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Title: Composites Made from Recycled Agricultural and Industrial Wastes

Domain: FORESTRY ENGINEERING

PUBLICATIONS LIST

RELEVANT PAPERS

1. **Cosoreanu, C.**, Brenci, L.M., Zeleniuc, O., Fotin, A. (2015). *Effect of Particle Size and Geometry on the Performance of Single-layer and Three-layer Particleboard Made from Sunflower Seed Husks*, BioResources 10(1), 1127-1136, ISSN: 1930-2126. **Factor de impact =1.549. Scor relativ de influență = 1.810.**
2. **Cosoreanu, C.**, Curtu, I., Lunguleasa, A., Lica, D., Porojan, M., Brenci, L.M., Cismaru, I., Iacob, I. (2009). *Influence of Synthetic and Natural Fibers on the Characteristics of Wood-Textile Composites*, Materiale Plastice 46(3), 305 – 309, ISSN 0025-5289. **Factor de impact = 0; Scor relativ de influență = 0 (în anul 2009).**
3. **Cosoreanu, C.**, Lăzărescu, C., Curtu, I., Lica, D., Șova, D., Brenci, L.M., Stanciu, M.D., (2010). *Research on New Structures to replace Polystyrene used for Thermal Insulation of Buildings*. Mase Plastice 47(3), 341 – 345, ISSN 0025-5289. **Factor de impact = 0; Scor relativ de influență = 0 (în anul 2010). Articolul a fost citat în 3 reviste ISI.**
4. Curtu, I., Stanciu, M.D., **Coșoreanu, C.**, Ovidiu, V. (2012). *Assessment of acoustic properties of biodegradable composite materials with textile inserts*, Materiale Plastice 49(1), 68-72, ISSN: 0025-5289. **Factor de impact = 0.379; (în anul 2012).**
5. **Coșoreanu, C.**, Budău, G., Lica, D., Lunguleasa, A., Gheorghiu, C.R. (2011). *Technological Potential of Reed as Biomass for Briquetting*, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL 10(8), 1127-1132, ISSN 1582-9596. **Factor de impact = 1.004; (în anul 2012), Scor relativ de influență = 0.142 (în anul 2013).**
6. Olărescu, C., Campean, M, Ispas, M., **Cosoreanu, C.** (2014). *Effect of thermal treatment on some properties of lime wood*, EUR J WOOD WOOD PROD 72, 559-562, ISSN: 0018-3768. **Factor de impact =1.105. Scor relativ de influență = 1.603.**
7. Stanciu, M.D., Curtu, I., **Cosoreanu, C.**, Lica, D. (2015). *Soundproofing Performance Evaluation of Panels Made of Fibers of Acrylonitrile Butadiene Styrene Copolymer (ABS)*, Procedia Technology vol. 19, 8th International Conference Interdisciplinarity in Engineering, INTER-ENG 2014, 9-10 October 2014, Târgu Mureș, BDI: Google Scholar, ISSN: 2212-0173.
8. **Coșoreanu, C.**, Lazarescu, C., (2013). *Determination of the Water Resistance of the Wood Textile Reinforced Composites*, ProLigno Vol.9 Nr.4, 477-482, BDI: CABI, ISSN: 2069-7430. **Lucrare citată în BioResources cu factor de impact =1.549 și scor relativ de influență = 1.810**
9. **Coșoreanu, C.**, Lica, D., (2014). *Wood - Plastic Composites from Waste Materials Resulted in the Furniture Manufacturing Process*, PRO LIGNO Vol.10, nr. 2, 26-33, BDI: CABI, ISSN: 2069-7430.
10. **Cosoreanu, C.**, Buhu, L., Avram, D, Racu, C, Iacob, I., Buhu, A., (2010). *Conceptual Models of Textile Reinforced Biodegradable Composites Used in Ambiental Products*, Singipedia/ Unitech 10 Gabrovo - International Scientific Conference, 19-20 November 2010, p.318-322. BDI: Google Scholar.

PhD THESIS

1. Boieriu (Musteață) Camelia (2006). *Contribuții la studiul panourilor reconstituite decorative, din lemn masiv de foioase, folosite în decorațiuni interioare și mobilier./ Contributions to the study of the finger-jointed panels made from hardwood species with applications for furniture and interior arrangement* (in English), Universitatea Transilvania Brașov; Coordonator: prof.dr.ing. Valentin Năstase.

PATENTS

Patents published on ISI Web of Knowledge:

1. (2014), Process for increasing thermal power of sawdust briquettes, sorting sawdust and ensilaging into silage, treating within torrefaction installation, drying, storing sawdust into silage, and briquetting in briquetting machine, nr. B:RO129646-A0. Nr. autori: 3
2. (2013), Ecological Briquettes, has chips of comminuted reed material and free of adhesive or other chemical additives, nr. B:RO128746-A0. nr. autori: 4
3. 2012) Manufacturing method of ECOLOGICAL PLYWOOD comprises three technical veneer layers, nr. B:RO127158-A0, nr. autori: 9
4. (2012) Low, medium and high density thermally insulating composite boards for the construction field and process for carrying out the same nr. B:RO127189-A0, nr. autori:9

BOOKS / BOOK CHAPTERS

1. **Boieriu, C.**, Lica, D., Curtu, I. 2008. Composite mixed wood panels. Structures. Characteristics, DAAAM International Scientific Book, Chapter 8, pp. 85-100. (I = 16/2*3)
2. Lica, D., **Boieriu, C.**, 2005. Proiectarea, fabricarea și fiabilitatea mobilei, Editura Universității Transilvania Brașov, ISBN:973-635-188-2, 160 pagini. (I=160/5*2)
3. Cismaru, I., Cismaru, M., Fotin, A., Boieriu, C., 2005. Proiectarea tehnologică în I.L. - Baza de date - Prelucrare la formă și dimensiuni - vol.I. Editura Universității Transilvania Brașov ISBN:973-635-530-6, 206 pagini. (I=160/5*4)
4. Cismaru, I., Cismaru, M., Fotin, A., **Boieriu, C.**, 2006. Proiectarea tehnologică în I.L. – Tehnologii de prelucrare a elementelor din lemn masiv - Prelucrare la formă și dimensiuni - vol.II Editura Universității Transilvania Brașov ISBN (10) 973-635-531-4, ISBN (10) 973-635-679-5, ISBN (13) 978-973-635-679-7, 597 pagini. (I=160/5*4)
5. **Boieriu, C.**, 2007. Panouri compozite lignocelulozice. Panouri din lamele de lemn masiv, Editura Universității “Transilvania” din Brașov ISBN: (10) 973-635-843-7, (13) 978-973-635-843-2, 173 pagini. (I=173/5*1)
6. Cismaru, I., Cismaru, M., Fotin, A., **Boieriu, C.**, 2007. Proiectarea tehnologică în industria lemnului - Prelucrarea la formă și dimensiuni- complexe din lemn masiv, complexe de tip panou cu canturi nemasivuite - vol III, Editura Universității „Transilvania” Brașov, ISBN: 978-973-635-531-4 si 978-973-635-935-4 340 pagini. (I=340/5*4)
7. Cismaru, I., Cismaru, M., Fotin, A., **Boieriu, C.**, 2008. Proiectarea tehnologică în industria lemnului - Prelucrarea la formă și dimensiuni- Tehnologii de prelucrare a complexelor de tip panou cu canturi masivuite - vol IV, ISBN 978-973-635-531-4 si 978-973-635-936-1, Editura Universității „Transilvania” Brașov, 563 pagini. (I=563/5*4)
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11. Lica, D., **Coșoreanu, C.**, 2013. Tehnologia mobilierului tapițat Editura Universitatii Transilvania din Brasov ISBN: 978-606-19-0283-5, 270 pagini. (I=270/5*2)
12. **Coșoreanu, C.**, Spîrchez, G.C., 2014. Aplicații în managementul calității totale, Editura Lux Libris, ISBN: 978-973-131-303-0, 146 pagini. (I=146/5*2)
13. Iacob, I., Racu, C., Mareș, M.A., Buhu, L., Buhu, A., 2011. Compozite (bio)degradabile cu inserții textile pentru produse ambientale ecologice/ Cap.1. Materiale compozite. Generalități, Editura Performantica, Institutul National de Inventica, Iași, ISBN: 978-973-730-886-3, nr.autori Capitol 1= 9, 32 pagini. (I=32/5*9)
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1. Diaconu, C.P., Stanciu, M.D., Curtu, I., Doșa, A., Grosaru, F.A., Coșoreanu, C. (2014), Modern Building Structures Used for Military Purposes, Journal of Defense Resources, 117-122, ISSN: 2068-9403.
2. Coșoreanu, C., Cismaru, I., (2014), Complex Ornament Machining Process on a CNC Router, PRO LIGNO Vol. 10, nr. 1, BDI: CABI, 22-30, ISSN: 2069-7430.
3. Coșoreanu, C., Lica, D., (2014), Wood - Plastic Composites from Waste Materials Resulted in the Furniture Manufacturing Process, PRO LIGNO Vol.10, nr. 2, 26-33, BDI: CABI, ISSN:2069-7430;
4. Lica, D., Coșoreanu, C., (2014) Investigation on the Properties of Pedunculate Oak Wood Affected by Oak Decline, PRO LIGNO 2014 Vol. 10, nr. 4, 69-78, BDI: CABI, ISSN: 2069-7430.
5. Coșoreanu, C., Lica, D., Curtu, I., Stanciu, M.D., (2014), Water Resistance of Wood - Plastic Composites Made from Waste Materials Resulted in the Furniture Manufacturing Process, PRO LIGNO 2014 Vol. 10, nr. 4, 35-39, BDI: CABI, ISSN: 2069-7430.
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7. Brenci, L.M., Cosoreanu, C., Cismaru, I., Fotin, A., Pop, M. (2013), New Composite Structures Designed for Building Acoustic Insulation ProLigno Vol.9 Nr.4, 483-490, BDI: CABI, ISSN:2069-7430.
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11. Cosoreanu, C., Lazarescu, C., Olărescu, C., Laurenzi, W., (2012) Ecological Solutions for Low Energy Building Walls, PRO LIGNO 2012 Vol. 8, nr. 1, 28-34, BDI: CABI, ISSN: 2069-7430.
12. Lica, D., Coșoreanu, C., Budău, G., Lunguleasa, A., (2012), Characteristics of Reed Briquettes – Biomass Renewable Resource of the Danube Delta, PRO LIGNO Vol. 8, nr. 1, 44-51, BDI: CABI, ISSN: 2069-7430, I= (15/4) * 1
13. Olărescu, C., Coșoreanu, C., (2011), Research on the Thermal Insulation Potential of Some Composites Made of Biodegradable Materials, PRO LIGNO 2011, Vol. 7, Nr. 3, 54-58, BDI: CABI, ISSN: 2069-7430.
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16. Brenci, L., Cismaru, I., Boieriu, C., (2008), The roughness of wood surfaces interpreted through two measuring methods, PRO LIGNO 2008, Vol. 4, Nr. 3, BDI: Google Scholar, ISSN: 2069-7430.
17. Boieriu, C., Cismaru, I., Brenci, L. (2008), Testarea preciziei de prelucrare in Industria lemnului. Partea a 2-a. Posibilitati de testare CADESQ. PRO LIGNO Vol. 4, nr. 1, BDI: Google Scholar, ISSN: 2069-7430.
18. Coșoreanu, C. Brenci, L, Lica, D., (2009), Testing the Flatness of Some Composite Panels Designed for Furniture Manufacturing, PRO LIGNO Vol. 5, nr. 1, BDI: Google Scholar, ISSN:2069-7430.
19. Lica, D., Cosoreanu, C. (2009), Influence of the Pathological Drying of Pedunculate Oak Wood (*Quercus robur* L.) Upon Its Structure, PRO LIGNO Vol. 5, nr. 1 BDI: Google Scholar , ISSN: 2069-7430.
20. Lunguleasa, A., Budău, G, Cosoreanu, C., (2010) Density And Compression Strength Of Beech And Spruce Briquettes, PRO LIGNO 2010 Vol. 6, nr. 3, BDI: Google Scholar, ISSN: 2069-7430.
21. Cosoreanu, C., Buhu, L., Avram, D, Racu, C, Iacob, I., Buhu, A., (2010) Conceptual Models of Textile Reinforced Biodegradable Composites Used in Ambiental Products, p.318-322 Singipedia/ Unitech 10 Gabrovo - International Scientific Conference, 19-20 November 2010 BDI: Google Scholar.
22. Stanciu, M.D., Curtu, I., Cosoreanu, C., Lica, D. (2015) Soundproofing Performance Evaluation of Panels Made of Fibers of Acrylonitrile Butadiene Styrene Copolymer (ABS) Procedia Technology vol. 19, 8th International Conference Interdisciplinarity in Engineering, INTER-ENG 2014, 9-10 October 2014, Târgu Mures, BDI: Google Scholar, ISSN: 2212-0173.
23. Coșoreanu, C, Cismaru, I., Brenci, L (2012) Study on the quality of the surface in case of mixed wood panels revista:Scientific Research & Education in the Air Force-AFASES 1; BDI: Google Scholar, ISSN: 2247-3173.
24. Brenci, L.M, Coșoreanu, C., Fotin, A., (2012), Experimental research concerning the wear of the milling edges upon the quality of wood surfaces, Scientific Research & Education in the Air Force-AFASES 1, BDI: Google Scholar, ISSN: 2247-3173.
25. Stanciu, M.D., Curtu, I., Cosoreanu, C., Vasile, O, Olărescu, C., (2011) Evaluation of Absorption Coefficient of Biodegradable Composite Materials with Textile Inserts, Romanian Journal of Acoustics & Vibration 8 (2), BDI: Google Scholar, ISSN: 1584-7284.
26. Stanciu, M.D., Curtu, I., Coșoreanu, C, Itu, C., (2009), New concept about stiffness of guitar soundboard based on golden section numbers, 3th International Research/Expert

- Conference "Trends in the Development of Machinery and Associated Technology" TMT 2009, Hammamet, Tunisia, BDI: Google Scholar, ISSN: 1840-4944.
27. Fotin, A., Cismaru, I., Matyas, Marthy, Brenici, L., Cosoreanu, C. (2011), Experimental research concerning the power consumption during the sanding process of birch wood revista: International conference of scientific paper, AFASES 2011, 26-28 mai 2011, Braşov, BDI: Google Scholar, ISSN: 2247-3173. I= (15/5) * 1
28. Stanciu, M.D., Curtu, I., Terciu, O., Savin, A., Cosoreanu, C. (2011) Evaluation of acoustic attenuation of composite wood panel through nondestructive test, Annals of DAAAM for 2011 & Proceedings of the 22-nd International DAAAM Symposium, Volume 22, No. 1, BDI: Google Scholar, ISSN: 1726-9679.
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32. Stanciu, M.D., Curtu, I., Cosoreanu, C., Lica, D., Nastac, S. (2012) Research regarding acoustical properties of recycled composites, Proceedings of 8th International DAAAM Baltic Conference "Industrial Engineering", (April, 2012) BDI: Google Scholar, ISSN: 2346-6138.
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1. C. Boieriu, I. Curtu, D. Lica – SOME ASPECTS REGARDING THE DEFORMATION OF THE COMPOSITE PANELS MADE OF BEECH AND MAPLE WOOD LAMELLAS, TEHNONAV International Conference Mechanical, Industrial and

- Maritime Engineering Faculty, "Ovidius" University of Constanta, 19-21 May 2006, CD Proceedings, ISBN 973-614-307-4, 978-973-614-306-6.
2. Stanciu, M., Curtu, I., Baba, M., Boieriu, C. – FUNCTIONAL AND CONSTRUCTION PARTICULARITIES OF THE SHIPS FURNITURE, TEHNONAV International Conference Mechanical, Industrial and Maritime Engineering Faculty, "Ovidius" University of Constanta, 19-21 May 2006, CD Proceedings, ISBN 973-614-307-4, 978-973-614-306-6.
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 4. Ciofoaia, V., Curtu, I., Boieriu, C., Stanciu, M., – ASPECTS REGARDING THE CORRELATION STRESSES-STRAINS OF THE GLUED FINGER-JOINTS, Constanta Maritime University, MECSOL, 2006, ISSN 1582-3601, pag.199-202.
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 6. C. Boieriu, D. Lica, I. Curtu – THEORETICAL MODEL AND EXPERIMENTAL RESEARCH ON THE BENDING STIFFNESS OF SOME LIGNIN-CELLULOSE BASED COMPOSITE PANELS, Composite Wood Materials – VI-th International Symposium, Zvolen, 21-23 June 2006, pag. 79-83, ISBN 80-228-1169-6.
 7. C. Boieriu, D. Lica, A. Fotin – ASPECTS REGARDING THE DEFORMATION OF THE LIGNIN-CELLULOSE BASED PANELS IN AGGRESSIVE ENVIRONMENT, 10th International Research/Expert Conference "Trends in the Development of Machinery and Associated Technology", TMT 2006, Barcelona-Lloret de Mar, Spain, 11-15 September, 2006 , pag.1115-1118, ISBN 9958-617-30-7.
 8. C. Boieriu, M. Botis, D. Lica – THE INFLUENCE OF THE LAMELLA WIDTH ON THE STIFFNESS OF THE LIGNIN-CELLULOSE BASED PANELS, 10th International Research/Expert Conference "Trends in the Development of Machinery and Associated Technology", TMT 2006, Barcelona-Lloret de Mar, Spain, 11-15 September, 2006 , pag.1151-1154, ISBN 9958-617-30-7.
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 13. Stanciu, M., Curtu, I., Boieriu, C., Popoi, A. – Specific Structures of the Ship Furniture – Materialy XX sesji naukowej Badania dla Meblarstwa, pod redakcja Jerzego Smardzewskiego, Poznan, 2007, pp.17-28, ISBN 978-83-89887-89-4.

14. Boieriu C, Brenci L. – Dimensional and Shape Quality Control. Modern Equipment. Proceedings of COST E 53 Conference – Quality Control For Wood and Wood Products, pag. 17-20, ISBN 978-83-7244-904-7, Warsaw, Polonia 2007.
15. Boieriu C, Curtu, I., Lica, D., Stanciu, M., Popoi, A., –Theoretical Research on the Influence of the Interface Wood-adhesive on the Stiffness of the Composite Panels made of Wood Lamellas. Proceedings of the 13th International Conference on Experimental Mechanics, Alexandroupolis, Greece, July 1-6, 2007, pag. 127-128, ISBN 978-1-4020-6238-4 (HB), ISBN 978-4020-6239-1 (e-book).
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18. Boieriu C, Curtu I., Timar M.C., Lica D. – Quality of Finished Surfaces for Lignin-Cellulose Based Materials - ISI Proceedings of the 19-th International DAAAM Symposium "Intelligent Manufacturing & Automation: Focus on Next Generation of Intelligent Systems and Solutions", Trnava, Slovakia, 22-25 October 2008, ISSN 1726-9679, pag.0137-0138, Thomson Scientific- Institute for Scientific Information (articol ISI) .
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