

CONTENTS

Dorota Gawęda, Sylwia Andruszczak, Jan Buczek Impact of organic and conventional cultivation on seed quality of two soya bean varieties sown at different row spacings	7
Barbara Prokopiuk, Anna Kapczyńska, Bożena Pawłowska Establishing <i>in vitro</i> cultures of <i>Pennisetum</i> ‘Vertigo®’ and its shoot multiplication under different LED light quality	19
Hamideh Bagheri, Davood Hashemabadi, Bahman Pasban Eslam, Shahram Sedaghatthoor Effects of zinc-nano oxide, salicylic acid, and sodium nitroprusside on physiological properties, antioxidant enzyme activities, and secondary metabolites of <i>Viola odorata</i> under drought stress	29
Ali Mohammadi Kharkeshi, Elyas Rahimi Petroudi, Fazl Shirdel Shahmiri, Hamidreza Mobasser, Alireza Daneshmand Variations of yield, biochemical and antioxidative responses in sesame with silicon and cytokinin treatments under drought stress.....	43
Zahra Ebrahimi, Esfandiar Fateh, Mohammad Mahmoodi Soorestani, Mansour Ghorbanpour Inoculating mycorrhiza fungi and growth-promoting bacteria and mulch of plant residues improve yield and essential oil production of anise (<i>Pimpinella anisum</i> L.).....	55
Tuğba Gürkök Tan, Mine Türктаş, Gülşen Güçlü <i>In silico</i> comparative transcriptome analysis of <i>Papaver somniferum</i> cultivars	69
Peiyan Wang, Lanting Qi, Junna Song, Ruojaia Zhu, Xiaowei Han, Yu Liu, Xianyun Wang, Yuguang Zheng, Yuping Yan, Zhao Liu Functional characterization of <i>ZJPYL8</i> from sour jujube: enhancing the sensitivity of stomata and roots to ABA in <i>Arabidopsis thaliana</i>	79
Magdalena Dyduch-Siemińska, Wiktoria Błaszczuk, Jacek Gawroński Influence of medium type and culture method on the multiplication efficiency of <i>Chlorophytum comosum</i> (Thunb.) Jacques in <i>in vitro</i> conditions	91
Bitā Sadeghi, Vahid Abdossi, Vahid Zarrinnia, Nader Hasanzadeh Evaluation of the effect of biological elicitors on the resistance to salinity stress in the date palm (<i>Phoenix dactylifera</i> L., cv. Stameran).....	103
Iwona Domagała-Świątkiewicz, Piotr Siwek, Paulina Lalewicz Short-term effects of brassica cover crops on soil quality indicators in organic production in high tunnels.....	115