

Contents

Малахова Ольга „Влияние параметров древесных частиц на механические свойства материалов, прессованных из древесно-клеевой композиции“	7
Mamiński Mariusz, Król Magdalena, Jaskółowski Waldemar, Borysiuk Piotr „Flammability of wood-mineral wool hybrid particleboards“	14
Марченко Наталья „Определение норм расхода круглых лесоматериалов для производства обрезных пиломатериалов“	18
Matejak Mieczysław, Kozakiewicz Paweł „Über das spezifische Gewicht des Holzes nach deutschsprachiger Literatur des 18. und 19. Jh“	24
Matejak Mieczysław „Kyan's Patent-Methode zur Holzkonservierung im Spiegel der deutschsprachigen Fachliteratur vom Anfang des 19. Jh“	30
Matejak Mieczysław, Kozakiewicz Paweł „Holzfällungszeit“	37
Matwiej Łukasz „Suboptimisation of structure of mattress made from polyurethane oams of standard type“	43
Matyašovský Ján, Jurkovič Peter, Duchovič Peter, Sedliačik Ján „Utilisation of collagen biopolymers and amaranth in polycondensation adhesives“	48
Matyašovský Ján, Duchovič Peter, Sedliačik Ján, Barinová Michaela „Lowering of formaldehyde emissions from UF adhesives with modified collagen hydrolysate“	55

Mazela Bartłomiej, Hochmńska Patrycja, Ratajczak Izabela, Wichlacz – Szentner Kinga „Silicon compounds as hydrophobic agents (additives) improving coatings performance: water absorption“	61
Mikołajczak Elżbieta „The analysis of pellet market in Poland“	65
Mirski Radosław, Derkowski Adam „The effect of cyclic humidity changes on dimensional stability of core and outer layers in OSB/3“	71
Modzelewska Izabela, Cofta Grzegorz, Jaszczur Anna, Jastrzębska Magdalena „Breaking strength of paper articles containing different proportions of starch additive and resin glue following microfungus attack“	78
Modzelewska Izabela, Pietrzak Maciej, Jaszczur Anna „Content of heavy metals in paper articles manufactured from type d waste paper pulp and containing cereal bran“	83
Moliński Waldemar, Cunderlik Igor, Krauss Andrzej, Fabisiak Ewa, Jurek Paweł „Gradient of density and tensile strength along the grains of spruce wood (<i>Picea abies</i>) within individual annual rings“	87
Monder Sławomir, Kozakiewicz Paweł, Iwanek Ewa „The natural fire of selected species of exotic wood from Asia“	93
Mostowski Rafał „Time-dependent displacement of pin in furniture joint elements in steady-load conditions of pull-out force“	99
Nawrot Marcin, Pazdrowski Witold, Szymański Marek, Kaźmierczak Katarzyna „Wood quality of butt logs in European larch (<i>Larix decidua</i> Mill.) and diameter increment dynamics“	104
Nawrot Marcin, Pazdrowski Witold, Szymański Marek, Kaźmierczak Katarzyna „An interdependence between selected quantitative traits of tree crowns and wood macrostructure in larch (<i>Larix decidua</i> Mill.) trees growing under different site conditions“	109
Nicewicz Danuta, Danecki Leszek „Wood from pallets and wooden containers as a potential source of raw material for the wood-based boards industry“	115
Nicewicz Danuta, Pensiek Justyna „The content of heavy metal ions in particleboards“	119
Nicewicz Danuta, Boruszewski Piotr, Klimczewski Marcin „Usefulness of pulp from pallet wood in the production of insulation boards“	122
Novák Igor, Pollák Vladimír, Chodák Ivan, Kopný Ján, Sedliačik Ján „Electro conductive polymer composite adhesives“	127
Novák Igor, Chodák Ivan, Jurkovič Peter, Sedliačik Ján, Antal Pavol „Nanocomposite hot-melt adhesives on the base of ionomers“	132
Novák Igor, Matyašovský Ján, Sedliačik Ján, Chodák Ivan „Nanocomposite copolymer ethylene-vinylacetate adhesives“	135
Olejnik Konrad, Wysocka-Robak Agnieszka „Optimization of recycled pulp refining process“	140
Orłowski Kazimierz A., Grzeškiewicz Marek The effect of heat treatment of hardwood on the specific cutting resistance	147
Orłowski Kazimierz A., Javorek Lubomír „Limitations of the Chladni patterns method for determination of circular saw blade critical rotational speeds“	152
Ozaist–Przybyła Anna „Hepplewhite chairs from the Museum in Nieborów – characteristics“	158
Parys Tomasz „Forms of internet advertising used in furniture industry portals and vortals in Poland“	163
Parys Tomasz „Selected website development technologies used in polish portals and vortals of wood industry“	168



Pavlovičs Gunārs, Antons Andis, Alksne AndaLavnikoviča Ilzīte, Cīrule Dace, Dolacis Jānis, Daugavietis Māris, Daugaviete Mudrīte „Comparison of the anatomical structure elements and physical properties of the wood of different alder species growing in Latvia“	173
Pernak Juliusz, Zabielska-Matejuk Jadwiga, Stangierska Anna, Kropacz Aleksandra, Kot Mariusz Ammonium ionic liquids in wood preservation	178
Пинчевская Лена, Гоняк Валерий „Построение кривых кинетики сушки ольховых пиломатериалов с учетом внутреннего источника влаги“	183
Pinkowski Grzegorz, Szymański Waldemar, Gilewicz Adam, Krauss Andrzej „Impact of the wear of the cutting edge on selected parameters of the surface geometric structure after wood milling“	187
Popovic Jasmina, Radosevic Gordana „Anatomical-Chemical Characteristics of <i>Paulownia fortunei</i> Seem. Hemsl. and <i>Paulownia elongata</i> S.Y. Hu Xylem“	192
Proszkyk Stanisław, Lis Barbara, Krystofiak Tomasz, Terakowska Karolina „Influence of caring agent on utility properties of ash wood surfaces finished with oil-waxes products. Part III. Abrasion and impact resistance“	199
Proszkyk Stanisław, Lis Barbara, Krystofiak Tomasz, Terakowska Karolina „Influence of caring agent on utility properties of ash wood surfaces finished with oil-waxes products. Part IV. Resistance to some thermal and chemical factors“	203
Пристая Алексей „Предпосылки использования отходов лесопиления в системе Гослесхоза Украины“	207
Przybysz Piotr, Świekatowski Wojciech „Methods of solid waste disposal in paper recycling process“	211
Przybysz Kazimierz, Przybysz Piotr „Waste paper – substitute for wood in paper industry“	215
Ratajczak Izabela, Mazela Bartłomiej „Chemical reaction of cellulose with alkoxy silane molecules. Part I. FTIR analysis“	219
Ratajczak Izabela, Mazela Bartłomiej „Chemical reaction of cellulose with alkoxy silane molecules. Part II. AAS analysis“	223
Rohanová Alena, Jabłoński Marek, Krzosek Sławomir „Strength grading of constructional lumber in regard to European, German, Slovak and Polish standards“	227
Rohanová Alena „Characteristics of spruce timber quality determined by ultrasonic and bending methods“	234
Rohanová Alena, Šmidriaková Mária „Increasing of structural timber quality by finger joints“	239
Rohanová Alena „Variability of the moduli of elasticity along the length of timber“	244
Rousek Miroslav, Novák Vít, Kopecský Zdeněk, Klepárník Jan „Evaluating the material flow stability in a pneumatic transport system“	249
Ružinská Eva, Móza Martin, Jabłoński Marek, Plandorová Katarína „Study of resistance properties of surface finishing of wooden products“	256
Sedliačik Ján, Sedliačiková Mariana „Innovation tendencies at application of adhesives in wood working industry“	262
Slabejová Gabriela, Móza Martin „Surface roughness - a factor of evaluation quality surface treatment“	267
Smardzewski Jerzy, Lusiak Anna „Requirements and really quality of mattress for preschool age children“	274
Соколовски Славчо, Делийски Ненчо „Расчет механизма для горизонтального перемещения диска круглопильного устройства для горизонтальной ленточной пилы“	279

Solár Rastislav, Kurjatko Stanislav, Dibdiaková Janka, Mamoň Miroslav „Influence of the alkaline and alkaline/oxidation pre-treatments of hornbeam and spruce wood on the properties of kraft pulps“	284
Starecki Andrzej, Kłosińska Teresa, Ružinská Eva, Zbieć Marcin „Shear strength of urea-formaldehyde glue bonds in beech plywood treated with selected bio and fireproofing preservatives“	292
Starecki Andrzej, Kłosińska Teresa, Ružinská Eva, Zbieć Marcin „Shear strength of phenol-formaldehyde glue beech plywood impregnated with selected bio and fireproofing preservatives“	297
Svoboda Emil, Rousek Miroslav, Mañas Karel, Kopecký Zdeněk, Hrubý Vojtěch „Surface structure of milled wood“	303
Svoboda Emil, Rousek Miroslav, Mañas Karel, Hrubý Vojtěch „Possibilities of the surface texture evaluation by 2D and 3D systems“	311
Swaczyna Irena, Tomusiak Andrzej, Kędzierski Andrzej, Koryciński Wojciech, Policińska – Serwa Anna „Indentation and abrasion resistance of decorative wood flooring of the Castle in Łańcut“	316
Sydor Maciej, Wochnik Piotr „Specialisation of the general purpose four-side moulder for cot rail processing“	320
Sydor Maciej, Koziątek Krzysztof „Wood-based products as construction materials of contemporary woodworking machines“	325
Sydor Maciej „Theatrum machinarum lignum – some remarks concerning wood significance in machine construction“	330
Sydor Maciej, Wołpiuk Marcin „New concept of a frame saw for timber“	335
Szaban Jarosław „The development of rot in spruce wood caused by tapping by cervine species“	339
Szczawiński Mieczysław „Value calculation for raw timber and wood-derived materials“	344
Szymanowski Waclaw, Sztanc Magdalena „New forms of business for the Polish wood companies on the European Union market“	348
Szymański Waldemar, Gilewicz Adam, Pinkowski Grzegorz, Beer Piotr „Durability of blades covered by multilayer anti-wear coatings during wood milling“	353
Szymański Marek, Pazdrowski Witold, Nawrot Marcin, Kaźmierczak Katarzyna, Mańka Krzysztof „Interdependence between selected quantitative traits of tree crowns and wood macrostructure of common oak (<i>Quercus robur</i> L.) growing under different site conditions“	358
Szymański Marek, Pazdrowski Witold, Nawrot Marcin, Kaźmierczak Katarzyna, Mańka Krzysztof „Dynamics of annual increments in diameter of common oak (<i>Quercus robur</i> L.) as influenced by growth conditions“	366
Tomczak Arkadiusz, Pazdrowski Witold, Szaban Jarosław, Jelonek Tomasz, Jakubowski Marcin „Appraisal of wood quality in Scots pines growing on former farmland based on selected elements of wood macrostructure“	374
Veselovský Juraj, Kotradyová Veronika „Furniture designing and its limits“	379
Waliszewska Bogusława, Prądyński Włodzimierz, Zborowska Magdalena, Gizicka Joanna „Heavy metal content in wood and leaves of beech (<i>Fagus sylvatica</i> L.) from area of Drawsko National Park“	384
Wasielewski Roman, Walkowiak Tomasz „Experimental research of circular saw blade tooth axial run-out influence on cutting effects“	389
Wasielewski Roman „Static stiffness of circular saw“	393
Wasielewski Roman, Orłowski Kazimierz A., Sandak Jakub „Circular saw blade dynamics – the measurement method“	397

Wasielewski Roman, Orłowski Kazimierz A. „Effects of workpiece feeding errors on multi-rip saws“	401
Wieloch Grzegorz, Osajda Marcin „Testing stand for machining forces during wood turing with disc tool-SPRT“	405
Wieloch Grzegorz, Adamski Zbigniew, Mostowski Rafał „The interaction of abrasive grains on the thermally modified surface of acacia wood during grinding“	409
Wieloch Grzegorz, Kłos Robert „Clamex new furniture joint - the knockdown Biscuit“	415
Wieruszewski Marek, Gotych Viktor, Hruzik, Ginter J., Goduński Grzegorz „Properties of coniferous glued elements for skeletal construction“	419
Wieruszewski Marek, Gotych Viktor, Hruzik, Ginter J. „Comparison of traits of solid and glued timber used in building constructions“	424
Wilczyński Maciej, Warmbier Krzysztof „Determination of elastic moduli of veneers in plywood. Effect of the veneer anisotropy“	429
Wilkowski Jacek, Woliński Kacper „Assessment of wood surface roughness based on image histogram analysis“	433
Wilkowski Jacek, Godwod Peter „Machine vision on wood surface defects detection algorithm“	437
Wilkowski Jacek, Siwek Ireneusz „Influence of cutting speed on edge quality during of laminated particleboard drilling“	441
Wołpiuk Marcin, Sydor Maciej „Constructional properties of connected wood-derived panels and strength design of hardware joints“	446
Wołpiuk Marcin, Pohl. Piotr „Investigations on the effect of a polyurethane preparation on the holding capacity of screw connectors mounted in a dry-formed MDF board“	450
Wójcik Aleksandra, Matejak Mieczysław „Insektenpulver“	456
Wójcik Aleksandra „Türkisches Papyr zu machen und zu figurieren“	458
Wójcik Aleksandra, Matejak Mieczysław „Über die Anwendung der Fischbeinspäne für Polstermöbel, Matratzen und geflochtene Möbel“	461
Wysocka-Robak Agnieszka, Olejnik Konrad „Evaluation of recycled pulps used in Polish paper mills“	465
Zabielska-Matejuk Jadwiga „Ionic liquids in investigations of the institute of wood technology“	471
Zhelyazova Boyanka, Mladenova Marina „Application of computer technologies in education process in University of Forestry“	476
Zielenkiewicz Tomasz, Radomski Andrzej, Zawadzki Janusz, Niesłochowski Adam „Migrations of chlorine compounds in pine wood samples (<i>Pinus sylvestris</i> L.)“	480
Зражва Сергей „Возможности максимального использования клепочного кряжа“	485