

## CONTENTS

<b>Dursun Kisa, Lokman Öztürk, Necdetin Sağlam, Ömer Kayir, Mahfuz Elmastaş, Serhat Döker</b> Fatty acids and physiological responses of corn leaves exposed to heavy metals .....	3
<b>Saied Kamel Mohamed Abd El-Naby, Abdel Monem Ahmed Mohamed Esmail, Mohamed Hemdan Mohamed Baiea, Osama Abd El-Fattah Amin, Amr Abdelkhalek Ahmed Mohamed</b> Mitigation of heat stress effects by using shade net on Washington navel orange trees grown in Al-Nubaria region, Egypt .....	15
<b>Ayşegül Çolak Ateş, Hakan Fidan, Bahar Gökhan</b> Molecular characterization of <i>Tomato yellow leaf curl virus</i> and <i>Fusarium oxysporum</i> formae speciales and races of tomato areas in Northern Cyprus .....	25
<b>Dragana R. Stamenov, Timea I. Hajnal-Jafari, Biljana Najvirt, Snežana Andelković, Jelena Tomić, Simonida S. Đurić</b> A comparative analysis of plant growth-promoting traits of <i>Pseudomonas</i> and <i>Bacillus</i> strains isolated from <i>Lolium perenne</i> rhizospheric soil in Vojvodina (Serbia) and their effect on the plant yield .....	37
<b>Agnieszka Szopa, Marta Klimek-Szczykutowicz, Karolina Jafernik, Katarzyna Koc, Halina Ekiert</b> Pot marigold ( <i>Calendula officinalis</i> L.) – a position in classical phytotherapy and newly documented activities .....	47
<b>Euba Ďurišová, Tünde Juríková, Pavol Eliáš Jr, Jiří Mlček</b> Reproductive biology of two edible honeysuckles [ <i>Lonicera edulis</i> Turcz. ex Freyn., <i>Lonicera kamtchatica</i> (Sevast.) Pojark.] in the conditions of southwestern Slovakia .....	63
<b>Piotr Siwek, Iwona Domagała-Świątkiewicz, Andrzej Kalisz, Piotr Bucki</b> Microclimatic conditions and physico-chemical properties of soil in intensive ecological vegetable crop rotation in high tunnel .....	73
<b>Musa Seymen, Atilla Dursun, Duran Yavuz, Ertan Sait Kurtar, Aynur Özbahçe, Önder Türkmen</b> Evaluation of seed yield, oil and mineral contents inbred pumpkin lines ( <i>Cucurbita pepo</i> L.) under water stress .....	89
<b>Ertan Yildirim, Büsra Cil, Melek Ekinci, Metin Turan, Atilla Dursun, Adem Gunes, Raziye Kul, Nurgul Kıtır</b> Effects of intercropping system and nitrogen fertilization on land equivalent ratio, yield and mineral content of broccoli .....	101
<b>Yan-Fang Zhu, Hong-Hong Fan, Da-Hui Li, Qing Jin, Chuan-Ming Zhang, Li-Qin Zhu, Cheng Song, Yong-Ping Cai, Yi Lin</b> Molecular cloning, bioinformation analysis and expression of the strictosidine synthase in <i>Dendrobium officinale</i> .....	111

<b>Nadezhda Petkova, Ivan Ivanov, Dasha Mihaylova, Anna Lante</b> Effect of pressure liquid extraction and ultrasonic irradiation frequency on inulin, phenolic content and antioxidant activity in burdock ( <i>Arctium lappa</i> L.) roots .....	125
<b>Majid Golmohammadi, Omid Sofalian, Mehdi Taheri, Alireza Ghanbari, Valiollah Rasoli</b> Changes in fruit yield and photosynthesis parameters in different olive cultivars ( <i>Olea europaea</i> L.) under contrasting water regimes .....	135
<b>Gustavo E. González-Terán, Fernando C. Gómez-Merino, Libia I. Trejo-Téllez</b> Effects of silicon and calcium application on growth, yield and fruit quality parameters of cucumber established in a sodic soil .....	149
<b>Peter Ferus, Dominika Bošiaková, Jana Konôpková, Peter Hořka</b> Diverse strategies of rhododendron ( <i>Rhododendron</i> sp.) genotypes in the water shortage management .....	159
<b>Homa Mirshahi, Nafiseh Mahdinezhad, Mahmoud Soloki, Leili Samiei</b> Effect of plant growth adjuvants on direct regeneration of Mohammadi flower ( <i>Rosa damascena</i> Mill.) using thin cell layering technique .....	167
<b>Ayşegül Çolak Ateş, Nihat Yilmaz</b> Molecular marker assisted selection for <i>Phytophthora capsici</i> Leon. resistance lines in pepper ( <i>Capsicum annuum</i> L.) .....	179