INFORMAII PERSONALE

LUNGULEASA Aurel

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Sexul Masculin | Data naşterii | Nationalitatea Româna

EXPERIENA PROFESIONALĂ

1985-in prezent -Cadru didactic universitar; Universitatea Transilvania din Brasov, Brasov, Invatamant universitar

1983-1985 -Inginer productie, Combinatul de Prelucrarea Lemnului, Drobeta Tr Severin, Inginer sef de atelier intr-o fabrica de mobila

EDUCATIE ŞI FORMARE

1990-1999 -Doctorat in Ingineria lemnului, Universitatea Transilvania din Brasov, Materiale compozite

1978-1983- Universitatea din Brasov, Facultatea de Industrializarea lemnului, Brasov, Diploma de Inginer IL

1972-1977 - Liceul 2 „Decebal", Drobeta Tr Severin, Industrializarea lemnului, Diploma de bacalaureat

COMPETENTE PERSONALE

Limba(i) maternă(e) Româna

Alte limbi străine cunoscute

	INTELEGERE		VORBIRE		SCRIERE
	Ascultare	Citire	Participare la conversa ie	Discurs oral	
Engleza	B2	B2	B2	B2	B2
	Certificat Universitatea Transilvania din Brasov				
Franceza	A1	A1	A1	A1	A1

Competențe de comunicare

- bune competente de comunicare dobândite la admitere universitate 1998-2009

Competente organizationale/manageriale

- director colegiu universitar 4 ani
- secretar stiintific catedra de Prelucrarea lemnului, 8 ani;
- responsabil controlul calitatii intr-un laborator acreditat RENAR, 3 ani

Competente dobândite la locul de muncă

- o bună cunoaştere a proceselor de control managerial, în prezent fiind responsabil cu controlul managerial si riscuri pe facultate;
- o buna cunoastere a didacticii si metodicii specialitatii, in prezent fiind responsabil cu gradele preuniversitare I si II

Competentă digitală

AUTOEVALUARE				
Procesarea informatiei	Comunicare	Creare de conținut	Securitate	Rezolvarea de probleme
Utilizator independent	Utilizator independent	Utilizator independent	Utilizator independent	Utilizator independent

- o bună stăpânire a programelor de birou, precum procesare de text, calcul tabelar, software pentru prezentări, etc

Permis de conducere B

INFORMATII SUPLIMENTARE

Publicatii -18 carti, 48 lucrari ISI, 22 lucrari BDI, 7 brevete de inventie si 8 descrieri de inventie OSIM
Prezentări- 2 prezentari ca speaker la conferinte internationale
Proiecte -1 director proiect CNCSIS, 1 membru proiect FP7, 4 ca membru in proiecte nationale
Conferinte -peste 50 de conferinte
Seminarii -
Distinctii -
Afilieri -Asociatia generala a inginerilor din Romania AGIR
Referinte -
Citări -peste 50 citari in lucrari ISI si BDI
Cursuri - 1 curs de robotica, 2 cursuri de auditori calitate
Certificări -Auditor calitate

A. Carti si manuale

1. Lunguleasa A. *Calitatea produselor lemnoase*, 2015 Editura Lux Libris, Brasov, ISBN 978-973-131-315-3. 165 pag.
2. Lunguleasa A. *Creativitate in tehnica compozitelor lignocelulozice*, 2014, Editura Lux Libris, Brasov, 199 pag, ISBN 978-973-131-272-9.

3. Lunguleasa A – *Semifabricate din lemn*, Editura Universitatii Transilvania din Brasov, CD, pag 207, Brasov, 2012, ISBN 978-606-19-0050-3.
4. Lunguleasa A- *Compozite stratificate*, Editura Universitatii Transilvania din Brasov, pag 168, Brasov, 2012, ISBN 978-606-19-0051-0.
5. Lunguleasa A- *Compozite obtinute prin stratificare*, Editura Universitatii Transilvania din Brasov, CD, pag 181, Brasov, 2012, ISBN 978-606-19-0052-7.
6. Lunguleasa A – *Materiale compozite obtinute din biomasa lemnoasa*, Editura Universitattii Transilvania Brasov, 2009, ISBN 978-973-598-486-1, 122 pag.
7. Lunguleasa A, Ciobanu V, Costiuc L – *Ecological combustion of wooden biomass*, Editura Universitatii Transilvania din Brasov, 2008, 141 pag, ISBN 978-973-598-384-0.
8. Lunguleasa A., Costiuc L., Patachia S., Ciobanu V. – *Combustia ecologica a biomasei lemnoase,* 134 pagini, Editura Universitatii Transilvania, Brasov, 2007, ISBN 978-973-598-194-5.
9. Lunguleasa A. – *Managementul calitatii biomasei lemnoase*, 180 pag, Editura Universitatii Transilvania, Brasov, 2008, ISBN 978-973-598-217-1.
10. Lunguleasa A. - *Wood Physics and mechanics*, Transilvania University Press, Brasov, pp. 129, 2007, ISBN 978-973-598-128-0.
11. Lunguleasa A. - *Placi din aschii de lemn. Calcule tehnologice*, Transilvania University Press, Brasov, pp 128, 2007, ISBN 978-973-598-100-6.
12. Lunguleasa A. – *Semifabricate I - Tehnologia cherestelei si a furnirelor estetice*, Tipografia Universitatii Transilvania, 76 pagini, Brasov, 2004.
13. Lunguleasa A. – *Anatomia si mecanica lemnului*, Tipografia Universitatii "Transilvania", Brasov, 106 pagini 2004.
14. Lunguleasa A. – *Semifabricate II. Tehnologia produselor stratificate si aglomerate din lemn*, Editura Universitatii Transilvania, Brasov, 2005, ISBN 973 – 635 – 440, 106 pagini.
15. Lunguleasa A., Pescaruş P. - "*Studiul lemnului. Fizica şi mecanica lemnului*", Editura Universită ii Transilvania, Braşov, 2000, 105 pag, ISBN 973-9474-59-4.
16. Lunguleasa A. - "*Physics and mechanics of the wood*", Editura Universită ii Transilvania, Braşov, 2001, 134 pag, ISBN 973-8124-33-6.
17. Lunguleasa A. - "*Studiul lemnului şi managementul calităţii acestuia*", Editura Universită ii Transilvania, Braşov, 2002, 295 pag, ISBN 973-635-033-9.
18. Lunguleasa A. - "*Identificarea lemnului*", Editura Universită ii Transilvania din Braşov, 2003, 64 pag, ISBN 973-635-156-4.

ARTICOLE ISI (extras)

1. Spirchez, C., and Lunguleasa, A. (2022). "Torrefaction of spruce, beech, and oak pellets in order to improve calorific value," BioResources 17(4), 6804-6817.
2. Balea (Paul) G, Lunguleasa A, Zeleniuc O, Coşereanu C. Three Adhesive Recipes Based on Magnesium Lignosulfonate, Used to Manufacture Particleboards with Low Formaldehyde Emissions and Good Mechanical Properties. Forests. 2022; 13(5):737. https://doi.org/10.3390/f13050737
3. Lunguleasa A, Spirchez C, Olarescu AM. Calorific Characteristics of Larch (Larix decidua) and Oak (Quercus robur) Pellets Realized from Native and Torrefied Sawdust. Forests. 2022; 13(2):361. https://doi.org/10.3390/f13020361
4. Lunguleasa A, Dumitrascu A-E, Spirchez C, Ciobanu V-D, Influence of the strand characteristics on the properties of oriented strand boards obtained from resinous and broad-leaved fast-growing species, Aplied Sciences Volume 11 Issue 4, 2021, Appl. Sci. 2021, 11(4), 1784; https://doi.org/10.3390/app11041784.
5. Lunguleasa A, Ayrilmis N, Sova D, Spirchez C, Selected properties of briquettes made from blends of bamboo and beech biomass, Turkish Journal of Agriculture and Forestry, Turk J Agric For (2021) 45: 389-401 © TÜBİTAK doi:10.3906/tar-2101-7

6. Spirchez C, Lunguleasa A, Matei M (2018) Particularities of hollow-core briquettes obtained out of spruce and oak wooden waste, Maderas-Ciencia y Tecnologia, 20(1):139-152, ISSN 0718-221x.
7. Dumitraşcu R, Lunguleasa A, Spirchez C (2018) Renewable pellets obtained from aspen and birch bark, BioResources 13(3): 6985-7001.
8. Croitoru C, Spirchez C, Lunguleasa A, Cristea C, Roata IC, Pop MA, Bedoc T, Stanciu EM, Pascu A (2018) Surface properties of thermally treated composite wood panels, Applied Surface Science, 438 (2018) 114–126, doi.org/10.1016/j.apsusc.2017.08.193.
9. Croitoru C, Spirchez C, Cristea D, Lunguleasa A, Pop MA, Bedo T, Roata IC, Luca MA (2018) Calcium carbonate and wood reinforced hybrid PVC composites, Journal of applied polymer science, 438: 114-126, DOI: 10.1002/APP.46317.
10. Spirchez C, Lunguleasa A (2017): Experiments and modeling of the torrefaction of white wood fuel pellets, Bioresources 12(4): 8595-8611, ISSN 1930-2126.
11. Lunguleasa A, Spirchez C (2017): Torrefaction of lamellar panels made of oak and spruce wood species, Wood Research, 62(2), 319-328, ISSN 1336-4561.
12. Lunguleasa A, Spirchez C (2017): Characteristics of waste bark combustion, Environmental Engineering and Management Journal, 16(3), 685-694.
13. Spirchez C, Lunguleasa A (2016): Shear and Crushing Strengths of Wood Pellets, Drewno 2016, 59(198), DOI: 10.12841/wood.1644-3985.170.04, ISSN 1644-3985.
14. Spirchez C, Lunguleasa A (2016): Testing model for assessment of lignocellulose-based pellets, Wood Research 61(2):331-340, ISSN 1336-4561.
15. Griu T, Lunguleasa A (2016): The use of White Poplar (Populus alba L.) biomass as fuel, Journal of Forestry Research 27(3):719-725, ISSN 1007-662X, Springer.
16. Griu T, Lunguleasa A (2016): Salix viminalis vs Fagus sylvatica – fight for renewable energy from woody biomass in Romania, Environmental and Engineering Management Journal 15(2): 413-420, ISSN 1582-9596.
17. Lunguleasa A, Spirchez C, Griu T (2015): Effects and Modeling of Sawdust Torrefaction for Beech Pellets, Bioresources 10(3): 4726-4739, ISSN 1930-2126.
18. Lunguleasa A. Spirchez C (2015): An aggregated property of wheat straw briquettes, Wood Research 60(5):845-856, ISSN 1336-4561.
19. Croitoru C, Patachia S, Lunguleasa A (2015): A mild method of wood impregnation with biopolymers and resins using 1-ethyl-3-methylimidazolium chloride as carrier, Chemical Engineering Research and Design 93(1):257-268, ISSN 0263-8762.

Articole BDI (extras)

1. Spirchez C, Lunguleasa A, Pruna M, Gageu L: Research on the potential of wood energy biomass. International Symposium ISB-INMA-TEH-2016, Bucharest, 27-29 October 2016, ISSN 2344-4118.
2. Spirchez C, Lunguleasa A: :The influence heat transfer coefficient on wood construction. The 16th International Conference AFASES 2015, Air Force Academy, Brasov, Proceedings.
3. Petru A. Lunguleasa A: AFASES 2015. Effects of the laser power on wood coloration, The 16th International Conference AFASES 2015, Air Force Academy, Brasov, Proceedings.
4. Petru A. Lunguleasa A: AFASES 2014. The choice of the pyrometers used for pyrogravure devices. The 16th International Conference AFASES 2014, Air Force Academy, Brasov, Proceedings, pag 84-89.
5. Petru A. Lunguleasa A: AFASES 2014. Wood processing by laser tools.The 16th International Conference AFASES 2014, Air Force Academy, Brasov, Proceedings, pag. 211-219.
6. Petru A, Lunguleasa A: AFASES 2014. Color measurement using digital image analysis, The 16th International Conference AFASES 2014, Air Force Academy, Brasov, Proceedings, pag 221-226.

7. Griu (Dobrev) T, Lunguleasa A, AFASES 2014. Economics consideration on wooden biomass consumption, The 16th International Conference AFASES 2014, Air Force Academy, Brasov, Proceedings, Section: Renewable Energy and Environment, 22-24 May, pag.283-290.
8. Griu (Dobrev) T, Lunguleasa A, Torrefaction of Beech and Spruce Sawdust, Pro Ligno Brasov, 2014 Volume 10, Issue 2, pp 40-45 ISSN 2069-7430.
9. Lunguleasa A. Higroscopicity of chipboard versus solid wood, The 16th International Conference AFASES 2014, Air Force Academy, Brasov, Proceedings, Section: Renewable Energy and Environment, 22-24 May, pag 291-295.
10. Griu (Dobrev) T, Lunguleasa A. The Use of the Biomass as Solid Combustible, RECENT, Vol 15 (2014), Nr 1 (41), March 2014, pp 12-18.
11. Lunguleasa A. -The influence of temperature on the shrinkage of white poplar veneers**,** ICWST 2013-Part 2., Brasov, Pro Ligno; Vol. 9, Nr 4, 2013, pp 450-455. ISSN 2069-7430
12. Lunguleasa A- Durability of wooden briquettes, International Conference of Scientific Paper AFASES 2012, Academia fortelor aeriene Henri Coanda, Brasov, 24-26 May 2012.
13. Lunguleasa A- Comparative researches about straightening of beech veneer undulations, Conf internationala "Scientific symposium Forest and Sustainable development" organizata de Fac de Silvicultura, Brasov 19-20 oct 2012
14. Lica D, Cosereanu C, Budau G, Lunguleasa A – *Characteristics of Reed Briquettes – Biomass Renewable Resource of the Danuble Delta,* Revista Pro Ligno vol. 8, nr. 1, Martie, ISSN 2069-7430 online version, pp. 44-51).
15. Lunguleasa A – *Calitatea si indicele de vanzare al brichetelor lemnoase (Quality and Marketability Index of Wooden briquettes),* Revista Recent, Vol 13 (2012),No. 1(34), pag. 61-65, Brasov, March, 2012.
16. Griu T si Lunguleasa A –*Salix- Renewable energy source*, International Conference of Scientific Paper AFASES 2012, Academia fortelor aeriene Henri Coanda, Brasov, 24-26 May 2012.
17. Griu T si Lunguleasa A – *Genus Salix L. A chapter of renewable energy source*, Conf internationala "Scientific symposium Forest and Sustainable development" organizata de Fac de Silvicultura, Brasov 19-20 oct 2012,
18. Lunguleasa A., *The temperature effect on wood shrinkage*, RECENT–32, B+ si BDI Universitatea Transilvania Brasov, vol 12, nr 2, pag 139-142.
19. Lunguleasa A. - Wooden briquettes versus pellets (Brichetele lemnoase și peleții), Recent nr 3(30), December, 2010, vol 11, ISSN 1582-0246 , pag 217-222.

Brevete de invenție (extras)

1. RO127159 (A0) – Ecological plywood and process for preparing the same, Cosereanu Camelia; Lunguleasa Aurel; Lica Dumitru; Cismaru Maria; Porojan Mihaela; Brenci Luminita; Iacob Ioan; Iacob Maria; Mihailescu Camelia, 2016.
2. RO127189 (A0) , Low, medium and high density thermally insulating composites board for the construction field and process for carrying out the same; Authors: Cosereanu C, Lazarescu C, Lica D, Lunguleasa A, Cismaru I, Budau G, Fotin A, Sova D, Iacob I , 2015.
3. RO126930-A0, Croitoru C, Patachia S F C, Lunguleasa A –Solutions for wood impregnation, based on natural polymers, method of preparation and process for application, 2016.
4. RO126929-A0, Patachia S F C, Croitoru C, Lunguleasa A, Dispersion for wood impregnation based inorganic compounds and ionic liquids, method of preparation and process of application, 2016.
5. RO126787 (A0), Lunguleasa, A, Method and device for determining the compaction coefficient of lignocelluloses briquettes (Metodă şi dispozitiv pentru determinarea coeficientului de compactare al brichetelor lignocelulozice), 2017.
6. RO125658 –A0, Method and device for determining resistance to compression of minced wood briquettes. Author: Lunguleasa A. 2016.

Prof dr ing Aurel LUNGULEASA, Ianuarie, 2024