

## >> Research Reports

### Cultivation Physiology

- 343** Low Temperature during Seedling Stage Promotes Female Flower Determination but Not Yield of Chieh-qua  
| Shiwei Song, Hongxing Huang, Houcheng Liu, Guangwen Sun, and Riyuan Chen
- 349** Analysis of Agricultural Characteristics to Establish the Evaluation Protocol and Environmental Risk Assessment for Genetically Modified Hot Pepper Crops  
| Jin Pyo Oh and Kyu Hwan Chung
- 357** Effects of Elevated Carbon Dioxide and Temperature on Photosynthesis and Fruit Characteristics of 'Niiitaka' Pear (*Pyrus pyrifolia* Nakai)  
| Jeom-Haw Han, Jung Gun Cho, In-Chang Son, Seung Heui Kim, In-Bog Lee, In Myung Choi, and Daeil Kim

### Protected Horticulture

- 362** Impact of Sodium Nitroprusside on Nitrate Reductase, Proline Content, and Antioxidant System in Tomato under Salinity Stress  
| Shamsul Hayat, Sangeeta Yadav, Arif Shafi Wani, Mohammad Irfan, Mohammad Naseer Alyemini, and Aqil Ahmad
- 368** Growth Characteristics of Sowthistle (*Ixeris dentata* Nakai) under Different Levels of Light Intensity, Electrical Conductivity of Nutrient Solution, and Planting Density in a Plant Factory  
| Young Yeol Cho, Ki Young Choi, Yong-Beom Lee, and Jung Eek Son

### Postharvest Technology

- 373** Sucrose Metabolism and Physiological Changes during Mango cv. Irwin Growth and Development  
| Orathai Wongmetha, Lih-Shang Ke, and Yu-Shen Liang
- 378** Effects of Maturity and 1-MCP Treatment on Post-harvest Quality and Antioxidant Properties of 'Fuji' Apples during Long-Term Cold Storage  
| Xin-gang Lu, Yan-ping Ma, and Xing-hua Liu
- 387** Sensory and Microbiological Qualities of Romaine Lettuce and Kale Affected by a Combined Treatment of Aqueous Chlorine Dioxide and Ultraviolet-C  
| Ji Hye Lee, Ho Hyun Chun, Deog Hwan Oh, Jiyong Park, Misun Won, and Kyung Bin Song

## Genetics and Breeding

- 397** Inheritance of Downy Mildew Resistance at Different Developmental Stages in Chinese Cabbage via the Leaf Disk Test  
| Shengju Zhang, Shuancang Yu, Fenglan Zhang, Longting Si, Yangjun Yu, Xiuyun Zhao, Deshuang Zhang, and Weihong Wang
- 404** Inbreeding, Coancestry, and Founding Clones of Apple Cultivars Released from Korea  
| Kwang Min Son, Soon Il Kwon, and Cheol Choi

## Tissue Culture/Biotechnology

- 410** Microrhizome Induction in *Acorus calamus* Linn. - An Important Medicinal and Aromatic Plant  
| Ningthoujam Sandhyarani Devi, Rajkumar Kishor, and Gurumayum Jitendra Sharma
- 415** In Vitro Propagation of Myco-heterotrophic *Gastrodia elata*  
| Eung-Jun Park, Wi Young Lee, and Jin Kwon Ahn
- 421** A Profile of Expressed Sequence Tags in Newly Developing Leaves of *Aralia elata* Seem  
| Kyung Hwan Boo, Doseung Lee, Seong Beom Jin, Seong Cheol Kim, Jae Hoon Kim, Jin-Man Lee, Somi Kim Cho, Dong Sun Lee, and Key Zung Riu
- 428** Application of Optical Coherence Tomography to Detect *Cucumber green mottle mosaic virus* (CGMMV) Infected Cucumber Seed  
| Seung-Yeol Lee, Changho Lee, Jeehyun Kim, and Hee-Young Jung
- 434** Transient Erythropoietin Overexpression with Cucumber Mosaic Virus Suppressor 2b in *Nicotiana benthamiana*  
| Ki-Beom Moon, Jae-Heung Jeon, Woo-Sung Lee, and HyunSoon Kim