

CONTENTS

ORIGINAL ARTICLES

- 189 Preparations of plant origin enhance carbohydrate content in plant tissues of rooted cuttings of rambler roses: *Rosa beggeriana* 'Polstjärnan' and *Rosa helenae* 'Semplena'
Marta Joanna Monder and Andrzej Pacholczak
- 199 Inoculation treatments affect the migration and colonisation of rhizobia in alfalfa (*Medicago sativa* L.) plants
Yang-yang Miao, Shang-li Shi, Zhong-nan Nie, Wen-juan Kang and Taylor P Frazier
- 213 Alterations in yield, physicochemical components and mineral composition of onion following organic manure and inorganic nitrogen application
Mbulelo Ncayiyana, Martin M. Maboko and Isa Bertling
- 220 Long-term impact of no-till conservation agriculture on abundance and order diversity of soil macrofauna in continuous maize monocropping system
Nkanyiso J. Sithole, Lembe S. Magwaza, Paramu L. Mafongoya and Guy R. Thibaud
- 230 Ecosystem C and N dynamics affected by a modified spring barley trait with increased nitrogen use - a simulation case study
Henrik Eckersten, Håkan Marstorp, Dennis Collentine, Holger Johnsson and Thomas Kätterer
- 243 Concentration of trace and major elements in natural grasslands of Bosnia and Herzegovina in relation to soil properties and plant species
Jasmina Vejnovic, Branko Djuric, Peder Lombnæs and Bal Ram Singh
- 255 Changes in yield and gas exchange parameters in *Festulolium* and alfalfa grown in pure sowing and in mixture under drought stress
Mariola Staniak, Jolanta Bojarszczuk and Jerzy Książak
- 264 Presence of war related elements in dandelion (*Taraxacum officinale*) as a possible consequence of military activities in east Croatia
Bijelić Lidija, Puntarić Dinko, Gvozdić Vlatka, Vidosavljević Domagoj, Jurić Dragana, Lončarić Zdenko, Puntarić Ada, Puntarić Eda, Vidosavljević Marina, Puntarić Ida, Muller Andrijana and Šijanović Siniša
- 273 Exploring optimal soil mulching to enhance maize yield and water use efficiency in dryland areas in China
Liang Gaimei, Wang Yuguo, Chi Baoliang, Li Nana, Chen Wenliang and Qin Wei