

CONTENTS

- M. Kochiieru, K. Lamorski, V. Feiza, D. Feizienė, J. Volungevičius.** The effect of soil macroporosity, temperature and water content on CO₂ efflux in the soils of different genesis and land management291
- B. Pupin, D. E. N. Rangel, E. Nahas.** Response of CO₂ efflux from forest and annual crop as a function of water retention capacity and the addition of nitrogen299
- V. Bogužas, A. Sinkevičienė, K. Romanekas, V. Steponavičienė, L. Skinulienė, L. M. Butkevičienė.** The impact of tillage intensity and meteorological conditions on soil temperature, moisture content and CO₂ efflux in maize and spring barley cultivation.....307
- L. Legzdīņa, E. Ivdre, D. Piliksere, A. Vaivode, I. Mieriņa, M. Jure.** Effect of genotype and crop management systems on the content of antioxidants in hulless and covered spring barley315
- M. Järvan, L. Lukme, I. Tupits, A. Akk.** The productivity, quality and bread-making properties of organically and conventionally grown winter rye323
- A. Marcinkevičienė, R. Velička, L. M. Butkevičienė, M. Keidan, R. Pupalienė, Z. Kriaučiūnienė, R. Kosteckas, S. Čekanauskas, S. Raudonius.** The impact of non-chemical weed control methods on the disease occurrence in the organically grown winter oilseed rape crop.....331
- E. Bakšienė, J. Titova.** Effects of cultivation technologies on woody biomass yield of various willow (*Salix* spp.) cultivars339
- I. Pašakinskienė, D. Švėgždienė.** A comparative lowered temperature response in root apex cellular growth of *Festuca pratensis* and *Festulolium braunii*349
- H. R. Bolok Yazdi, S. K. Sabbagh, M. Mazaheri, M. Salari, S. M. Moshtaghioun.** Virus-induced gene silencing for functional analysis of *eds1* gene in tomato infected with *Ralstonia solanacearum*357
- A. Karanfil, B. Cevik, S. Korkmaz.** Detection of Lettuce mosaic virus infection in South Marmara Region of Turkey and coat protein gene characterization363
- D. Bjelić, M. Ignjatov, J. Marinković, D. Milošević, Z. Nikolić, J. Gvozdanić-Varga, M. Karaman.** *Bacillus* isolates as potential biocontrol agents of *Fusarium clove* rot of garlic369
- J. Jatkauskas, V. Vrotniakienė, R. Stoškus.** Variations in fermentation, bacterial population and aerobic stability in maize silage377