



Universitatea
Transilvania
din Braşov
FACULTATEA DE DESIGN DE MOBILIER
ŞI INGINERIE A LEMNULUI

Str. Universităţii 1
500068 – Braşov
tel.: (+40) 372 910 037
f-dmil@unitbv.ro | <https://dmil.unitbv.ro/>

Lista lucrărilor publicate de către

Conf.dr.ing. Luminiţa-Maria BRENCI

1. Teza de Doctorat

BRENCI Luminiţa-Maria (2004) - *"Contribuţii la studiul construcţiei şi exploataării frezelor profilate pentru aşchierea lemnului"*. Universitatea Transilvania Braşov.

2. Monografii

1. Brenci, L.M. (2023) - Bazele prelucrării lemnului şi scule aşchietoare. Indrumar pentru aplicaţii practice. Editura Universităţii Transilvania Braşov, 179 pag. ISBN 978-606-19-1699-3
2. Brenci, L.M. (2020) - Desen tehnic în industria lemnului – Proiectarea 2D a mobilierul utilizând programul AutoCAD. Editura Universităţii Transilvania Braşov, 287 pag. ISBN 978-606-19-1319-0
3. Brenci, L.M., Coşereanu, C. (2019) – Modelarea 3D şi Tehnologia de Fabricaţie a Produselor de Mobilă. Editura Universităţii Transilvania Braşov, 465 pag. ISBN 978-606-19-1194-3
4. Cismaru, I., Miklos, I., Brenci, L.M. (2016) – Comisionariatul – Certitudinea dezvoltării şi siguranţei evoluţiei. Editura Universităţii "Transilvania" Braşov, 211 pag. ISBN 978-606-19-0754-0
5. Brenci, L.M. (2010) - Programarea calculatoarelor si limbaje de programare în industria lemnului: Statistică matematică aplicată, internet şi limbajul HTML. Editura Universităţii "Transilvania" Braşov, 170 pag. ISBN 978-973-598-805-0
6. Brenci, L.M. (2008) - Proiectarea şi programarea în industria lemnului asistată de calculator – proiectarea parametrizată. Vol. I. Editura Universităţii "Transilvania" Braşov, 180 pag. ISBN Carte 978-973-598-234-8, ISBN, Volum – 978-973-598-235-5



7. **Brenci, L.M.** (2005) – Frezarea profilată a lemnului. Construcția și exploatarea sculelor. Editura Universității "Transilvania" Brașov, 189 pag. ISBN 973-635-482-2

3. Lucrări publicate în reviste de specialitate

3.1. Reviste ISI

1. **Brenci, L.M., Gurău, L.** (2024) – A Stratified Characterization of Surface Quality of Beech Processed by Profile Milling. *Applied Sciences*, 14(1) 129; <https://doi.org/10.3390/app14010129>
2. Lungu, A., Ispas, M., **Brenci, L.M., Răcăsan, S., Coșereanu, C.** (2021) – Comparative Study on Wood CNC Routing Methods for Transposing a Traditional Motif from Romanian Textile Heritage into Furniture Decoration. *Applied Sciences-Basel*. 11(15), 6713. *wos:00068198970000*. <https://doi.org/10.3390/app11156713>, <https://www.mdpi.com/2076-3417/11/15/6713/htm>
3. Zeleniuc, O., **Brenci, L.M., Coșereanu, C., Fotin, A.** (2019) – Influence of Adhesive Type and Content on the Properties of Particleboard Made from Sunflower Husks. *BioResources* 14(3):7316–7331. DOI: 10.15376/biores.14.3.7316–7331
4. Georgescu, S.V., Coșereanu, C., Fotin A., **Brenci L.M., Costiuc, L.** (2019) – Experimental thermal characterization of timber frame exterior wall using reed straws as heat insulation materials. *Journal of Thermal Analysis and Calorimetry* 138:2505–2513. DOI: 10.1007/s10973-019-08325-2
5. **Brenci, L.M., Coșereanu, C., Zeleniuc, O., A., Georgescu, S.V., Fotin, A.** (2018) – Thermal conductivity of wood with ABS waste core sandwich composites subject to various core modification. *Bioresources Journal* 13(1): pp 555–568. ISSN: 1930–2126. Doi: 10.15376/biores.13.1.555–568
6. Coșereanu, C., **Brenci, L.M., Zeleniuc, O., Fotin, A.** (2015) – Effect of particle size and geometry of single-layer and three-layer particleboard made from sunflower seed husks. *BioResources Journal* 10(1):pp 1127–1136. ISSN: 1930–2126
7. Coșereanu C., Lăzărescu, C., Curtu, I., Lică, D., Sova, D., **Brenci, L.M., Stanciu, D.** (2010) – Research on new structures to replace polystyrene used for thermal insulation of buildings. *Revista Materiale Plastice*. Vol. 47(3) : pp 341–345. ISSN 0025-5289
8. Cosereanu, C., Curtu, I., Lunguleasa, A., Lica, D., Porojan, M., **Brenci, L., Cismaru, I., Iacob, I.** (2009) – Influence of synthetic and natural fibres on the characteristics of wood-textile composite. *Revista Materiale plastic*. No. 46(3): pp 305– 309. ISSN 0025-5289

3.2. Reviste BDI

1. **Brenci, L.M., Cosereanu, C., Olărescu, A., Ispas, M.** (2022) – Waste Management in Furniture and Wood Sector. *PRO LIGNO Journal* Vol 18(1): pp. 15–27. ISSN 1841–4737 (print), 2069–7430 (online)



2. Zeleniuc, O., Brenci, L., Spîrchez, C. (2017) – Evaluation of oriented strand boards behaviour on fire. PRO LIGNO Journal Vol. 13(4): pp:212-218. ISSN 1841-4737 (print), 2069-7430 (online)
3. Brenci L.M. (2016) – Eco-composites designed for thermal and acoustic insulation of buildings. Bulletin of the Transilvania University of Braşov Vol. 9 (58) No.2, pp: 45-52, ISSN 2065-2135 (Print), ISSN 2065-2143 (CD-ROM)
4. Fotin, A., Lunguleasa, A., Coşoreanu, C., Brenci, L.M. (2016) - Research on Using Plywood Made from Domestic Species of Wood for Longboard Manufacturing. PRO LIGNO Journal Vol. 12(3): pp 34-41. ISSN 1841-4737 (print), 2069-7430 (online)
5. Cismaru, I., Brenci, L.M. (2015) - Research pillar of trinomial tower – catalyst of sustainable development Jurnal. Review of General Management. Vol 21(1): pp 5-14. ISSN 1841-818X
6. Cismaru, I., Brenci, L.M. (2015) - The social pylon within the trinomial tower – logistic and managerial sustaining-element for evolution and development. Review of General Management. Vol 22(2): pp 39-54. ISSN 1841-818X
7. Brenci, L.M., Cismaru, I., Fotin, A., Zeleniuc, O. (2014) - The influence of ecological materials embedded into composite upon the thermal insulating capacity. PRO LIGNO Journal 10(4): pp 63-68. ISSN 1841-4737 (print), 2069-7430 (online)
8. Cismaru, I., Brenci, L.M. (2014) - Application of the commissionership system to wood industry-safe and sustainable development way. PRO LIGNO Journal 10(2): pp. 34-39. ISSN 1841-4737 (print), 2069-7430 (online)
9. Fotin, A. Brenci, L.M. (2014) - Research on the Optimum Embedment depth of the dowel pins into the particleboard joints. PRO LIGNO Journal 10(1): pp. 31-37. ISSN 1841-4737 (print), 2069-7430 (online)
10. Cismaru, I., Brenci, L.M. (2014) - Integration of the concession-system pylon into the trinomial tower – rapid and efficient path in development management. Review of General Management. 20(2):26-35.
11. Cismaru, I., Brenci, L.M. (2014) - Complex trinomial system-basis for the management of the socioeconomic development. Review of General Management 19(1):73-83. ISSN 1841-818X
12. Brenci, L.M., Coşoreanu, C., Cismaru, I., Fotin, A., Pop, M. (2013) – New Composite Structures Designed for Building Acoustic Insulation. PRO LIGNO Journal Vol. 9(4):pp 483-490. ISSN 1841-4737 (print), 2069-7430 (online)
13. Fotin, A., Cismaru, I., Coşoreanu, C., Brenci, L.M. (2013) - Influence of the processing parameters upon the birch wood surface. PRO LIGNO Journal 9(4): pp 760-770. ISSN 1841-4737 (print), 2069-7430 (online)
14. Brenci, L.M., Coşoreanu, C., Fotin, A., Vasilache, A. (2013) - Research on the Thermal Conductivity of Composites Made of Ecological Fibers. PRO LIGNO Journal 9(3): pp 34-41. ISSN 1841-4737 (print), 2069-7430 (online)
15. Fotin, A., Coşoreanu, C., Brenci, L.M. (2013) - Assessment of the Final Quality of the Sanded Surfaces in Case of Birch Wood. PRO LIGNO Journal 9(3): pp 13-25. ISSN 1841-4737 (print), 2069-7430 (online)



16. **Brenci, L.M.**, Coşereanu, C., Cismaru, I., Fotin, A. (2012) - Research of the behaviour of the MDF door frames after immersion in water. PRO LIGNO Journal 8(2): pp 80-88. ISSN 1841-4737 (print), 2069-7430 (online)
17. Ispas, M., **Brenci, L.**, Campean, M. (2011) - Experimental studies on the roughness of thermal wood machined by CNC. PRO LIGNO Journal 7(4): pp 59-70. ISSN 1841-4737 (print), 2069-7430 (online)
18. **Brenci, L.M.**, Cismaru, I., Coşereanu, C. (2011) - Experimental Research upon the Quality of the Sanded Surfaces of Some Decorative Composite Panels. PRO LIGNO Journal 7(2): pp 21-29. ISSN 1841-4737 (print), 2069-7430 (online)
19. Cismaru, I., Cismaru, M., Coşereanu, C., **Brenci, L.M.** (2010) - Processing the components with rotation surfaces having variable non-circular section on their length. PRO LIGNO Journal 6(3): pp 67-73. ISSN 1841-4737 (print), 2069-7430 (online)
20. Coşereanu, C., **Brenci, L.**, Lica, D (2009) - Testing the flatness of some composite panels designed for furniture manufacturing. PRO LIGNO Journal 5(1): pp 67-73. ISSN 1841-4737 (print), 2069-7430 (online)
21. **Brenci, L.**, Cismaru, I., Boieriu, C. (2008) - The Roughness of Wood Surfaces Interpreted Through Two Measuring Methods. PRO LIGNO Journal 4(3):67-74. ISSN 1841-4737 (print)
22. Boieriu, C., Cismaru, I., **Brenci, L.** (2008) - Testing the processing accuracy in wood industry part 2: testing possibilities – CaDesq. PRO LIGNO Journal 4(1):67-73. ISSN 1841-4737 (print)
23. **Brenci, L.**, Boieriu, C. (2007) - Testing the processing accuracy in wood industry part 1: measuring method and equipment. PRO LIGNO Journal 3(2): 67-77. ISSN 1841-4737 (print)

3.3. Reviste B+

1. **Brenci, L.**, Boieriu, C. (2007) - Milling of profiled wooden surfaces milling – Quality of processed surfaces Buletinul Universităţii Transilvania 14 (49), ISSN, 1223-9631
2. **Brenci, L.** (2006) - Identification methods of wood roughness profiled surfaces by using specific programs. Buletinul Institutului politehnic din Iasi, Universitatea Tehnica Gh. Asachi Tomul LII (LVI):995-998. ISSN 1001-2855, 2006, ISSN 1001-2855
3. **Brenci, L.** (2006) - Analyses methods of wood quality surface which obtained through profiled milling. Buletinul Institutului politehnic din Iasi, Universitatea Tehnica Gh. Asachi Tomul LII (LVI):999-1002. ISSN 1001-2855, 2006, ISSN 1001-2855
4. **Brenci, L.M.** (2006) - Research concerning the influence of cutter wear upon the quality of profiled wooden surfaces. PRO LIGNO Journal 2(1): 65-74. ISSN 1841-4737(print)

[Handwritten signature]

5. **Brenci, L., M. (2001)** - Computer aided design of the library with wood products depending on structure, destination and decorative elements. Buletinul Universității "Transilvania" Brașov, Vol: 8(43). ISSN 1223-9631
6. **Brenci, L., M. (2000)** - Computer-aided design of the library with details for furniture. Buletinul Universității "Transilvania" Brașov, Vol: 7(42). ISSN 1223-9631

4. Lucrări publicate în volumele conferințelor de specialitate

4.1. Conferințe cu Proceedings ISI

1. **Brenci, L.M., Cismaru, I., Cosoreanu, C., Fotin, A., (2012)** - The experimental research upon the quality of veneer obtained by slicing methods. 18th International Conference (KBO) Jun. 14-16-Sibiu, România. The knowledge-based organization: applied technical sciences and advanced military technologies, conference proceeding 3. Book Series: Knowledge Based Organization International Conference. pp: 29-33. ISSN: 1843-6722
2. **Fotin, A., Cismaru, I., Cosoreanu, C., Brenci, L.M. (2012)** - Study on the variation of sanded surface roughness of birch wood. 18th International Conference (KBO) Jun. 14-16-Sibiu, România - The knowledge-based organization: applied technical sciences and advanced military technologies, conference proceeding 3. Book Series: Knowledge Based Organization International Conference. pp: 54-59. ISSN: 1843-6722
3. **Cismaru, I., Brenci, L.M., Cosoreanu, C. (2011)** - Permanent testing of the processing accuracy – a basic component of technological management. The 7th International Conference Management of Technological Changes MTC, Septembrie 2011, Greece pp. 565-568. ISBN 978-960-99486-1-6 ISBN (Book 2) 978-960-99486-3-0
4. **Fotin, A., Cismaru, I., Cosoreanu, C., Brenci, L.M. (2011)** - Experimental research upon the roughness of the birch wood surfaces processed by straight milling. 17th International Conference (KBO) Nov. 24-26, Sibiu, România - The knowledge-based organization: applied technical sciences and advanced military technologies, Conference Proceeding 3. Book Series: Knowledge Based Organization International Conference pp: 63-68. ISSN 1843-6722
5. **Cosoreanu, C., Lica, D., Curtu, I., Lunguleasa, A., Cismaru, I., Brenci L.M., Fotin, A. (2010)** - Mechanical Testing of Beech Veneer Sandwich Composites. The 7th International Conference of DAAAM Baltic Industrial Engineering, 22-24th Aprilie 2010, Tallinn, Estonia, pp. 0417-0422. ISSN 2346-6138
6. **Fotin, A., Cismaru, I., Cismaru M., Cosoreanu, C., Brenci L.M., Curtu, I. (2010)** - The Tool Influence on the Quality of Birch Wood Straight Milled Surfaces. The 7th International Conference of DAAAM Baltic industrial engineering, 22-24th Aprilie 2010, Tallinn, Estonia, pp. 0269-0274. ISSN 2346-6138
7. **Brenci, L., Cismaru, I., Cosoreanu, C., Curtu, I., Lica, D., Fotin, A. (2010)** - The influence of the profiled milling parameters to the Quality of the surfaces. The 20th

4.2. Conferințe internaționale

1. Cosereanu, C., **Brenci, L.M.**, Fotin A. (2013) - Intarsia - Metode moderne de prelucrare. Conferința Internațională a Academiei Oamenilor de Știință din România, Brașov., pp. 159-168. ISSN 2068-4096
2. ISBN 978-973-0-15480-1
3. Fotin, A., Cismaru, I., **Brenci, L.M.** (2013) - Cercetări asupra calității șlefuirii suprafețelor de mesteacăn. Conferința Internațională a Academiei Oamenilor de Știință din România, Brașov. pp. 169 – 182. ISSN 2068-4096 ISBN 978-973-0-15480-1
4. **Brenci, L.M.**, Coșereanu, C., Fotin, A. (2012) - Experimental Research concerning the wear of Milling edges upon the quality of wood surfaces. AFASES 2012, The 14th International Conference of Scientific Papers „SCIENTIFIC RESEARCH AND EDUCATION IN THE AIR FORCE”, May 26-28, 2012. pp 653-658. ISSN 2247– 3173 ISSN-L 2247-3173
5. Coșereanu, C., Cismaru, I., **Brenci, L.M.** (2012) - Study on the quality of the surfaces in case of mixed wood panels. AFASES 2012, The 14th International Conference of Scientific Papers „Scientific Research and Education in the Air Force”, May 26-28, 2012, Brasov, pp. 665-670 ISSN 2247– 3173 ISSN-L 2247-3173
6. Fotin, A., Cismaru, I., M. Marthy, , **Brenci, L.** , Coșereanu C. (2011) - Experimental research concerning the power consumption during the sanding process of birch wood. AFASES 2012, The 14th International Conference of Scientific „ Scientific Research and Education in the Air Force”, 26-28 May 2011, Brașov, pp. 771-778. ISSN 2247– 3173 ISSN-L 2247-3173
7. Fotin, A., Cismaru, I., Cosereanu, C., **Brenci, L.M.** (2011) - Experimental research upon the roughness of the birch wood surfaces processed by straight milling. The 17th International Conference Knowledge- Based Organisation, 26-26 November., pp. 63-68
8. Cismaru, I., **Brenci, L.M.**, Coșereanu, C. (2011) - Testing the processing accuracy as a basic component of the technological management. Wood Science and Engineering in Third Millennium, 8th Edition, November 3-5, 2011, Transilvania University of Brasov, pp 587 – 594. ISSN1843-2689
9. **Brenci, L.M.**, Coșereanu, C., Cismaru, I., Fotin, A. (2011) - Study on the quality of the veneers surfaces obtained through slicing. Conferința Internațională Wood Science and Engineering in Third Millennium, 8th Edition, November 3-5, 2011, Transilvania University of Brasov, pag 239 – 244. ISSN1843-2689
10. **Brenci, L.M.** (2011) - Study on the quality of the profiled woodem surfaces. Conferința Internațională Wood Science and Engineering in Third Millennium, 8th

Edition, November 3-5, 2011, Transilvania University of Brasov, pag 233 – 238.
ISSN1843-2689

11. **Brenci, L.** (2009) - Quality of profiled milling surfaces. ICWSE Wood Science and Engineering in Third Millennium, 7th Edition, June 4-6, 2009, Transilvania University of Brasov, pp 241 – 246. ISSN 1843-2689
12. **Brenci, L., Cismaru I., Coşereanu, C.** (2009) - Quality of beech veneer analyzed by comparison the roughness results obtained by using different measuring methods. Internațională ICWSE Wood Science and Engineering in Third Millennium, 7th Edition, June 4-6, 2009, Transilvania University of Brasov, pp. 247 – 252. ISSN 1843-2689
13. **Brenci, L., M.** (2007) - Defining the quality indicator of wood profiled surfaces. International Conference Wood Science and Engineering in third millenium, Braşov 2007, pp. 225-228. ISSN 1843-2689
14. **Brenci, L., M.** (2007) - Programs for determined the roughness surfaces of wood profiled pieces. International Conference Wood Science and Engineering in third millenium, Braşov 2007, pag 463-466. ISSN 1843-2689
15. Boieriu, C., Curtu, I., Lica, D., **Brenci, L.** (2007) - New composite materials for furniture design. International Conference Materialy sesji naukowej, Badania Dla Meblarstwa, Poznan, Polonia. pp. 7-ISBN 978-83-89887-89-4
16. Boieriu, C., **Brenci, L., M.** (2007) - Dimensional and shape quality control. COST E 53 Quality Control for wood and wood products, Polonia, pp. 17-20. ISBN 978-83-7244-904-7
17. **Brenci., L.,M., Mihailescu, T** (2004) - A computer aided investigation of the processing accuracy of the finger joints. Wood Science and Engineering in third millenium, Braşov, pp. 274-277. ISBN 973-635-385-0
18. Laurenzi, W., Popa, V., **Brenci, L., M** (2003) - Modelarea matematică prin experimentul preliminar. Analiza dispersională multifactorială. Conferința Internațională Tehnologii Moderne, Calitate, Restructurare, Chişinău, pp. 448-451. ISBN 9975-9748-4-8
19. Comşa, G., Laurenzi, W., **Brenci, L., M** (2003) - Modernizarea tehnologiilor de fabricație a panourilor de parchet stratificat cu ajutorul calculatorului. Conferința Internațională Tehnologii Moderne, calitate, Restructurare, Chişinău, pp. 337-340. ISBN 9975-9748-3-X
20. **Brenci, L., M.** Laurenzi, W., Comşa, G (2003) - Tehnici de proiectare asistată a capetelor de frezat pentru prelucrarea lemnului. International Conference Tehnologii Moderne, calitate, Restructurare, Chişinău, pp. 337-340. ISBN 9975-9748-3-X
21. Comşa, G., Laurenzi, W., Popa, V., **Brenci, L.** (2003) - Establishing Drying Schedules by mean of computer. 8th International IUFRO Wood Drying Conference, Braşov 2003, pp. 207-310. ISBN 973-635-198-X
22. **Brenci, L., M., Laurenzi, W** (2002) - Computer aided design of milling cutter. Wood Science and Engineering in third millenium, Braşov, pp. 283-287. ISBN 973-636-078-9

23. Laurenzi, W., Popa, V., **Brenci, L.** (2002) - Monitoring of the cutting process sawblades. Wood Science and Engineering in the third Millennium November, Brasov, pag. 145-150. ISBN 973-636-078-9
24. **Brenci, L., M.** (2001) - Determined the profile milling cutter, starting of elementary profile pieces by using the compute. International Conference "Trends of wood working, forrest and environmental technology development and their application in manufacturing process", Secțiunea 3, Zvolen 2001, pp.33-37. ISBN 80-228-1055-2
25. Laurenzi, W., Popa, V., Mihăilescu, T. Comșa, Ghe., **Brenci, L, M (2001)** - Computer gestuzzles zur messung und auffnahme einiger parameter des schinithrozesses bei kreissagen. International Conference "Trends of Wood Working, Forest and Environmental Technology development and their applications in manufacturing process" – Zvolen 2001, pp. 153-158. ISBN 80-228-1058-4
26. **Brenci, L,M.,** Laurenzi, W., Comșa, Ghe (2001) - Tehnici și metode de proiectare asistată a profilelor din lemn folosind limbajul AutoLISP. International Conference Wood Science and Engineering in third millenium, Brașov, pp. 273-278. ISBN 973-8124-67-0
27. Comșa, G., Laurenzi, W., **Brenci, L., M.** (2001) - Optimizarea costurilor de producție ale panourilor de parchet stratificat prin utilizarea programelor de calculator. International Conference Wood Science and Engineering in third millenium, Brașov, pp. 287-294. ISBN 973-8124-67-0
28. Laurenzi, W., Popa, V., Mihăilescu, T., Comșa, Ghe., **Brenci, L,M (2001)** - Studiul influenței unor factori asupra procesului de tăiere cu pânza circulară prin simulare pe calculator. International Conference Wood Science and Engineering in third millenium, Brașov, pp. 287-294. ISBN 973-8124-67-0

Brașov,

05.03.2024

Conf.dr.ing. Luminita-Maria BRENCI

