# CONTENTS

February 2014 | Vol. 55, No. 1 |

## >> Research Reports

## **Cultivation Physiology**

- 1 Growth and Fruit Production of Asian Pear Trees Grown on Y-, T-, and Vase-training Systems
  - I Jang-Jeon Choi, Mengmeng Gu, Jin-Ho Choi, Jeom-Hwa Han, Sun-Hee Yim, Yoon-Kyeong Kim, Seok-Kyu Jung, and Hyun-Sug Choi
- Pre-harvest Foliar Application of Iron Sulfate and Citric Acid Combined with Urea Fertigation Affects Growth and Vase Life of Tuberose (*Polianthes tuberosa* L.) 'Por-Par'
  - Behrouz Eidyan, Ebrahim Hadavi, and Noorollah Moalemi
- 14 Root-zone Cooling Affects Growth and Development of Paprika Transplants Grown in Rockwool Cubes
  - I Yurina Kwack, Dong Sub Kim, and Changhoo Chun
- 19 Seed Morphogenesis and Effect of Pretreatments on Seed Germination of Persian Shallot (*Allium hirtifolium* Boiss.), an Endangered Medicinal Plant
  - Raheleh Ebrahimi, Mohammadreza Hassandokht, Zabihollah Zamani, Abdolkarim Kashi, Isabel Roldan-Ruiz, and Erik Van Bockstaele

#### Protected Horticulture

- 27 Influence of Short-term Irradiation during Pre- and Post-grafting Period on the Graft-take Ratio and Quality of Tomato Seedlings
  - Ngoc-Thang Vu, Young-Shik Kim, Ho-Min Kang, and II-Seop Kim

## **Postharvest Technology**

- 36 Metabolic Alternation in the Accumulation of Free Amino Acids and  $\gamma$ -aminobutyric Acid in Postharvest Mature Green Tomatoes Following Irradiation with Blue Light
  - I Radhika Dhakal and Kwang-Hyun Baek

## Genetics and Breeding

- Transgene Instability Due to Promoter Hypermethylation and Deletion in Transgenic *Nicotiana benthamiana*Gi-Ho Lee, Eun-Young Park, and Young-Doo Park
- New Sources of Resistance to *Phytophthora capsici* in *Capsicum* spp.
  - I Hwangsung Mo, Soyoung Kim, Khin Pa Pa Wai, Muhammad Irfan Siddique, Heeju Yoo, and Byung-Soo Kim

### Tissue Culture/Biotechnology

- Adventitious Shoot Induction from Leaf Segments in Anthurium andreanum is Affected by Age of Explant, Leaf Orientation and Plant Growth Regulator
  - I Jean Carlos Cardoso and Gustavo Habermann