

CONTENTS

Sayed Abdolhossein Mohammadi Jahromi, Abdolhossein Aboutalebi Jahromi, Vahid Abdossi, AliReza Talaei

Creating optimal nutrient conditions in soil and plants during the flower induction process of sweet lime (*Citrus limettoides*) under calcareous soil conditions to increase the yield 3

Hatice Bilir Ekbic, Emre Yaman, Damla Bender Özenç, Ercan Ekbic

Effects of hazelnut husk compost and tea residue compost on quality and performance of 5 BB American grapevine rootstock saplings 15

Monika Figiel-Kroczyńska, Marcelina Krupa-Małkiewicz, Ireneusz Ochmian

Effect of Actisil (Hydroplus™), organic supplements, and pH of the medium on the micropropagation *Vaccinium corymbosum* 25

Sanem Bulam, Mertcan Karadeniz, Temel Kan Bakir, Sabri Ünal

Assessment of total phenolic, total flavonoid, metal contents and antioxidant activities of *Trametes versicolor* and *Laetiporus sulphureus* 39

Biserka M. Milić, Jasna S. Mastilović, Žarko S. Kevrešan, Renata M. Kovač, Aleksandra R. Bajić, Zoran Ž. Keserović, Nenad P. Magazin, Maja Đ. Milović, Jelena D. Kalajdžić, Gordana N. Barać

Consequences of NAA, BA and GA3 treatment in early fruit development phase on postharvest properties of apricot cv. NS4 49

Mateusz Frąc, Lidia Sas-Paszt, Mirosław Sitarek

Influence of biochar on the vegetative and generative growth of 'Meredith' peach trees 61

Andrzej Borowy, Magdalena Kaplan

Evaluating glufosinate-ammonium and flame weeding for weed control in sweet marjoram (*Origanum majorana* L.) cultivation 71

Bożena Cwalina-Ambroziak, Jadwiga Wierzbowska, Bożena Bogucka

The effect of nitrogen fertilization on yield and macronutrient concentrations in root chicory (*Cichorium intybus* L. var. *Sativus* Bisch) and the health status of plants 85

Barbara Skwarylo-Bednarz, Agnieszka Jamiolkowska, Marek Kopacki, Elżbieta Patkowska, Katarzyna Golan, Patrycja Krasowska, Hanna Klikocka

Assessment of catalase soil activity under amaranth cultivation not exposed to chemical protection methods 101

Mehrasa Anvari, Davood Hashemabadi, Leila Asadpour, Behzad Kaviani

Effect of blue light and nanosilver on vase life, antioxidant enzymes and some other physiologic parameters of *Alstroemeria* 'Napoli' cut flowers 111

Zeinab Barzegar, Mahmood Ghasemnezhad, Jamalali Olfati, Mohammad-Reza Khaledian, Ahmad Khalighi	
The influence of silica upon quantitative, qualitative, and biochemical traits of tomato under water stress	123
Andrzej Woźniak	
Seed yield and weed infestation of pea (<i>Pisum sativum</i> L.) and soil properties in the systems of conventional and conservation agriculture	139
Andrzej Skwiercz, Tatyana Stefanovska, Miloslav Zouhar, Valentina Pidlisnyuk, Łukasz Flis	
First report of the <i>Rotylenchus agnetis</i> Szczygieł, 1968, <i>Rotylenchus pumilus</i> Perry, 1959 and <i>Paratylenchus nanus</i> Cobb, 1923 associated with <i>Misanthus × giganteus</i> J. M. Greef & Deuter ex Hodk. & Renvoize in Ukraine	153
Sadiye Peral Eyduran, Melekse Akin, Sezai Ercisli, Emrah Zeybekoglu	
Morphological and biochemical diversity in <i>Rosa</i> species	163