

CONTENTS

Ilyas Deligoz, Miray Arli-Sokmen Mucella Tekeoglu

Phenotypic and molecular screening of dry bean (*Phaseolus vulgaris* L.) breeding lines for resistance to *bean common mosaic virus* and *bean common mosaic necrosis virus* 7

Malgorzata Schollenberger, Agnieszka Gadomska-Gajadhur, Ewa Mirzwa-Mróz, Damian Kret,

Ewa Skutnik, Elżbieta Paduch-Cichal, Mark Gleason

The influence of plant essential oils on *in vitro* growth of *Pectobacterium* and *Dickeya* spp. bacteria 19

Xiao-Fang Yu, Yan Feng, Lin-Jie Yue

Distribution, collection and evaluation of *Iris* species in southwest China 29

Robert Gruszecki, Aneta Stawiarz

Biostimulants containing amino acids in vegetable crop production 45

Arda Akçal

Determination of carbohydrate accumulation and plant growth dynamics in snowdrop (*Galanthus elwesii* Hook.) response to moisture levels in different substrates 59

Paweł Trzciński, Mateusz Frąc, Anna Lisek, Michał Przybył, Magdalena Frąc, Lidia Sas-Paszt

Growth promotion of raspberry and strawberry plants by bacterial inoculants 71

Ireneusz S. Sosna

Effect of condit soil improver on growth, yield and leaf mineral content of two summer pear cvs. with interstocks 83

Şule Ceylan, Şehmuz Semih Yardımcı, Yasemin Camadan, Özlem Saral, Özge Özsen Batur

Chemical composition of essential oil by SPME and evaluation of antimicrobial, antioxidant activities of *Quercus inectoria* gall 93

Waldemar Treder, Krzysztof Klamkowski, Iwona Sowik, Robert Maciorowski

Possibilities of using RGB-based image analysis to estimate the chlorophyll content of micropropagated strawberry plants 105

Yusuf Savsatlı, Arzu Karatas

Effects of grafting on some phytochemical traits and mineral content in bitter gourd (*Momordica charantia* L.) 117

Jadwiga Żebrowska, Magdalena Dyduch-Siemińska, Jacek Gawroński, Izabella Jackowska, Marzena Pabich

Pre-breeding study for the enhancement of bioactive fruit attributes in strawberry (*Fragaria × ananassa* Duch.) 131