

Autoarea tezei de abilitare: Conf. Dr. Ing. LIDIA GURĂU

Titlul tezei de abilitare: Evaluarea calității suprafețelor din lemn și compozitelor pe bază de lemn

Domeniul: Inginerie Forestieră

LISTA DE LUCRĂRI

LUCRĂRI RELEVANTE (ISI)

1. **Gurau L, Irle M. (2017).** Surface Roughness Evaluation Methods for Wood Products: a Review. *Current Forestry Reports* 3(2): 119-131. Wood Structure and Function (S Hiziroglu, section editor). e-ISSN 2198-6436. DOI 10.1007/s40725-017-0053-4. Springer International Publishing, WOS:000407773800004, **FI: 3,548**
2. **Gurau, L., Mansfield-Williams, H, Irle, M. (2014).** Convergence of the robust Gaussian regression filter applied to sanded wood surfaces. *Wood Science and Technology* 48(6): 1139-1154. ISSN: 0043-7719 (Print) 1432-5225 (Online). DOI 10.1007/s00226-014-0663-y, WOS:000343837200004 , **FI:1,92**
3. **Gurau, L., Mansfield-Williams, H, Irle, M. (2013).** The influence of measuring resolution on the subsequent roughness parameters of sanded wood surfaces. *European Journal of Wood and Wood Products (Holz als Roh und Werkstoff)*. Vol.71(1):5-11, ISSN 0018-3768 (Print) 1436-736X (Online), Ed. Springer DOI: 10.1007/s00107-012-0645-4 , WOS:000313367100003, **FI:1,105**
4. **Gurau, L., Mansfield-Williams, H, Irle, M, Cionca, M. (2009).** Form error removal of sanded wood surfaces. *European Journal of Wood and Wood Products (Holz als Roh und Werkstoff)*. Vol.67 (2): 219-227. ISSN 0018-3768 (Print) 1436-736X (Online), Ed. Springer DOI: 10.1007/s00107-009-0310-8; WOS:000267042900015 , **FI:0,838**
5. **Gurau L, Irle M., Campean M, Ispas M, Buchner J. (2017).** Surface quality of planed beech wood (*Fagus sylvatica* L) thermally treated for different durations of time. *BioResources* 12(2): 4283-4301, ISSN: 1930-2126;DOI:10.15376/biores.12.2.4283-4301, WOS:000402883700148, **FI:1,202**
6. **Gurau L, Irle M., Buchner J. (2019).** Surface roughness of heat treated and untreated beech (*Fagus sylvatica* l.) wood after sanding. *BioResources* 14(2): 4512-4531. ISSN: 1930-2126 DOI:10.15376/biores.14.2.4512-4531, WOS:000466449000141, **FI:1,396**
7. **Gurau, L., Petru, A. (2018).** The influence of CO2 laser beam power output and scanning speed on surface quality of Norway maple (*Acer platanoides*), *BioResources*. 13(4): 8168-8183, ISSN: 1930-2126, DOI:10.15376/biores.13.4.8168-8183 , WOS:000454215100073, **FI:1,202**
8. **Gurau L., Ayrilmis N., Benthien J.T., Ohlmeyer M, Kuzman M.K., Racasan S. (2017).** Effect of species and grinding disc distance on the surface roughness parameters of medium-density fiberboard. *European Journal of Wood and Wood Products (Holz als Roh und Werkstoff)* 75(3), 335-346. ISSN 0018-3768 (Print) 1436-736X (Online), Ed. Springer. DOI: 10.1007/s00107-016-1081-7, WOS:000399708300006, **FI:1,401**
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TEZA DE DOCTORAT

Gurau, L. 2004. *The Roughness of Sanded Wood Surfaces.* Doctoral thesis. Forest Products Research Centre. Buckinghamshire Chilterns University College. **Brunel University**, UK, 400 pages

BREVETE (ISI Web of Knowledge)

1. (2013) Patent Number(s): RO128819-A0, *Panel, which is obtained from timber cut from thin sessile oak trunks resulting from forestry thinning operations*, Inventor(s): Olarescu A, Cionca M C, Badescu L A, **Gurau** L, Campean M, Derwent Primary Accession Number: 2013-Q10140, International Patent Classification: B27D-001/00; B27M-001/02; E04F-013/10
2. (2012) Patent Number(s): RO123471-B1, *Panel, has transverse strips, formed of linear blocks carried out from prismatic semifinished items, manufactured from branches by using ecological adhesive*, Inventor(s): Cionca M C, **Gurau** L, Olarescu A, Zeleniuc O, Derwent Primary Accession Number: 2012-P88359, International Patent Classification: B27N-003/04; B32B-005/12; E04C-002/16
3. (2010) Patent Number(s): RO125678-A2, *Eco-panels of cross texture made of branches of deciduous trees, method and process for making the same*, Inventor(s): Cionca M C, Olarescu A, **Gurau** L, Derwent Primary Accession Number: 2010-M69346, International Patent Classification: B27N-003/00; F04C-002/00; F04C-002/12

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4. **Gurau**, L.2007. *Quantitative Evaluation of the Sanding Quality in Furniture Manufacturing*. Ed. Univ. Transilvania, Brasov, pg. 266, ISBN 978-973-598-126-6.
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20. **Gurau, L.**, Mansfield-Williams, H, Irle, M, Cionca, M. 2009. Form error removal of sanded wood surfaces. *European Journal of Wood and Wood Products (Holz als Roh und Werkstoff)*. Vol.67 (2): 219-227. ISSN 0018-3768 (Print) 1436-736X (Online), Ed. Springer DOI: 10.1007/s00107-009-0310-8; WOS:000267042900015
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