

Autorul tezei de abilitare: Conf. Dr. Eng. Emilia-Adela SALCĂ

Titlul tezei de abilitare: UTILIZAREA ȘI VALORIFICAREA RESURSEI LEMNOASE LOCALE ÎN INDUSTRIA MOBILEI

Domeniul: INGINERIE FORESTIERĂ

LISTA DE LUCRĂRI

LUCRĂRI RELEVANTE

1. SALCA, E.A., HIZIROGLU, S. (2014). Evaluation of hardness and surface quality of different wood species as function of heat treatment, **Materials and Design**, 62, 416-423. DOI: 10.1016/j.matdes.2014.05.029. WOS:000340047400050 (IF 3.171/2014), <https://www.sciencedirect.com/science/article/abs/pii/S0261306914003987>
2. SALCA, E.A., GOBAKKEN ROSS, L., GJERDRUM, P. (2015). Progress of discoloration in green, freshly cut veneer sheets of black alder (*Alnus glutinosa* L.) wood, **Wood Material Science and Engineering Journal**, 10 (2), 178-184. DOI: 10.1080/17480272.2014.929175. WOS:000368741700003, <https://www.tandfonline.com/doi/abs/10.1080/17480272.2014.929175>
3. SALCA, E.A., KOBORI, H., INAGAKI, T., KOJIMA, Y., SUZUKI, S. (2016). Effect of heat treatment on colour changes of black alder and beech veneers, **Journal of Wood Science**, 62(4), 297-304. DOI:10.1007/s10086-016-1558-3. WOS:000380681000001 (IF 1.268/2016), <https://jwoodscience.springeropen.com/articles/10.1007/s10086-016-1558-3>
4. SALCA, E.A., KRYSOFIAK, T., LIS, B., MAZELA, B., PROSZYK, S. (2016). Some coating properties of black alder wood as function of varnish type and applications method, **BioResources**, 11(3), 7580-7594. DOI:10.15376/biores.11.3.7580-7594. WOS:000384922400148 (IF 1.334/2016), <https://bioresources.cnr.ncsu.edu/resources/some-coating-properties-of-black-alder-wood-as-a-function-of-varnish-type-and-application-method/>
5. SALCA, E.A., KRYSOFIAK, T., LIS, B. (2017). Evaluation of selected properties of alder wood as functions of sanding and coating, **Coatings**, 7(10), 176. DOI:10.3390/coatings7100176. WOS:000414849800025 (IF 2.175/2017), <https://www.mdpi.com/2079-6412/7/10/176>
6. BEKHTA, P., SALCA, E.A. (2018). Influence of veneer densification on the shear strength and temperature behavior inside the plywood during hot press, **Construction and Building Materials**, 162, 20-26. DOI:10.1016/j.conbuildmat.2017.11.161. WOS:000425564400003 (IF 3.169/2017), <https://doi.org/10.1016/j.conbuildmat.2017.11.161>
7. SALCA, E.A. (2019). Black Alder (*Alnus glutinosa* L.) – A resource for value-added products in furniture industry under European screening, **Current Forestry Reports**, 5(1), 41-54. DOI: 10.1007/s40725-019-00086-3. WOS:000459433700003 (IF 4.972/2019), <https://link.springer.com/article/10.1007/s40725-019-00086-3>
8. SALCA, E.A., HIZIROGLU, S. (2019). Hardness and roughness of overlaid wood composites exposed to a high-humidity environment, **Coatings**, 9(11), 711, DOI:10.3390/coatings9110711. WOS:000502298300021 (IF 2.436/2019), <https://www.mdpi.com/2079-6412/9/11/711>

9. SALCA, E.A., BEKHTA, P., and SEBLII, Y. (2020). The Effect of Veneer Densification Temperature and Wood Species on the Plywood Properties Made from Alternate Layers of Densified and Non-Densified Veneers, **Forests**, 11(6), 700. DOI: 10.3390/f11060700. WOS:000553576400001 (IF 2.221/2020), <https://www.mdpi.com/1999-4907/11/6/700>
10. SALCA, E.A, KRYSTOFIAK, T., LIS, B., HIZIROGLU, S. (2021). Glossiness evaluation of coated wood surfaces as function of varnish type and exposure to different conditions, **Coatings**, 11(5), 558. DOI:10.3390/coatings11050558. WOS:000653745600001 (IF 3.230/2021, <https://www.mdpi.com/2079-6412/11/5/558>

TEZA DE DOCTORAT

Salcă Emilia-Adela (2008). Contribuții la optimizarea prelucrării lemnului de arin prin frezare și șlefuire în vederea valorificării în producția de mobilă. Universitatea Transilvania din Brașov; Coordonator științific Prof. Dr. Ing. Cismaru Ivan - (titlul de Doctor obținut în 13.01.2009).

<https://search.worldcat.org/title/1310203529>

<https://www.proligno.ro/ro/articles/2008/4/phd1.htm>

CĂRȚI / CAPITOLE DE CĂRȚI

1. CISMARU, M., SALCA, E.A., POROJAN, M. (2004). Wooden Structures, Editura Universității Transilvania Brașov, 2004, ISBN 973-635-334-6, 148p.
<https://search.worldcat.org/title/895542315>
<https://www.proligno.ro/ro/articles/2005/1/publications.htm>
2. SALCA, E. (2010). Suport de curs-CD pentru IFR (specializarea IPL) – Structuri din lemn pentru mobilă, DIDIFR, ISBN 978-973-598-590-5, 138p.
3. SALCA E.A. (2016). Materiale tradiționale pentru industria lemnului. Editura Universității Transilvania din Brașov, ISBN 978-606-19-0763-2, 105p.
<https://search.worldcat.org/title/1288697182>
<https://www.unitbv.ro/contact/comunitatea-unitbv/2097-salca-emilia-adela.html>
4. SALCA E.A., BEKHTA P. (2021). Effects of Thermo-Mechanical Densification Applied to Veneers of Fast-Growing Species to Produce Value-Added Plywood Panels. Book Chapter in: Cutting-edge Research in Agricultural Sciences, Vol.9, p.161-177, ISBN 978-93-90888-75-7 (print), ISBN 978-93-90888-83-2 (ebook), BP INTERNATIONAL (BOOKPI). DOI: 10.9734/bpi/cras/v9/8628D. **Google Scholar index**,
<https://stm.bookpi.org/CRAS-V9/article/view/1462>
https://scholar.google.com/citations?view_op=view_citation&hl=en&user=bIGdsPkAAAAJ&sortby=pubdate&citation_for_view=bIGdsPkAAAAJ:fPk4N6BV_jEC
5. SALCA E.A. (2022). Selected Coating Properties of Black Alder Wood as a Function of Surface Preparation, Varnish Type, Coating System and Exposure Conditions. Book Chapter in: Recent Trends in Chemical and Material Sciences, Vol.5, p.69-90, ISBN 978-93-5547-420-9 (print), ISBN 978-93-5547-425-4 (ebook), BP INTERNATIONAL (BOOKPI). DOI: 10.9734/bpi/rtcams/v5/2305C. **Google Scholar index**,
<https://stm.bookpi.org/RTCAMS-V5/article/view/5351>

- https://scholar.google.com/citations?view_op=view_citation&hl=en&user=bIGdsPkAAAAJ&sortby=pubdate&citation_for_view=bIGdsPkAAAAJ:dfsIfKJdRG4C
6. SALCA E.A. (2022). Overview on Organic and Inorganic Materials Used for Furniture and Its Decorations. Book Chapter in: Recent Trends in Chemical and Material Sciences, Vol.5, p.91-137, ISBN 978-93-5547-420-9 (print), ISBN 978-93-5547-425-4 (ebook), BP INTERNATIONAL (BOOKPI). DOI: 10.9734/bpi/rtcams/v5/2306C. **Google Scholar index**, <https://stm.bookpi.org/RTCAMS-V5/article/view/5352>, https://scholar.google.com/citations?view_op=view_citation&hl=en&user=bIGdsPkAAAAJ&sortby=pubdate&citation_for_view=bIGdsPkAAAAJ:4OULZ7Gr8RgC
 7. SALCA E.A. (2023). Selected Properties of Wood-Based Panels as a Function of Raw Material, Applied Treatment and Exposure Conditions. Book Chapter in Advanced Research in Biological Science, Vol.2, p.41-73, ISBN 978-81-19491-40-7 (print), ISBN 978-81-19491-41-4 (ebook), BP INTERNATIONAL (BOOKPI). DOI: 10.9734/bpi/arbs/v2/6188C. **Google Scholar index**, <https://stm.bookpi.org/ARBS-V2/article/view/11618>, https://scholar.google.com/citations?view_op=view_citation&hl=en&user=bIGdsPkAAAAJ&sortby=pubdate&citation_for_view=bIGdsPkAAAAJ:xtRiw3GOFMkC
 8. SALCA E.A. (2023). Effects of Heat Treatment Applied to Wood and Veneers of Various Wood Species. Book Chapter in Advanced Research in Biological Science, Vol.2, p.74-101, ISBN 978-81-19491-40-7 (print), ISBN 978-81-19491-41-4 (ebook), BP INTERNATIONAL (BOOKPI). DOI: 10.9734/bpi/arbs/v2/6189C. **Google Scholar index**, <https://stm.bookpi.org/ARBS-V2/article/view/11619>, https://scholar.google.com/citations?view_op=view_citation&hl=en&user=bIGdsPkAAAAJ&sortby=pubdate&citation_for_view=bIGdsPkAAAAJ:CHSYGLWDkRkC

ARTICOLE ÎN REVISTE

Articole în reviste indexate ISI

1. SALCA, E.A., HIZIROGLU, S. (2014). Evaluation of hardness and surface quality of different wood species as function of heat treatment, **Materials and Design**, Vol.62, p.416-423, October, 2014. DOI: 10.1016/j.matdes.2014.05.029, <https://www.sciencedirect.com/science/article/abs/pii/S0261306914003987>
WOS:000340047400050, IF=3.171
2. SALCA, E.A., GOBAKKEN ROSS, L., GJERDRUM, P. (2015). Progress of discoloration in green, freshly cut veneer sheets of black alder (*Alnus glutinosa* L.) wood, **Wood Material Science and Engineering Journal**, vol 10, No.2, p.178-184. DOI: 10.1080/17480272.2014.929175, <https://www.tandfonline.com/doi/abs/10.1080/17480272.2014.929175>
WOS:000368741700003, IF=0
3. MUSAT, E. C., SALCA, E. A., DINULICA, F., CIOBANU, V. D., DUMITRASCU, A. E. (2016). Evaluation of color variability of oak veneers for sorting, **BioResources** 11(1), 573-584. DOI:10.15376/biores.11.1.573-584, <https://bioresources.cnr.ncsu.edu/resources/evaluation-of-color-variability-of-oak-veneers-for-sorting/>
WOS:000367732700047, IF=1.334

4. SALCA, E.A., KOBORI, H., INAGAKI, T., KOJIMA, Y., SUZUKI, S. (2016). Effect of heat treatment on colour changes of black alder and beech veneers, **Journal of Wood Science**, 62(4), 297-304. DOI 10.1007/s10086-016-1558-3, <https://jwoodscience.springeropen.com/articles/10.1007/s10086-016-1558-3> WOS:000380681000001, IF=1.268
5. SALCA, E.A., KRYSIOFIK, T., LIS, B., MAZELA, B., PROSZYK, S. (2016). Some coating properties of black alder wood as function of varnish type and applications method, **BioResources** 11(3), 7580-7594. DOI:10.15376/biores.11.3.7580-7594, <https://bioresources.cnr.ncsu.edu/resources/some-coating-properties-of-black-alder-wood-as-a-function-of-varnish-type-and-application-method/> WOS:000384922400148, IF=1.334
6. DUMITRASCU, A.E., MUSAT, E.C., DUMITRASCU, D.I., CIOBANU, V.D., and SALCA, E.A. (2017). Influence of sessile oak log characteristics on the efficiency in veneer cutting, **BioResources** 12(2), 2579-2591, <https://bioresources.cnr.ncsu.edu/resources/influence-of-sessile-oak-log-characteristics-on-the-efficiency-in-veneer-cutting/> WOS:000402883700025, IF=1.321
7. MUSAT, E.C., SALCA, E.A., CIOBANU, V.D., and DUMITRASCU, A.E. (2017). The influence of log defects on the cutting yield of oak veneer, **BioResources** 12(4), 7917-7930, <https://bioresources.cnr.ncsu.edu/resources/the-influence-of-log-defects-on-the-cutting-yield-of-oak-veneer/> WOS:000422879900074, IF=1.321
8. SALCA, E.A., KRYSIOFIK, T., LIS, B. (2017). Evaluation of selected properties of alder wood as functions of sanding and coating, **Coatings** 7(10), 176. doi:10.3390/coatings7100176, <https://www.mdpi.com/2079-6412/7/10/176> WOS:000414849800025, IF=2.175
9. SCRIBA, C., MUSAT E.C., SALCA, E.A., CIOBANU, V.D. (2017). Influence of Energy Willow Crops on Soil Features in the Case of a Contaminated Land, **Journal of Environmental Protection and Ecology** 18(4), 1403-1410. <https://scibulcom.net/en/journal/1311-5065/issue/2017-18-4/> https://scholar.google.ro/citations?view_op=view_citation&hl=ro&user=ye2BGkYAAAAJ&sortby=pubdate&citation_for_view=ye2BGkYAAAAJ:3fE2CSJlr8C WOS:000423283800012, IF=0.774
10. BEKHTA, P., SALCA, E.A. (2018). Influence of veneer densification on the shear strength and temperature behavior inside the plywood during hot press, **Construction and Building Materials** 162, 20-26. <https://doi.org/10.1016/j.conbuildmat.2017.11.161>, <https://www.sciencedirect.com/science/article/abs/pii/S0950061817323802?via%3Dihub> WOS:000425564400003, IF=3.169
11. DUMITRASCU, A.E., SALCA, E.A., MIHAIL, L.A., CIOBANU, V.D., and MUSAT, E.C. (2018). Inferential statistics of *Quercus* species in veneer cutting, **BioResources** 13(3), 6766-6777. doi: 10.15376/biores.13.3.6766-6777, <https://bioresources.cnr.ncsu.edu/resources/inferential-statistics-of-quercus-species-in-veneer-cutting/> WOS:000440506300140, IF=1.321

12. SALCA, E.A. (2019). Black Alder (*Alnus glutinosa* L.) – A resource for value-added products in furniture industry under European screening, **Current Forestry Reports** 5(1), 41-54. DOI: 10.1007/s40725-019-00086-3, <https://link.springer.com/article/10.1007/s40725-019-00086-3>
WOS:000459433700003, IF=4.972
13. SALCA, E.A., HIZIROGLU, S. (2019). Hardness and roughness of overlaid wood composites exposed to a high-humidity environment, **Coatings**, 9(11), 711, DOI:10.3390/coatings9110711, <https://www.mdpi.com/2079-6412/9/11/711>
WOS:000502298300021, IF=2.436
14. SALCA, E.A (2019). Assessment of the Processing Roughness of Black Alder Surfaces. **Sigma Journal of Engineering and Natural Sciences**, 10 (1), 47-53. <https://eds.yildiz.edu.tr/sigma/ContentDetails?Volume=10&IssueNumber=1>
WOS:000522758100006, IF=0
15. DUMITRASCU, A.E., LUNGULEASA, A., SALCA, E.A., CIOBANU, V.D. (2020). Evaluation of Selected Properties of Oriented Strand Board Made from Fast Growing Species, **BioResources** 15(1), 199-210. DOI:10.15376/biores.15.1.199-210, <https://bioresources.cnr.ncsu.edu/resources/evaluation-of-selected-properties-of-oriented-strand-boards-made-from-fast-growing-wood-species/>
WOS:000511129100018, IF=1.409
16. BEKHTA, P., SALCA, E.A., LUNGULEASA, A. (2020). Some properties of plywood panels manufactured from combinations of thermally densified and non-densified veneers of different thickness in one structure. **Journal of Building Engineering**, 29, 101116, DOI: 10.1016/j.jobbe.2019.101116, <https://www.sciencedirect.com/science/article/abs/pii/S2352710219305352>
WOS:000529904300013, IF=3.379
17. SALCA, E.A., BEKHTA, P., SEBLII, Y. (2020). The effect of veneer densification temperature and wood species on the plywood properties made from alternate layers of densified and non-densified veneers, **Forests**, 11(6), 700, DOI:10.3390/f11060700, <https://www.mdpi.com/1999-4907/11/6/700>
WOS:000553576400001, IF=2.221
18. BRATU, C.A., CIOBANU V.D., DERCZENI, R.A. and SALCA, E.A. (2020). Study on the forest road pavements reinforced with geogrids by using the 2D FEM method. **Road Materials and Pavement Design** 21 (6), 1738-1752. DOI: 10.1080/14680629.2019.1566085, <https://www.tandfonline.com/doi/abs/10.1080/14680629.2019.1566085>
WOS:000551326800015, IF=2.582
19. CHOTIKHUN, A., KITTIJARUWATTANA, J., SALCA, E.A., and HIZIROGLU, S. (2020). Selected Physical and Mechanical Properties of Microwave Heat Treated Rubberwood (*Hevea brasiliensis*). **Applied Sciences-Basel** 10 (18), 6273. DOI: 10.3390/app10186273, <https://www.mdpi.com/2076-3417/10/18/6273>
WOS:000586376400001, IF=2.474
20. SCRIBA, C., LUNGULEASA, A., SALCA, E.A., and CIOBANU, V.D. (2021). Properties of biomass obtained from short-rotation inger willow clone grown on a contaminated and non-contaminated land. **Maderas-Ciencia y Tecnologia** 23(14):1-12. DOI:10.4067/s0718-221x2021000100414,

- https://www.scielo.cl/scielo.php?script=sci_arttext&pid=S0718-221X2021000100414
WOS:000672638300014, IF=1.576
21. SALCA, E.A, KRYSTOFIAK, T., LIS, B., HIZIROGLU, S. (2021). Glossiness evaluation of coated wood surfaces as function of varnish type and exposure to different conditions, *Coatings* 11(5):558. <https://doi.org/10.3390/coatings11050558>,
<https://www.mdpi.com/2079-6412/11/5/558>
WOS:000653745600001, IF=3.23
 22. CHOTIKHUN, A., KITTIJARUWATTANA, J., ARSYAD, W.O.M., SALCA, E.-A., HADI, Y.S., HIZIROGLU, S. (2022). Some Properties of Wood Plastic Composites Made from Rubberwood, Recycled Plastic and Silica. *Forests* 13, 427. <https://doi.org/10.3390/f13030427>,
<https://www.mdpi.com/1999-4907/13/3/427>
WOS:000775382100001, IF=3.282
 23. CHOTIKHUN, A., KITTIJARUWATTANA, J., LEE, SH., SALCA, E.-A, ARSYAD, W.O.M., HADI, Y.S., NEIMSUWAN, T., HIZIROGLU, S. (2023). Characterization of plywood made from heat-treated rubberwood veneers bonded with melamine urea formaldehyde resin. *Journal of Wood Science* 69(1):23. DOI:10.1186/s10086-023-02097-y,
<https://jwoodscience.springeropen.com/articles/10.1186/s10086-023-02097-y>
WOS:001016770500001, IF=2.90
 24. CHOTIKHUN, A., LAOSENSA, R., KITTIJARUWATTANA, J., LEE, SH., SAE-UENG, K., NAKASON, C., PIANROJ, Y., SALCA, E.-A. (2023). Elemental compositions of wood plastic pellets made from sawdust and refuse-derived fuel (RDF) waste. *Applied Sciences-Basel* 13(20):11162. DOI:10.3390/app132011162, <https://www.mdpi.com/2076-3417/13/20/11162>
WOS:001090585800001, IF=2.70

Articole în reviste indexate BDI

1. SALCA, E.A., CISMARU, I., FOTIN, A. (2007). Effect of Sunlight upon Colour Stability of Alder and Cherry Veneers, *PROLigno*, vol 3, N4, December 2007, ISSN 1841-4737, p.65-71. EBSCO index,
<https://www.proligno.ro/en/articles/2007/4/paper6.htm>
<https://www.proligno.ro/ro/index.htm>
2. PETROVICI, V., VARODI, A.M., SALCA, E. (2007). Study upon the Shearing Strength of Gluing Made with Mixed Furan Resin with Furfurylic Alcohol of URELIT FC-2 Type, *PROLigno*, vol. 3, N. 1, March 2007, ISSN 1841-4737, p. 43-53. EBSCO index,
<https://proligno.ro/en/articles/2007/1/paper4.htm>
<https://www.proligno.ro/ro/index.htm>
3. FOTIN, A., CISMARU, I., SALCA, E. (2008). Experimental Research Concerning the Power Consumption during the Sanding Process of Birch Wood, *PROLigno*, vol. 4, No.3, September 2008, ISSN 1841-4737, p.37-45. EBSCO index,
<https://proligno.ro/en/articles/2008/3/paper3.htm>
<https://www.proligno.ro/ro/index.htm>
4. SALCA, E.A., FOTIN, A., CISMARU, I. (2008). Evaluation of Surface Quality after Profiled Milling of Alder and Birch Wood, *PROLigno*, vol 4, N2, June 2008, ISSN 1841-4737, p.57-68. EBSCO index,
<https://proligno.ro/en/articles/2008/2/paper6.htm>

- <https://www.proligno.ro/ro/index.htm>
5. CISMARU, I., **SALCA, E.A.** (2009). Industrial floorings with repeated modular design, **PROLigno**, vol.5, No.4, December 2009, ISSN 1841-4737, p.25-32. **EBSCO index**,
<https://proligno.ro/en/articles/2009/4/paper2.htm>
<https://www.proligno.ro/ro/index.htm>
 6. FOTIN, A., CISMARU, I., **SALCA, E.A.**, CISMARU, M. (2009). Influence of the Variable Parameters of the Machining Regimes upon the Surface Quality Obtained by Straight Milling, **PROLigno**, vol.5, No.4, December 2009, ISSN 1841-4737, p.53-64. **EBSCO index**,
<https://proligno.ro/en/articles/2009/4/paper5.htm>
<https://www.proligno.ro/ro/index.htm>
 7. FOTIN, A., CISMARU, I., CISMARU, M., **SALCA, E.A.** (2010). Study concerning the Influence of Milling Parameters upon the Surface Quality, **PROLigno**, vol.6, No.1, March 2010, ISSN 1841-4737, p.55-66. **EBSCO index**,
<https://proligno.ro/en/articles/2010/1/paper5.htm>
<https://www.proligno.ro/ro/index.htm>
 8. **SALCA, E.A.**, CISMARU, I. (2010). Research upon alder veneers under visible light influence, **Bulletin of the Transilvania University of Braşov**, vol 3 (52) – 2010. Series II: Forestry-Wood industry-Agricultural Food Engineering, ISSN 2065-2135 (Print), ISSN 2065-2143 (CD-ROM), p.135-142. **CABI index**,
http://webbut2.unitbv.ro/BU2010/Series%20II/Contents_II_WI.html
<http://webbut2.unitbv.ro/Bulletin/Series%20II/Series%20II.html>
 9. **SALCA, E.**, CISMARU, I. (2011). Colour Changes Evaluation of Freshly Cut Alder Veneers under the Influence of Indoor Sunlight, **PROLigno**, vol 7, No.1, March 2011, ISSN 1841-4737, p.15-24. **CABI index**,
<https://proligno.ro/en/articles/2011/201101.htm>
<https://www.proligno.ro/ro/index.htm>
 10. POROJAN, M., **SALCA, E.** (2011). Research Concerning the Shearing Strength of Black Locust Wood, **PROLigno**, vol 7, No.2, June 2011, ISSN 1841-4737, p.30-38. **CABI index**,
<https://proligno.ro/en/articles/2011/201102.htm>
<https://www.proligno.ro/ro/index.htm>
 11. **SALCA, E.A.**, HIZIROGLU, S. (2012). Analysis of surface roughness of black alder as function of various processing parameters, **PROLigno**, vol 8, No.2, June 2012, ONLINE ISSN 2069-7430, ISSN-L 1841-4737 p.68-79. **CABI index**,
<https://proligno.ro/en/articles/2012/201202.htm>
<https://www.proligno.ro/ro/index.htm>
 12. PEREZ, A., **SALCA, E.A.**, MALDONADO, B. HIZIROGLU, S. (2012). Evaluation of Surface Quality of Medium Density Fibreboard and Particeboard as Function of Weathering, **PROLigno**, vol 8, No.4, December 2012, ONLINE ISSN 2069-7430, ISSN-L1841-4737, p.10-17. **CABI index**,
<https://proligno.ro/en/articles/2012/201204.htm>
<https://www.proligno.ro/ro/index.htm>
 13. AYDIN, I., DEMIRKIR, C., COLAK, S., **SALCA, E.A.** (2013). The effect of veneers roughness on bonding and some mechanical properties of plywood, **PROLigno**, vol 9, No.1, March 2013,

- ONLINE ISSN 2069-7430, ISSN-L1841-4737, p.41-49. **CABI index**,
<https://proligno.ro/en/articles/2013/201301.htm>
<https://www.proligno.ro/ro/index.htm>
14. **SALCA, E.A.** (2015). Optimization of wood milling schedule – a case study. **PROLigno**, vol 11, No.4, December 2015, ONLINE ISSN 2069-7430, ISSN-L1841-4737, p.525-530. **CABI index**,
<https://proligno.ro/en/articles/2015/201504.htm>
<https://www.proligno.ro/ro/index.htm>
15. **DEMIR, A., AYDIN, I., SALCA, E.A.** (2017). Some technological properties of plywood after fire retardant treatment in different concentrations. **PROLigno**, vol 13, No.2, June 2017, ONLINE ISSN 2069-7430, ISSN-L1841-4737, p.40-45. **CABI index**,
<https://proligno.ro/en/articles/2017/201702.htm>
<https://www.proligno.ro/ro/index.htm>
16. **SALCA, E.A.** (2017). Optimization of the cutting schedule during sanding. In: **Lesnoy vestnik / Forestry Bulletin**, 2017, vol 21, no. 4, pp.70-72, ISSN 2524-1468, DOI: 10.18698/2524-1468-2017-4-70-72. **RSCI index**,
<https://cyberleninka.ru/article/n/optimization-of-the-cutting-schedule-during-sanding>
<https://les-vest.mf.bmstu.ru/eng/>
17. **BEKHTA, P., SALCA, E.A., KOZAK, R.** (2018). Properties of wood-straw composites bonded with modified UF adhesive and pre-treated straw particles. **PROLigno**, vol 14, No.1, ONLINE ISSN 2069-7430, ISSN-L 1841-4737, p.37-41. **CABI index**,
<https://proligno.ro/en/articles/2018/201801.htm>
<https://www.proligno.ro/ro/index.htm>
18. **SALCA, E.A., FEKETE-KASZONI, L.** (2022). Old stilt houses as an inspiration for modern dwellings. **PROLigno**, vol 18, No. 4, ONLINE ISSN 2069-7430, ISSN-L 1841-4737, p.45-56. **CABI index**,
<https://proligno.ro/en/articles/2022/202204.htm>
<https://www.proligno.ro/ro/index.htm>

Articole în reviste cu indexare CNCSIS B+

1. **LUNGULEASA, A., STOIAN (SALCA), E., POROJAN, M.** (2003). Influence of chips upon drying process, **Bulletin of the Transilvania University of Braşov**, 2003, ISSN 1223-9631.
<http://webbut2.unitbv.ro/Bulletin/Series%20II/Series%20II.html>
2. **CISMARU, M; DAKO, T; SALCA, E.** (2006). Furniture and Specific Ornaments from Odorheiu Secuiesc Region, **PROLigno**, vol 2, N 1, martie2006, ISSN 1841-4737, p. 31-40,
<https://www.proligno.ro/en/articles/2006/1/paper3.htm>
<https://www.proligno.ro/ro/index.htm>
3. **ENE, N; SALCA, E.** (2006). Contributions to Establishing the Working Capacity of Band Saws used for Beech Logs Conversion. Part 1: Operating conditions and influencing factors, **PROLigno**, vol 2, N 2, iunie 2006, ISSN 1841-4737, p. 57-62,
<https://www.proligno.ro/en/articles/2006/2/paper5.htm>
<https://www.proligno.ro/ro/index.htm>
4. **ENE, N; SALCA, E.** (2006). Contributions to Establishing the Working Capacity of Band Saws Used for Beech Logs Conversion. Part 2: Factors Which Determine the Conversion Capacity,

- PROLigno**, vol 2, N 3, septembrie 2006, ISSN 1841-4737, p. 51-58,
<https://www.proligno.ro/en/articles/2006/3/paper5.htm>
<https://www.proligno.ro/ro/index.htm>
5. ENE, N; **SALCA, E.** (2006). Contributions to Establishing the Working Capacity of Band Saws Used for Beech Logs Conversion. Part 3: Relation Used for the Capacity Calculus, **PROLigno**, vol 2, N 4, decembrie 2006, ISSN 1841-4737, p. 53-61,
<https://www.proligno.ro/en/articles/2006/4/paper6.htm>
<https://www.proligno.ro/ro/index.htm>
 6. **SALCA, E.**, FOTIN, A., CISMARU, M. (2006). Aspects concerning the workability of alder and birch, **Bulletin of the Transilvania University of Braşov**, vol 13(48).Series A, 2006, ISSN 1223-9631, Published by Transilvania University Press,
http://webbut2.unitbv.ro/BU2008/Arhiva/BU2006/Seria_A_A2_WI.htm
<http://webbut2.unitbv.ro/Bulletin/Series%20II/Series%20II.html>
 7. MITUCA, C., MITISOR, A., **SALCA, E.** (2007). MDF veneering optimization, **Bulletin of the Transilvania University of Braşov**, vol 14(49). Series A, 2007, ISSN1223-9631, Published by Transilvania University Press,
http://webbut2.unitbv.ro/BU2008/Arhiva/BU2007/Seria_A_A2_WI.htm
<http://webbut2.unitbv.ro/Bulletin/Series%20II/Series%20II.html>
 8. **SALCA, E.**, FOTIN, A. (2007). Colour changes occurred on veneer surfaces under indoor exposure, **Bulletin of the Transilvania University of Braşov**, vol 14(49). Series A, 2007, ISSN1223-9631, Published by Transilvania University Press,
http://webbut2.unitbv.ro/BU2008/Arhiva/BU2007/Seria_A_A2_WI.htm
<http://webbut2.unitbv.ro/Bulletin/Series%20II/Series%20II.html>

ARTICOLE PUBLICATE IN VOLUME ALE CONFERINTELOR INTERNAŢIONALE

Articole publicate în volume ale Conferințelor Internaționale cu indexare ISI

1. **SALCA, E.A.**, LAURENZI, W., POROJAN, M. (2010). Study upon the roughness of straight milled surfaces made of black alder. In: Proceedings of the 16th International Scientific Conference 2010 under Knowledge-Based Organization KBO 2010, 25-27 November 2010, Sibiu, Romania, ISSN 1843-682X, pp. 129-135. (ISI 2010) WOS:000297596200021, IF=0
2. **SALCA, E.A.**, KRYSTOFIAK, T., and LIS, B. (2018). Glossiness of coated alder wood after artificial aging. In: Proceedings of 8th Hardwood Conference, Sopron, Hungary, 25-26 Oct 2018, p.149-150 (ISI 2019). WOS:000474688100070, IF=0
3. DERCZENI, R., **SALCA, E.A.**, CIOBANU, V.D., BITIR, I., MUSAT, E.C., LIAMPAS, S.A. (2018). Establishing criteria for calculating the tax/road tolling for vehicles used for timber transport on forest roads. In: Proceedings of the Biennial International Symposium "Forest and Sustainable Development" 8th Edition, 25th-27th of October 2018, Braşov, Romania, p.161-170, (ISI 2019). WOS:000659268700016, IF=0
4. **SALCA, E.A.**, POROJAN, M. (2022). Potential of aged oak staves for small-sized furniture. In: Proceedings of the 10th Hardwood Conference, 12-14 October 2022, Sopron, Hungary, ISBN 978-963-334-446-0 (pdf), DOI <https://doi.org/10.35511/978-963-334-446-0>, p.161-164 (ISI 2023). WOS:000945965000033, IF=0

5. MUSAT, E.C., **SALCA, E.A.** (2022). Can the characteristics of the crown influence the stability of poplar trees? In: Proceedings of the 10th Hardwood Conference, 12-14 October 2022, Sopron, Hungary, ISBN 978-963-334-446-0 (pdf), DOI <https://doi.org/10.35511/978-963-334-446-0>, p.142-145 (ISI 2023). WOS:000945965000028, IF=0.

Articole publicate în volume ale Conferințelor Internaționale cu indexare BDI (CABI, SCOPUS)

1. **SALCA, E.A.** (2010). Total roughness of profiled surfaces made of black alder wood. In: Proceedings of the Biennial International Symposium FOREST AND SUSTAINABLE DEVELOPMENT, Faculty of Silviculture and Forest Engineering, Transilvania University of Brasov, Romania, 15-16 October 2010. **CABI index**, cabidigitallibrary.org/doi/pdf/10.5555/20123105512
https://scholar.google.com/citations?view_op=view_citation&hl=en&user=bIGdsPkAAAAJ&start=20&pagesize=80&sortby=pubdate&citation_for_view=bIGdsPkAAAAJ:2osOgNQ5qMEC
2. POROJAN, M.; **SALCA, E. A.**, CISMARU, M. (2010). Experimental Study Concerning the Behaviour of Black Locust Wood to Wear Test (2010). In: Annals of DAAAM for 2010&Proceedings of the 21st International DAAAM Symposium, ISBN 978-3-901509-73-5, ISSN 1726-9679, Editor B. Katalinic, Published by DAAAM International, Vienna, Austria 2010, p. 1035-1037. **SCOPUS index**,
<https://daaam.info/21st-proceedings-2010>
https://scholar.google.com/citations?view_op=view_citation&hl=en&user=bIGdsPkAAAAJ&start=20&pagesize=80&sortby=pubdate&citation_for_view=bIGdsPkAAAAJ:FxGoFyZp5QC
3. **SALCA, E. A.** (2012). Outline of the processing roughness evaluated on sanded black alder wood. In: Proceedings of the International Symposium FOREST AND SUSTAINABLE DEVELOPMENT, Faculty of Silviculture and Forest Engineering, Transilvania University of Brasov, Romania, October 2012. **CABI index**,
cabidigitallibrary.org/doi/full/10.5555/20133203660
https://scholar.google.com/citations?view_op=view_citation&hl=en&user=bIGdsPkAAAAJ&start=20&pagesize=80&sortby=pubdate&citation_for_view=bIGdsPkAAAAJ:D03iK_w7-QYC

Articole publicate în volume ale Conferințelor Internaționale cu Comitet științific de recenzie

1. **STOIAN (SALCA), E.**, LUNGULEASA, A. (2002). Density repartition within flake chipboards thickness. In: Proceedings of the International Conference – Wood Science and Engineering in the Third Millenium, Transilvania University of Brașov, Romania, Faculty of Wood Industry, 20-22 November 2002, ISBN 973-635-078-9, Editura Universității Transilvania Brașov, p.182-185.
2. BOIERIU, C., **STOIAN (SALCA), E.**, LICA, D. (2002). Computer assisted selection of adhesives used for solid wood gluing. In: Proceedings of the International Conference – Wood Science and Engineering in the Third Millenium, Transilvania University of Brașov, Romania, Faculty of Wood Industry, 20-22 November 2002, ISBN 973-635-078-9, Editura Universității Transilvania Brașov, p.297-300.
3. LUNGULEASA, A., **STOIAN (SALCA), E.** (2003). The influence of the wooden chips features on the drying process. In: Proceedings of the 8th International IUFRO Wood Drying Conference,

- Braşov, Romania, 24-29 August 2003, Transilvania University of Braşov, Faculty of Wood Industry and IUFRO S5.04-06, ISBN 973-635-198-x, Editura Universităţii Transilvania Braşov, p.334-335.
4. GRECU, V., **STOIAN (SALCA), E.** (2003). Research regarding the adjusting systems of temperature and humidity for the climatic testing installation of wooden finished products. In: Proceedings of the 8th International IUFRO Wood Drying Conference, Braşov, Romania, 24-29 August 2003, Transilvania University of Braşov, Faculty of Wood Industry and IUFRO S5.04-06, ISBN 973-635-198-x, Editura Universităţii Transilvania Braşov, p.331-333.
 5. CISMARU, M., CISMARU, I., CAMPEAN, M., POROJAN, M., FOTIN, A., **SALCA, E.** (2004). Direct method for shrinkage determination of veneers. In: Proceedings of the International Conference – Wood Science and Engineering in the Third Millenium, ICWSE, 10-12 November 2004, Transilvania University of Braşov, Romania, ISBN 973-635-385-0, Editura Universităţii Transilvania Braşov, 2004, p.36-39.
 6. PETROVICI, V., COLCEA, G., CRACIUN, V., SCURTU, E., BORZEA, L., MAIER, C., PIRNUTA, O., **SALCA, E.**, POPARAD, A. (2004). Considerations regarding the new types of urea- and phenol-formaldehyde resins manufactured by SC VIROMET SA Victoria – Romania and used in the wood processing department. In: Proceedings of the International Conference – Wood Science and Engineering in the Third Millenium, ICWSE, 10-12 November 2004, Transilvania University of Braşov, Romania, ISBN 973-635-385-0, Editura Universităţii Transilvania Braşov, 2004, p.161-166.
 7. POROJAN, M., **SALCA, E.**, CISMARU, M. (2004). Gluing shearing strength by compression at BlackLocust (*Robinia Pseudacacia L.*) wood samples. In: Proceedings of the International Conference – Wood Science and Engineering in the Third Millenium, ICWSE, 10-12 November 2004, Transilvania University of Braşov, Romania, ISBN 973-635-385-0, Editura Universităţii Transilvania Braşov, 2004, p.167-169.
 8. **SALCA, E.**, FOTIN, A., CISMARU, M., CISMARU, I. (2004). Traditional skills of alder and birch. In: Proceedings of the International Conference – Wood Science and Engineering in the Third Millenium, ICWSE, 10-12 November 2004, Transilvania University of Braşov, Romania, ISBN 973-635-385-0, Editura Universităţii Transilvania Braşov, 2004, p.190-195.
 9. MITISOR, A., **SALCA, E.**, GHEMENT, M. (2004). Aspects regarding the veneers deformation during processing. In: Proceedings of the International Conference – Wood Science and Engineering in the Third Millenium, ICWSE, 10-12 November 2004, Transilvania University of Braşov, Romania, ISBN 973-635-385-0, Editura Universităţii Transilvania Braşov, 2004, p.248-252.
 10. LUNGULEASA, A., **SALCA, E.**, FOTIN, A. (2004). The influence of the wood density upon the chipboards technology and their features. In: Proceedings of the International Conference – Wood Science and Engineering in the Third Millenium, ICWSE, 10-12 November 2004, Transilvania University of Braşov, Romania, ISBN 973-635-385-0, Editura Universităţii Transilvania Braşov, 2004, p.339-342.
 11. **SALCA, E.**, FOTIN, A., CISMARU, M. (2005). Folk-botany and environment. In: Proceedings of the 2nd International Conference on Trends in Environmental Education, EnvEdu 2005, 8-10

- September 2005, Braşov, Romania, ISBN 973-635-555-1, Editura Universităţii Transilvania, p.300-305.
12. **SALCA, E.** (2006). Web design-ul aplicat în structurarea informaţiei tehnice şi documentare. In: Proceeding-ul Sesiunii de comunicări ştiinţifice cu participare internaţională „Terra Dacica – România Mileniului Trei”, Academia Forţelor Aeriene „Henri Coandă”, 5-6 May 2006, Braşov, ISSN 1453-0139.
 13. **SALCA, E.** (2006). Considerations regarding alder wood workability. In: Proceedings of the International Conference on Technology and Quality for Sustained Development TQSD06, University Politehnica of Bucharest, Materials Technology and Welding Department, May 2006, Bucharest, ISBN 973-720-035-7, p. 243-246.
 14. **SALCA, E., FOTIN, A., CISMARU, M.** (2006). Therapy of trees - a natural gift. In: Proceedings of the Biennial International Symposium „Forest and Sustainable Development”, Facultatea de Silvicultură şi Exploatare Forestiere, Universitatea Transilvania Braşov, 27 October 2006, Braşov, Editura Universităţii Transilvania Braşov 2007, p.271-276.
 15. **FOTIN, A., SALCA, E., CISMARU, M.** (2006). Survey upon some non-industrial uses of birch. In: Proceedings of the Biennial International Symposium „Forest and Sustainable Development”, Facultatea de Silvicultură şi Exploatare Forestiere, Universitatea Transilvania Braşov, 27 October 2006, Braşov, Editura Universităţii Transilvania Braşov 2007, p.277-282.
 16. **SALCA, E., CISMARU, I.** (2006). Alder wood - a secondary resource of high potential of use. In: Proceedings of the International Postgraduates Students Conference „Contemporary State and Development Trends of Forests in Cultural Landscape”, Faculty of Forestry and Wood Technology, Mendel University of Agriculture and Forestry, Brno, Czech Republic, 22-24 November 2006, ISBN 80-7375-000-7, p. 137-144.
 17. **SALCA, E., FOTIN, A., CISMARU, M.** (2006). Aspects regarding the life cycle of twig furniture. In: Proceedings of the International Conference „Research for Furniture Industry”, Faculty of Wood Technology, Agricultural University, Poznan, Poland, 24 November 2006, ISBN 978-83-89887-89-4, p. 67-72
 18. **CISMARU, M., SALCA, E., FOTIN, A.** (2006). Painted ornaments specific to Szekler furniture. In: Proceedings of the International Conference „Research for Furniture Industry”, Faculty of Wood Technology, Agricultural University, Poznan, Poland, 24 November 2006, ISBN 978-83-89887-89-4, p. 73-78
 19. **CISMARU, M., FOTIN, A., SALCA, E.** (2006). Specific furniture from Odorheiu Secuiesc Region. In: Proceedings of the International Conference „Research for Furniture Industry”, Faculty of Wood Technology, Agricultural University, Poznan, Poland, 24 November 2006, ISBN 978-83-89887-89-4, p. 79-86
 20. **PETROVICI, V., VARODI, A.M., SALCA, E.** (2007). Research studies regarding the gelation of mixed furan resins with furfurylic alcohol of FR-3 URELIT type and FR-9 URELIT type at the environment temperature. In: Proceedings of the International Conference BRAMAT 2007, ISSN 1223-9631.
 21. **FOTIN, A., SALCA, E., CISMARU, I.** (2007). Overview upon drying discolorations specific to birch wood. In: Proceedings of the International Conference „Wood Science and Engineering in the

- Third Millennium”, Faculty of Wood Industry, Transilvania University of Brasov, 20-22 June 2007, ISBN 1843-2689, p. 142-147.
22. FOTIN, A., **SALCA, E.**, CISMARU, I. (2007). Considerations regarding birch forestry. In: Proceedings of the International Conference „Wood Science and Engineering in the Third Millennium”, Faculty of Wood Industry, Transilvania University of Brasov, 20-22 June 2007, ISBN 1843-2689, p. 40-46.
23. CISMARU, M., CISMARU, I., CAMPEAN, M., **SALCA, E.** (2007). Theoretical and experimental study concerning the veneered panels deformation. In: Proceedings of the International Conference „Wood Science and Engineering in the Third Millennium”, Faculty of Wood Industry, Transilvania University of Brasov, 20-22 June 2007, ISBN 1843-2689, p. 303-307.
24. URDEA, S., PETROVICI, V., **SALCA, E.** (2007). Study concerning the influence of thickness, temperature and boards pack configuration upon the formaldehyde emission of plywood determined through the flask method. In: Proceedings of the International Conference „Wood Science and Engineering in the Third Millennium”, Faculty of Wood Industry, Transilvania University of Brasov, 20-22 June 2007, ISBN 1843-2689, p. 371-379.
25. VARODI, A., PETROVICI, V., **SALCA, E.** (2007). Research studies concerning the jellification and the gluing shearing strength of the mixed furan resin with furfurylic alcohol of FC-2 URELIT type in mixture with the urea resin of R URELIT type. In: Proceedings of the International Conference „Wood Science and Engineering in the Third Millennium”, Faculty of Wood Industry, Transilvania University of Brasov, 20-22 June 2007, ISBN 1843-2689, p. 203-213.
26. PETROVICI, V., VARODI, A.M., **SALCA, E.** (2007). Study upon the gluing shearing strength of some adhesive compounds based on the mixed furan resin with furfurylic alcohol of FC-2 URELIT type. In: Proceedings of the International IUFRO Conference, IUFRO All Division 5, Taipei, October 2007.
27. **SALCA, E.** (2009). Discoloration of veneers under natural sunlight exposure. In: Proceedings of the International Conference „Wood Science and Engineering in the Third Millennium”, Faculty of Wood Industry, Transilvania University of Brasov, 4-6 June 2009, ISSN 1843-2689, Editura Universităţii Transilvania Braşov, p.58-63.
28. FOTIN, A., **SALCA, E.**, CISMARU, I., CISMARU, M. (2009). Variation of power consumption during sanding birch wood on wide belt sander. In: Proceedings of the International Conference „Wood Science and Engineering in the Third Millennium”, Faculty of Wood Industry, Transilvania University of Brasov, 4-6 June 2009, ISSN 1843-2689, Editura Universităţii Transilvania Braşov, p.226-232.
29. CISMARU, I., **SALCA, E.** (2009). Industrial floorings produced under modular system. In: Proceedings of the 1st edition of International Symposium: Floorings-materials, technology and education, Dr.luga de Saliste Foundation, September 2009, Brasov, Transilvania University Brasov.
30. **SALCA, E.A.**, CISMARU, M. (2010). Comparative study on veneers discoloration. In: Proceedings of the 12th International Conference of Scientific Papers AFASES 2010, Henri Coanda Air Force Academy, Brasov, Romania, 27-29 May 2010, ISBN 978-973-8415-76-8.

31. **SALCA, E.A.**, CISMARU, M. (2010). Review over hand-crafted wood. In: Proceedings of the 12th International Conference of Scientific Papers AFASES 2010, Henri Coanda Air Force Academy, Brasov, Romania, 27-29 May 2010, ISBN 978-973-8415-76-8.
32. **SALCA, E. A.**, CISMARU, I., LAURENZI, W. (2011). Evaluation of final roughness on longitudinal profiled surfaces of black alder wood. In: Proceedings of the International Conference „Wood Science and Engineering in the Third Millennium”, Faculty of Wood Industry, Transilvania University of Brasov, 3-5 November 2011, ISSN 1843-2689, Editura Universității Transilvania Braşov, p.211-216.
33. **SALCA, E. A.** (2011). Study upon the colour changes of freshly cut and thermally treated black alder veneers under sunlight and dark indoor exposure. In: Proceedings of the International Conference „Wood Science and Engineering in the Third Millennium”, Faculty of Wood Industry, Transilvania University of Brasov, 3-5 November 2011, ISSN 1843-2689, Editura Universității Transilvania Braşov, p.420-426.
34. **SALCA, E.A.**, BUDĂU, G. (2012). Review upon the colour stability of black alder veneers under sunlight influence. In: Book of Abstracts of the 1st Workshop Basics for Chemistry of Wood Surface Modification, Kuchl-Salzburg, Austria, April 25-27 2012, ISBN 978-3-200-02623-0, p.93-95.
35. **SALCA, E. A.**, CISMARU, I. (2012). Roughness of black alder wood surfaces after milling and sanding. In: Proceedings of the 5th Conference on Hardwood Research and Utilization in Europe 2012, Hardwood Science and Technology, Sopron, Hungary, 10-11 September 2012, ISBN 978-963-9883-97-0, p.159-169.
36. GARCIA PEREZ, A., **SALCA, E.A.**, MALDONADO, B., HIZIROGLU, S. (2013). Evaluation of surface quality of wood composites as function of weathering. In: Book of Abstracts of the COST Action FP0904 Conference “Evaluation, processing and predicting of THM treated wood behaviour by experimental and numerical methods”, PPIMC, Iasi, Romania, 9-11 April 2013, ISBN 978-973-702-990-4, p. 81-82.
37. **SALCA, E. A.** (2013). Evaluation of discolorations specific to *Alnus glutinosa* caused by air oxidation. In: Proceedings of the International Conference „Wood Science and Engineering in the Third Millennium”, Faculty of Wood Industry, Transilvania University of Brasov, 7-9 November 2013, ISSN 1843-2689, Editura Universității Transilvania Braşov, p.962-967.
38. **SALCA, E.A.**, HIZIROGLU, S. (2014). Effect of heat treatment on surface roughness and hardness of black alder (*Alnus glutinosa* L.) wood. In: Book of Abstracts/Proceedings of ECWM7 Lisbon, Portugal, 10-12 March 2014, ISBN 978-972-49-2267-6, p.53.
39. **SALCA, E.A.**, HIZIROGLU, S. (2014). Evaluation of hardness and roughness of heat treated wood species. In: Book of Abstracts of Final COST Action FP0904 Conference, Skelleftea, Sweden, 19-21 May 2014, ISBN 978-91-7439-0, p.38-39.
40. **SALCA, E.A.** (2014). Surface quality of black alder wood during longitudinal milling. In: Proceedings of the 3rd International Conference on Processing Technologies for the Forest and Bio-based Products Industries (PTF BPI 2014), Kuchl/Salzburg, Austria, September 24-26 2014, p.637-640.
41. **SALCA, E.A.** (2015). Overview upon discolorations caused by heat treatment applied to different assortments of black alder. In: Book of Abstracts of the Final COST FP1006 meeting

- "Advances in modified and functional bio-based surfaces" at the Aristotle University of Thessaloniki, Thessaloniki, Greece, 7-9 April 2015, p. 81-83.
42. **SALCA, E.A.**, KOBORI, H., INAGAKI, T., KOJIMA, Y., SUZUKI, S. (2015). Evaluation of heat-treated veneers of various wood species. In: Proceedings of ECWM8, Helsinki, Finland, 26-27 October 2015, p.83-87.
43. KOBORI, H., **SALCA, E.A.**, INAGACHI, T., KOJIMA, Y., SUZUKI, S. (2015). Investigation of heat treatment on wood veneers by NIR spectroscopy. Poster presented at the 17th International Conference on Near Infrared Spectroscopy NIR 2015, Foz do iguassu, Brasil, 18-23 October 2015.
44. **SALCA, E.A.** (2015). Optimization of wood milling schedule – a case study. In: Proceedings of the International Conference „Wood Science and Engineering in the Third Millennium“, Faculty of Wood Industry, Transilvania University of Brasov, 5-7 November 2015.
45. **SALCA, E.A.**, KOBORI, H., INAGAKI, T., SUZUKI, S., HIZIROGLU, S. (2016). Evaluation of heat-treated black alder wood by FT-NIR. In: Book of Abstracts of the 2nd edition Workshop NIR & WOOD – SOUNDS GOOD! Application of NIR spectroscopy in wood science and technology, San Michele all'Adige (TN), Italy, 19-21 April 2016, ISBN 978-88-941153-0-7 p.51-52.
46. **SALCA, E.A.**, KRYSTOFIAK, T., LIS, B. (2016). Adhesion strength and glossiness of coated surfaces made of alder wood as function of their surface roughness. In: Book of Abstracts of the HYGROTHERMAL PERFORMANCE OF BUILDINGS AND THEIR MATERIALS Joint Conference: COST Action FP 1303 „Performance bio-based building materials“ & DURAWOOD Project „Superior bio-friendly systems for enhanced wood durability“, Poznan, Poland, 30-31 August 2016, p.31-32.
47. **SALCA, E.A.**, HIZIROGLU, S. (2016). Evaluation of hardness and of heat treated yellow poplar wood. In: Book of Abstracts of the COST Action FP1407 2nd Conference „Innovative production technologies and increased wood products recycling and reuse“, Brno, Czech Republic, 29-30 September 2016, ISBN 978-80-7509-429-2, p.85-86.
48. BOGDAN, I., MUSAT, E.C., **SALCA, E.A.**, SCRIBA, C., CIOBANU, V.D. (2016). Evaluation of selected mechanical properties of willow wood. In: Book of Abstracts of the International Symposium "Forest and Sustainable Development" Braşov, Romania 7-8 October, 2016.
49. **SALCA, E.A.**, BEKHTA, P. (2016). Influence of veneer densification upon the process of plywood production. In: Book of Abstracts of the 13th Pacific Rim Bio-Based Composites Symposium "Bio-Based composites for a sustainable future", Concepcion, Chile, 13-15 November 2016, p.98.
50. LYUTYY, P., BEKHTA, P., **SALCA, E.A.** (2016). Composite panels made from Tetra-Pak and polyethylene waste materials. In: Book of Abstracts of the 13th Pacific Rim Bio-Based Composites Symposium "Bio-Based composites for a sustainable future", Concepcion, Chile, 13-15 November 2016, p.84.
51. KOZAK, R., BEKHTA, P., **SALCA, E.A.** (2016). Wood-straw composites bonded with urea formaldehyde glue modified by ethanol. In: Proceedings of the 13th Pacific Rim Bio-Based Composites Symposium "Bio-Based composites for a sustainable future", Concepcion, Chile, 13-15 November 2016, p.62-65.

52. **SALCA, E.A.,** KRYSTOFIAK, T., LIS, B. (2017). Some aesthetic decorative features of varnished products. In: Book of Abstracts of the COST Action FP 1303 Workshop „ Design, Application and Aesthetics of biobased building materials” Sofia, Bulgaria 28th February – 1st March 2017, ISBN 978-619-160-758-7, p.43-44.
53. **SALCA, E.A.** (2017). Surface roughness and power consumption-two criteria for wood processing optimization in furniture industry. In: Book of Abstracts of the COST Action FP 1303 Final Conference “Building with bio-based materials-best practice and performance specification” Zagreb, Croatia 6-7 September 2017, ISBN 978-953-292-051-2, p.38-39.
54. BEKHTA, P., **SALCA, E.A.,** KOZAK, R. (2017). Properties of wood-straw composites bonded with modified UF adhesive and pre-treated straw particles. In: Proceedings of the International Conference „Wood Science and Engineering in the Third Millennium”, Faculty of Wood Industry, Transilvania University of Brasov, 2-4 November 2017, ISSN 1843-2689, vol 2, p. 806-810.
55. **SALCA, E.A.** (2017). Black alder and rubberwood-resources for value-added products. In: Proceedings of the 3rd Asia Pacific Rubber Conference APRC 2017, Prince of Songkla University, Surat Thani, Thailand, 16-17 November 2017, p.182-185.
56. **SALCA, E.A.** (2018). Assessment of the Processing Roughness of Black Alder Surfaces. In: Proceedings of The International Products Congress ORENKO 2018, Trabzon Turkey, 26-29 September 2018, ISBN 978-605-2271-09-4, p.238-244.
57. **SALCA, E.A.,** BEKHTA, P. (2018). Evaluation of shear strength of plywood produced from densified birch veneers. In: Proceedings of The Fourteenth Pacific Rim Bio-Based Composite Symposium, BIOCOMP 2018, 29-31 October 2018, Makassar, Indonesia, p.119-122.
58. **SALCA, E.A.,** KOBORI, H., INAGACHI, T., SUZUKI, S. (2018). Study on colour of heat treated wood veneers. In: Proceedings of The 61st International Convention of Society of Wood Science and Technology and Japan Wood Research Society, November 5-9, 2018 – Nagoya, Japan, ISBN 978-0-981-7876-8-8, p.656-659.
59. **SALCA, E.A.,** BEKHTA, P. (2018). Properties of multi-layer plywood made from combinations of densified and non-densified veneers in one structure. In: Book of Abstracts of the COST Action FP1407 Final Conference “Living with modified wood”, 12-13 December 2018, Belgrade, Serbia, ISBN 978-86-7299-280-9, p.84-85.
60. **SALCA, E.A.** (2019). Evaluation of the Surface Quality of Wood as a Function of Machining Parameters. In: Book of Abstracts of the ATINER Conference: A Stream on “Environmentally Friendly Value-Added Products”, 27-30 May 2019, Athens, Greece, ISBN 978-960-598-251-5, p.39.
61. **SALCA, E.A.,** BEKHTA, P. (2019). Selected properties of plywood manufactured from alternate layers of densified and non-densified alder veneers. Poster presented at IUFRO 2019, Curitiba, Brasil, 29 September-5 October 2019.
62. **SALCA, E.A.,** KOBORI, H., SUZUKI, S., SAAD, S., KOJIMA, Y. (2019). Colour changes of hinoki cypress veneer under heat treatment. In: Proceedings of the International Conference „Wood Science and Engineering in the Third Millennium”, Faculty of Wood Industry, Transilvania University of Brasov, 7-9 November 2019, ISSN 1843-2689, p. 625-628.

63. **SALCA, E.A.**, BEKHTA, P. (2021). Some mechanical properties of mixed plywood made of birch veneers with and without densification. In: Book of Abstracts of the 15th Pacific Rim Bio-Based Symposium, BIOCOMP 2020-21, Wood-Based Panels for New Climate Change, 29 Sept-1 Oct, 2021, HICO, Gyeongju, Rep. of Korea, Hybrid Meeting Format.

ALTE LUCRĂRI

Articole publicate în volumele ale Conferințelor Naționale

1. LUNGULEASA, A., **SALCA, E.**, GRECU, V. (2003). Experimentări referitoare la utilizarea radiațiilor infraroșii pentru uscarea lemnului. In: Proceedings, Conferința Națională – Știința și Ingineria Lemnului în Mileniul III, Universitatea Transilvania Brașov, Facultatea de Industria Lemnului, 20-21 Noiembrie 2003, ISBN 973-635-230-7, Editura Universității Transilvania Brașov, p.114-117.
2. PETROVICI, V., AGACHE, C., **SALCA, E.**, BOIERIU, C., BARSAN, S., TAPU, B., (2003). Cercetări privind variația absorbției, umflării lineare și volumice a lemnului de fag la tratarea prin imersie cu soluții de uree. In: Proceedings, Conferința Națională – Știința și Ingineria Lemnului în Mileniul III, Universitatea Transilvania Brașov, Facultatea de Industria Lemnului, 20-21 Noiembrie 2003, ISBN 973-635-230-7, Editura Universității Transilvania Brașov.
3. CISMARU, M., FOTIN, A., **SALCA, E.**, BUTU, R. (2005). Variația în timp a momentului de strângere a șuruburilor, la îmbinările cu accesorii pentru cadre cu picioare. In: Proceedings, Conferința Națională Știința și Ingineria Lemnului în Mileniul III, Brașov, 4-5 Noiembrie 2005, Universitatea Transilvania Brașov, Facultatea de Industria Lemnului, Buletinul Conferinței, ISBN 973-635-599-3, Editura Universității Transilvania Brașov, p.37-40.
4. PETROVICI, V., **SALCA, E.**, GURAU, L., VARODI, M., SCURTU, E., BORZEA, I., MAIER, C. (2005). Noi aspecte privind caracterizarea unor rășini furanice cu întărire la rece fabricate în România. In: Proceedings, Conferința Națională Știința și Ingineria Lemnului în Mileniul III, Brașov, 4-5 Noiembrie 2005, Universitatea Transilvania Brașov, Facultatea de Industria Lemnului, Buletinul Conferinței, ISBN 973-635-599-3, Editura Universității Transilvania Brașov, p. 149-158.
5. **SALCA, E.** (2005). Considerații silviculturale asupra arinului. In: Proceedings, Conferința Națională Știința și Ingineria Lemnului în Mileniul III, Brașov, 4-5 Noiembrie 2005, Universitatea Transilvania Brașov, Facultatea de Industria Lemnului, Buletinul Conferinței, ISBN 973-635-599-3, Editura Universității Transilvania Brașov, p. 216-221.
6. **SALCA, E.**, FOTIN, A., CISMARU, M. (2005). Studiu asupra ciclului de viață al produselor. In: Proceedings, Conferința Națională – Cercetare- Dezvoltare în domeniul lemnului, București, 16-17 Iunie 2005, Buletinul Conferinței, ISBN 973-635-521-7, Editura Universității Transilvania Brașov, p.311-315.

Data 15.01.2024

Emilia-Adela SALCĂ

