## CONTENTS

Malvina Chitilova, Nilgün Candan Yücel	
Does fish flour and calcium improve mentha development, enzyme activities and phenolic compounds under	
high salinity	3
Mohammed Ali Abood, Aziz Mahdi Abd Al-Shammari, Ghassan Jaafar Hamdi Foliar application of Tecamin max <sup>®</sup> to alleviate water deficit effects on yield and water-use efficiency (WUE) of Okra	15
Matam Pradeep, Nandini Prasad Shetty, Parvatam Giridhar HPLC and ESI-MS analysis of vanillin analogue 2-hydroxy-4-methoxy benzaldehyde in swallow root – the influence of habitat heterogeneity on antioxidant potential	21
Fardin Ghanbari, Sajad Kordi Hardening pretreatment by drought and low temperature enhanced chilling stress tolerance of cucumber seedlings	29
Wojciech Durlak, Barbara Marcinek, Mariusz Szmagara, Margot Dudkiewicz,	
Aleksandra Konopińska-Mamej Effect of selected preparations on some biometric features of 'Tardiva' panicled hydrangea ( <i>Hydrangea</i> <i>paniculata</i> Siebold) depending on the irrigation frequency	39
Radosław Kowalski, Grażyna Kowalska, Monika Jankowska, Agnieszka Nawrocka, Klaudia Kałwa, Urszula Pankiewicz, Marzena Włodarczyk-Stasiak	50
Secretory structures and essential oil composition of selected industrial species of Lamiaceae	53
Syed Tanveer Shah, Muhammad Sajid, Naqib Ullah Khan, Abdur Rab, Noor Ul Amin, Muhammad Arif, Bibi Haleema, Sana Saeed	
Peach antioxidant and phenolic activities influenced by the application of 1-methylcyclopropene (1-MCP) at post-harvest	71
Mansoure Hatamian, Abdolhossein Rezaei Nejad, Mohsen Kafi, Mohammad Kazem Souri, Karim Shahbazi	
Growth characteristics of ornamental Judas tree ( <i>Cercis siliquastrum</i> L.) seedlings under different concentrations of lead and cadmium in irrigation water	87
Kazim Gündüz, Fırat Ege Karaat, Fulya Uzunoğlu, Kazım Mavi Influences of pre-sowing treatments on the germination and emergence of different mulberry species seeds	97
<b>Fatemeh Nejatzadeh-Barandozi</b> Investigation of super absorbent polymers and zinc sulfate on the yield and yield components of <i>Calendula officinalis</i> L	105
Abdollah Ghasemi Pirbalouti Phytochemical and bioactivity diversity in the extracts from bulbs and leaves of different populations of <i>Allium jesdianum</i> , a valuable underutilized vegetable	115
<b>Farzad Nazari</b> Propagation of endemic and endangered <i>Sternbergia lutea</i> with a high ornamental value by bulb chipping and plant growth regulators	123

Šebek T. Gordana	
The phenological and pomological traits of selected genotypes of wild pear [Pyrus pyraster (L.) Du Roi]	
important for the production of generative rootstocks	133
Burhan Ozturk, Kenan Yıldız, Halil Erdem, Orhan Karakaya, Ahmet Ozturk, Erdal Aglar	
Aminoethoxyvinylglycine and foliar zinc treatments play a key role in pre-harvest drops and fruit quality	
attributes of 'William's Pride' apple	147
Mehdi Oraei, Gholamreza Gohari, Sima Panahirad, Elnaz Zareei, Fariborz Zaare-Nahandi	
Effect of salicylic acid foliar application on Vitis vinifera L. cv. 'Sultana' under salinity stress	159
Xue-mei Wu, Zhi-tian Zuo, Qing-zhi Zhang, Yuan-zhong Wang	
Effect of provenance and water stress on biomass and polyphyllin content in the medicinal plant	
Paris polyphylla Smith var. yunnanensis	171
Elżbieta Mielniczuk, Małgorzata Cegielko	
Fungi occurred on marigold (Tagetes L.) and harmfulness of Fusarium species to selected cultivars	193
Iwona Szot, Tomasz Lipa	
Apple trees yielding and fruit quality depending on the crop load, branch type and position in the crown	205
Małgorzata Głosek-Sobieraj, Bożena Cwalina-Ambroziak, Agnieszka Waśkiewicz, Kamil Kubiaczyk	
The impact of Trifender WP on the content of chlorogenic acids in potato plants infected by Phytophthora	
infestans (Mont.) de Bary	217
Nafiye Adak	
Effect of different K <sup>+</sup> /Ca <sup>2+</sup> ratios on yield, quality and physiological disorder in soilless strawberry	
cultivation	229
Agnieszka Hanaka, Renata Nurzyńska-Wierdak	
Methyl jasmonate – a multifunctional molecule throughout the whole plant life	237
Iwona Szot, Paweł Szot, Tomasz Lipa, Bożena Sosnowska, Bohdan Dobrzański	
Determination of physical and chemical properties of cornelian cherry (Cornus mas L.) fruits depending	
on degree of ripening and ecotypes	251