

CONTENTS

D. Sivojienė, A. Kačergius. Changes in soil microbial community structure after fertilisation with organic fertilisers and biological additives	291
H. Khan, A. Khan, S. Khan, A. Anjum, H. Akbar, D. Muhammad. Quantifying maize phenology using beneficial microorganisms and residue management under deep tillage system	301
A. Kännaste, I. Zekker, T. Tosens, L. Kübarsepp, E. Runno-Paurson, Ü. Niinemets. Productivity of the warm-climate crop sweet potato (<i>Ipomoea batatas</i> L.) in northern latitudes	311
L. Prysiachniuk, T. Sonets, Y. Shytikova, S. Melnyk, I. Dikhtiar, K. Mazuha, B. Sorochinsky. The environmental and genetic factors affect the productivity and quality of potato cultivars	319
Skrabule, L. Rābante-Hāne, I. Dimante, I. Taškova, S. Sviatchenko. The effect of nitrogen use efficiency on significant traits of potato starch production	329
N. Burbulis, J. Deveikytė, A. Baltušnikienė, A. Blinstrubienė. Effect of phenylalanine and tryptophane on chlorophyll and phenolic content, and the antioxidant activity of sweet basil (<i>Ocimum basilicum</i> L.) under drought conditions	339
R. Salehi Molkabadi, M. Alian, G. Bonito, K. Ghasemi, M. Mirtalebi, F. Raouf-Fard, A. Ramezani. Ameliorative effects of plant growth-promoting rhizobacteria on salinity tolerance of sweet basil (<i>Ocimum basilicum</i> L.)	347
B. O. Unagwu, I. Onah, G. Chibuike. Residual effects of repeated animal manure application on coarse-textured <i>Ultisol</i> , nutrient uptake and cucumber yield	357
L. Khatami, A. Ghassemi-Kahrizeh, A. Hosseinzadeh, S. Aramideh. The effect of sublethal doses of <i>Bacillus thuringiensis</i> Berliner on <i>Tuta absoluta</i> (Meyrick) on resistant and susceptible tomato cultivars	367
E. Yörük. Rutin hydrate induces autophagic cell death and oxidative stress response in phytopathogenic fungus <i>Fusarium graminearum</i>	375