

>> Research Reports

Cultivation Physiology

- 297** Comparison of Root Anatomy and Xylem Vessel Structure in Rain-fed and Supplementary Irrigated 'Yaghooti-Syah Shiraz' Grapevine (*Vitis vinifera* L.)

| Homa Rajaei, Parisa Yazdanpanah, Marjan Dadbin, Ali Akbar Kamgar Haghighi, Ali Reza Sepaskhah, and Tahereh Eslamzadeh

Protected Horticulture

- 303** Effects of Air Temperature and Air Flow Rate Control on the Tipburn Occurrence of Leaf Lettuce in a Closed-type Plant Factory System

| Jun Gu Lee, Chang Sun Choi, Yoon Ah Jang, Suk Woo Jang, Sang Gyu Lee, and Yeong Cheol Um

Tissue Culture/Biotechnology

- 311** Silicon Promotes Shoot Proliferation and Shoot Growth of *Salvia splendens* under Salt Stress in Vitro

| Prabhakaran Soundararajan, Iyyakkannu Sivanesan, Eun Hye Jo, and Byoung Ryong Jeong

- 319** Antioxidative Enzyme Activity, Lipid Peroxidation, and Proline Accumulation in the Callus Tissues of Salt and Drought Tolerant and Sensitive Pumpkin Genotypes under Chilling Stress

| Sebnem Kusvuran, Sebnem Ellialtioglu, and Zehra Polat

Others

- 326** Antibacterial Activity and Protective Effect against Gastric Cancer by *Anthriscus sylvestris* Fractions

| Eun Ju Cho, Ji Myung Choi, Hye Min Kim, Kyung Choi, Jajung Ku, Kwang-Woo Park, Jongkee Kim, and Sanghyun Lee

- 331** Copper and Bacterial Diversity in Soil Enhance Paeonol Accumulation in Cortex Moutan of *Paeonia suffruticosa* 'Fengdan'

| Yanli Liu, Yan Xia, Pan Guo, Guiping Wang, Zhenguo Shen, Yingchun Xu, and Yahua Chen

- 338** Isolation of Antibacterial Compounds from Hairy Vetch (*Vicia villosa*) against Grapevine Crown Gall Pathogen

| Md. Tariqul Islam, Soon-Young Ahn, Soo Muk Cho, and Hae Keun Yun

- 346** Correlations among Disease Severity, Firmness, Minerals, and Cell Wall Composition in Radish (*Raphanus sativus* L.) and Baemoochae (*×Brassicoraphanus*) Roots in Relation to Tissue Maceration by *Pectobacterium carotovorum*

| Atchara Chatkaew and Jongkee Kim

- 357** Quantitative Effects of Various Tree Species on Tuber Growth and Pharmacological Compositions of *Gastrodia elata*

| Eung-Jun Park and Wi Young Lee

- 364** Effect of Calcium and Silicate Application on Pathogenicity of *Erwinia carotovora* subsp. *carotovora* in *Zantedeschia* spp.

| Hae Ryong Cho, Hyang Young Joung, Ki-Byung Lim, and Ki Sun Kim