

CONTENTS

August 2016 | Vol. 57, No. 4 |

ISSN (print) : 2211-3452
ISSN (online) : 2211-3460

>> Review Article

311 In vitro Rooting of Leguminous Plants: Difficulties, Alternatives, and Strategies for Improvement

| Yaser Hassan Dewir, Hosakatte Niranjana Murthy, Megahed H. Ammar, Salem S. Alghamdi, Nasser A. Al-Suhaibani, Abdullah A. Alsadon, and Kee Yoeup Paek

>> Research Reports

Cultivation Physiology

323 Germination is Enhanced by Removal of the Funiculus in the Halophyte Glasswort (*Salicornia herbacea*)

| Seung Jae Lee, Huo-Jin Jeon, Jae-Hyeok Jeong, and Nam-Jin Chung

330 Impacts of Chilling on Photosynthesis and Chlorophyll Pigment Content in Juvenile Basil Cultivars

| Andrzej Kalisz, Aleš Jezdinský, Robert Pokluda, Agnieszka Sękara, Aneta Grabowska, and Joanna Gil

340 Effect of Far-Red Light, Temperature, and Plant Age on Morphological Changes and Induction of Flowering of a 'June-bearing' Strawberry

| Seyed Morteza Zahedi and Hassan Sarikhani

348 Selection of Rootstocks for Better Morphological Characters and Resistance to Low-Temperature Stress in the Sweet Pepper Cultivar 'Hongxing No. 2'

| Chang Shu, Rui Yang, Likun Yin, Xizhen Ai, Shaohui Wang, and Wenchao Zhao

355 Physiological and Morphological Responses to Boron Deficient Chinese Cabbage

| Eun-Young Choi, Youn-A Jeon, Ki-Young Choi, and James Stangoulis

364 The Influence of Elevated CO₂ on the Photosynthesis, Carbohydrate Status, and Plastochron of Young Peach (*Prunus persica*) Trees.

| Anna M. Davidson, David Da Silva, Sebastian Saa, Phillip Mann, and Theodore M. DeJong

371 Light Quality during Night Interruption Affects Morphogenesis and Flowering in *Petunia hybrida*, a Qualitative Long-Day Plant

| Yoo Gyeong Park, Sowbiya Muneer, Prabhakaran Soundararajan, Abinaya Manivnnan, Byoung Ryong Jeong

Postharvest Technology

378 Impact of Postharvest Hot Salicylic Acid Treatment on Aril Browning and Nutritional Quality in Fresh-Cut Pomegranate

| Afsaneh Yousefpour Dokhanieh, Morteza Soleimani Aghdam, and Mohammad Ali Askari Sarcheshmeh

Genetics and Breeding

385 Rapid and Practical Molecular Marker Development for Rind Traits in Watermelon

| Sung-woo Park, Ki-Taek Kim, Sun-Cheol Kang, and Hee-Bum Yang

392 Comparative Analysis of Individual Glucosinolates, Phytochemicals, and Antioxidant Activities in Broccoli Breeding Lines

| Jung Su Jo, Shiva Ram Bhandari, Gwan Ho Kang, and Jun Gu Lee

404 Genome-wide identification and comparative structural analysis of RuBisCo proteins in the Asteraceae

| Murat Kemal Avci, Erdem Tezcan, and Emre Sevindik