

Contents

A. Annuk, E. Kokin, V. Palge, V. Pöder, J. Lepa Wind energy application problems in inland areas of Estonia	169
A. Arlauskiene, S. Maiksteniene Effect of sowing methods on the productivity of catch crops and soil nitrogen leaching.....	181
R. Domeika, A. Jasinskas, D. Steponavičius, E. Vaiciukevičius, V. Butkus The estimation methods of oilseed rape harvesting losses	191
H. Gerath, A. Sakalauskas, J. Köhn, Ch. Knitter, T. Geick, R. Böttcher Extension of the raw material basis for the production of biogas through an efficient conversion of biomass.....	199
A. Jasinskas, G. Rutkauskas, A. Dravininkas, A. Mioldažys Vibratory thickening of grass mass	207
J. L. Kolchinskij Problems of development of bio-energetics in the Russian Federation.....	221
A. Kryževičienė, A. Jasinskas, A. Gulbinas Perennial grasses as a source of bioenergy in Lithuania	229
A. Laurs, J. Priekulis Robotic milking of dairy cows	241
V. Maksarov, J. Olt Analysis of the rheological model of the process of chip formation with metal machining.....	249
J. Palabinskis, A. Aboltins, A. Lauva, N. Karpova-Sadigova The comparative material investigations of solar collector	255
I. Pelēce, U. Iljins, I. Ziemelis Theoretical calculation of energy received by semi-spherical solar collector	263
S. Petkevičius, L. Špokas, D. Steponavičius Substantiation of technological parameters of wet maize ear threshing.....	271
A. Pocius, P. Šniauka, A. Pushnov Influence of dynamical factors on safe work with a fertilizer spreader.....	281
A. Požėlienė, S. Lynikienė, I. Šapailaitė, A. Sakalauskas Utilization of strong electric field for special cleaning buckwheat seeds.....	291
J. Priekulis, V. Murikov Research in liquid manure removal and storage technological versions on milk farms	299
D. Rössel, H. Ortiz-Laurel, N. Kanswohl, M. Schlegel Mathematical modelling for precisely improving inputs supply for crop production	307
E. Šarauskis, E. Vaiciukevičius, A. Sakalauskas, K. Romaneckas, A. Jasinskas, R. Lillak Impact of sowing speed on the introduction of winter wheat seeds in differently-tilled soils.....	315

A. Satkus, A. Velykis	
Modeling of seedbed creation for spring cereals in clayey soils	329
M. Schlegel, N. Kanswohl, D. Rössel, A. Sakalauskas	
Essential technical parameters for effective biogas production.....	341
D. Šimanskaitė	
The impact of soil tillage minimization on sandy light loam soil	349
P. Šniauka, A. Pocius	
Thermal weed control in strawberry	359
L. Špokas, D. Steponavičius, S. Petkevičius	
Impact of technological parameters of threshing apparatus on grain damage.....	367
D. Steponavičius, L. Špokas, S. Petkevičius	
The influence of position of the first straw walker's section on grain separation	377
K. Tamm, R. Vettik	
Case study: Economics of spring feeding in grassland.....	387
S. Toropov, B. Reppo, A. Leola, V. Palge	
Modelling of heat exchange of milking parlour	397
E. Vaiciukevičius, A. Sakalauskas, E. Šarauskis, R. Domeika, V. Butkus	
The cleaning of Caucasian goat's rue chaff in the combine harvester cleaner	405
T. Vōsa	
Growing technology and costs for direct burning usage of <i>Galega orientalis</i>	415
R. Zinkevičius	
Influence of soil sampling for precision fertilizing	423