pepper Yellow Leaf Curl Indonesia Virus* by Combining Agroinoculation and Grafting  
 .....S. Koeda, K. Homma, Y. Tanaka, D. Onizaki, E. Kesumawati, S. Zakaria and S. Kanzaki 364
- Differences in Blossom-end Rot Resistance in Tomato Cultivars is Associated with Total Ascorbate rather than Calcium Concentration in the Distal End Part of Fruits *per se*  
 .....M. Rached, B. Pierre, G. Yves, C. Matsukura, T. Ariizumi, H. Ezura and N. Fukuda 372
- Polyphenol Production in *Peucedanum japonicum* Thunb. varies with Soil Type and Growth Stage  
 .....R. Suwa, H. Tajima, S. Gima, N. Uehara, K. Watanabe, S. Yabuta, J. Tominaga and Y. Kawamitsu 382
- Production Traits of Garden Mums Subjected to Various Substrate Water Contents at a Commercial Production Farm  
 .....Y. H. Rhie, S. Kang, D. C. Kim and J. Kim 389
- Thermal Control Suitable for Increasing Petals in *Eustoma grandiflorum* (Raf.) Shinn.  
 .....K. Kawakatsu, T. Harada, A. Ushio, M. Dozono and N. Fukuta 395
- Temperature-dependent Flower Malformation in Carnations (*Dianthus caryophyllus* L.)  
 .....K. Yamane, K. Sumida, Y. Terui, N. Kojima, C. Burana and T. Kurokura 406
- Effect of Re-drying Seeds after Wet Treatment at 10°C on the Germination and Growth of *Eustoma grandiflorum* (Raf.) Shinn  
 .....K. Fukushima, S. Kajihara, S. Ishikura, N. Katsutani and T. Goto 413
- Characterization of Ripening-related Genes Involved in Ethylene-independent Low Temperature-modulated Ripening in 'Rainbow Red' Kiwifruit during Storage and On-vine  
 .....O. W. Mitalo W. O. Asiche, Y. Kasahara, Y. Tosa, W. O. Owino, E. G. Mworira, K. Ushijima, R. Nakano and Y. Kubo 421
- Opposite Accumulation Patterns of Two Glycoside Hydrolase Family 3  $\alpha$ -L-Arabinofuranosidase Proteins in Avocado Fruit during Ripening  
 .....Y. Kamiyoshihara, S. Mizuno, M. Azuma, F. Miyohashi, M. Yoshida, J. Matsuno, S. Takahashi, S. Abe, H. Shiba, K. Watanabe, H. Inoue and A. Tateishi 430
- Author Instructions ..... 436