

Spis treści

Volodymyr Bułgakov, Ivan Holovach, Mykola Berezovyy, Janusz Nowak	
The plane interaction theory of the cleaning vane with the head of a root crop	5
Paweł Chemperek, Leszek Rydzak	
Vacuum wetting of soybean seeds and maize grains at different temperature and time conditions.....	24
Karol Cupiał, Grzegorz Katolik	
Selection of model parameters of biogas IC engine.....	32
Volodymyr Didukh, Ruslan Kirchuk, Igor Dudarev, Igor Gołowachuk	
Investigation on effect of porosity and involution of roll on drying speed.....	39
Dariusz Dziki, Janusz Laskowski	
Influence of wheat grain mechanical properties on grinding energy requirements.....	45
Józef Gorzelany	
Effect of selected factors on the value of force necessary for removing individual sugar beet roots from soil	53
Stanisław Grundas, Ewa Rudziewicz	
Physical and technological effects of wheat grain infestation by granary weevils	61
Sergiy Gutrya, Victor Yaglinsky	
System criteria analysis and function optimization of industrial robots	70
Leon P.B.M. Janssen, Leszek Mościcki	
Scale-up of thermoplastic starch extrusion	82
Jan Jech, Marek Angelovic, Jan Ponican, Bronislav Židek, Miroslav Žitňák	
Evaluation of drying-plant SCHIEF CBS 16-4 power parameters at drying maize....	92
Zbigniew Kobus	
Studies upon the ultrasonic extraction process on an example of dry matter extraction from dried carrots	101
Elżbieta Kusińska	
Horizontal pressure on the wall of a model silo in relation to the moisture content of oats.....	115
Piotr Kuźniar, Stanisław Sosnowski	
Energy necessary to open bean pods at various nitrogen fertilization levels	123
Kazimierz Lejda	
An influence of exhaust gas recirculation on NO and other toxic components emission in Diesel engines.....	128
Marcin Mitrus	
Investigations of thermoplastic starch extrusion cooking process stability	138

Ignacy Niedziółka, Mariusz Szymanek, Andrzej Zuchniarz	
Energetic evaluation of postharvest corn mass for heating purposes	145
Sergiy Pastushenko, Kostantyn Dumenko	
Optimum planning of basic parameter characteristics of machine for extraction of seeds from vegetable crops	151
Vyacheslav Shebanin, Sergiy Pastushenko, Valeriy Havrysh	
Prospect of gaseous fuel application in plant-growing in Ukraine.....	156
Paweł Sobczak	
Sorbitol addition on extrusion process	163
Małgorzata Trojanowska, Krzysztof Nęcka	
Modelling the demand of rural users for natural gas.....	170
Małgorzata Trojanowska, Tomasz Szul	
Distribution of commune budget resources for pro-environmental activities in rural households	176
Małgorzata Trojanowska, Tomasz Szul	
Modelling of energy demand for heating buildings, heating tap water and cooking in rural households.....	184
Sergiy Umiński, Stanisław Sosnowski	
Research of the technological process of cogwheels furnishing	191
Anatoliy Usov, Alexander Nitsevich	
Technological opportunities for increasing the machine parts' operational characte ristics	195
Stanisław Walusiak, Marek Podleśny, Wiktor Pietrzyk	
Microprocesor model to control Zł motors.....	199
Kazimierz Zawiślak	
A modified stand for testing water stability of plant-origin agglomerates	207