

>> Research Reports**Cultivation Physiology**

- 331** Effects of Light Intensity and Relative Humidity on Photosynthesis, Growth and Graft-take of Grafted Cucumber Seedlings during Healing and Acclimatization
| Yoonah Jang, Eiji Goto, Yasuhiro Ishigami, Boheum Mun, and Changhoo Chun
- 339** Effects of Node Position, Number of Leaflets Left, and Light Intensity during Cutting Propagation on Rooting and Subsequent Growth of Domestic Roses
| Su Min Park, Eun Jeong Won, Yoo Gyeong Park, and Byoung Ryong Jeong
- 344** Electro Donation from Ascorbic Acid on Nitrite Assimilation in Spinach (*Spinacia oleracea* L.) Leaves under Dark Conditions
| Yang Ho Park and Beom Seok Seo
- 351** Control Growth of *Euphorbia pulcherrima* Willd. ex Klotzsch 'Sonora Jingle' and 'Sonora White' Using Ethephon
| Youping Sun, Lois Berg Stack, Donglin Zhang, and Zhanying Gu
- 357** Propagation, Nutrition Managements, and Controlled Flowering of *Correa 'Mannii'* as a Potted Plant
| Jong-Suk Lee and Mark S. Roh
- 369** Field Performance, Yield Components and Nitrogen Utilization Efficiency of Potato Plants Grown from Hydroponic Small Tubers
| Dong Chil Chang, On Sook Hur, Choun Soo Park, and Sung Yeul Kim
- 376** Growth and Physiological Responses of Chinese Cabbage and Radish to Long-term Exposure to Elevated Carbon Dioxide and Temperature
| Eun-Young Choi, Tae-Cheol Seo, Sang-Gyu Lee, Il-Hwan Cho, and James Stangoulis

Protected Horticulture

- 387** Successive Spraying efficacy of Acidic Electrolyzed Oxidizing Water and Alkalic Electrolyzed Reducing Water on Controlling Powdery Mildew Infection and Suppressing Visible Physiological Disorder on Cucumber Leaves
| Kazuhiro Fujiwara, Takuya Fujii, and Jong-Seok Park

- 393** Influence of Fertilizer Concentrations on the Performance of Seedling Grafts of Tomato Grown in Coir Based Root Media

| Jong Myung Choi, Chang Soo Kang, Joo Won Ahn, and Chiwon W. Lee

Postharvest Technology

- 402** Total Carotenoid, Anthocyanin, and Sugar Contents in Sliced or Whole Purple (cv. BetaSweet) and Orange Carrots during 4-week Cold Storage
| Eun Jin Lee, Kil Sun Yoo, and Bhimanagouda S. Patil
- 408** Calcinated Calcium and Mild Heat Treatment on Storage Quality and Microbial Populations of Fresh-cut Iceberg Lettuce
| Ji Gang Kim, Hataitip Nimitkeatkai, Ji Weon Choi, and Seung Ryong Cheong

Genetics and Breeding

- 413** Isolation and Characterization of Genes Expressed Differently in Mature Fruits of 'Redfield' and 'Green-sleeves' Apples
| Sang Eun Han, Hye Eun Lee, Seong Heo, Soon-Kee Sung, Woo Taek Kim, and Daeil Kim
- 422** Dominant Variance Has an Important Role in Downy Mildew Resistance in Cucumber
| Jamal-Ali Olfati, Habibollah Samizadeh, Gholam-Ali Peyvast, S. Akbar Khodaparast, and Babak Rabiei
- 427** Transcriptionally and Phylogenetically Analyzing the P Protein Gene of Glycine Decarboxylase for Understanding the Evolution of C₃-C₄ Species in Brassicaceae
| Chunyu Zhang, In-ae Park, Fangsen Xu, Maoteng Li, Yong Pyo Lim, and Jinling Meng

Others

- 435** Quality Characteristics of Purple Sweet Potato (*Ipomoea batatas*) Slices Dehydrated by the Addition of Maltodextrin
| Shu-Mei Wang, Dong-Jin Yu, and Kyung Bin Song