

Universitatea Transilvania din Braşov
Facultatea de Inginerie Mecanică
Departamentul de Inginerie Mecanică
Candidat: Stanciu Mariana Domnica

LISTA DE LUCRĂRI

- A. Lista celor maxim 10 lucrări considerate de candidat a fi cele mai relevante pentru realizările profesionale proprii;
- B. Teza de doctorat;
- C. Brevete de invenție și alte titluri de proprietate intelectuală;
- D. Cărți și capitole în cărți;
- E. Articole/studii în extensor publicate în reviste din fluxul științific internațional principal;
- F. Publicații în extensor apărute în lucrări ale principalelor conferințe internaționale de specialitate;
- G. Alte lucrări și contribuții științifice

A. Lista celor maxim 10 lucrări considerate de candidat a fi cele mai relevante pentru realizările profesionale proprii;

1. **Stanciu M.D.,** Năstac S.M., Teşulă I. Prediction of the Damage Effect on Fiberglass-Reinforced Polymer Matrix Composites for Wind Turbine Blades, *Polymers*, **2022**, 14(7), 10.3390/polym14071471, WOS:000781582400001, (FI= 4.967; SRI=1.961) <https://www.mdpi.com/2073-4360/14/7/1471>
2. **Stanciu M.D.;** Dinulica, F.; Bucur, V.; Gliga, G.V.; Nastac, S.M.; Campean, M. Changing the vibrational behavior of the wooden thin arched plates – the maestro violins experimental study case. *Thin-Walled Structures*. **2022**, 109042, <https://doi.org/10.1016/j.tws.2022.109042>
3. **Stanciu M.D.,** Teodorescu Draghicescu H., Rosca I.C., Mechanical Properties of GFRPs Exposed to Tensile, Compression and Tensile-Tensile Cyclic Tests, *Polymers*, **2021** 13(6), 898 (FI=4.329, SRI=2.037) doi 10.3390/polym13060898, WOS:000651942300001, <https://www.mdpi.com/2073-4360/13/6/898>
4. **Stanciu M.D.,** Teodorescu Draghicescu H., Vlase S, Degradation of Mechanical Properties of Pine Wood Under Symmetric Axial Cyclic Loading Parallel to Grain, *Polymers*, **2020**, 12(10), 2176 (FI= 3.426; SRI=1.9) DOI10.3390/polym12102176, WOS:000586968800001, <https://www.mdpi.com/2073-4360/12/10/217>
5. **Stanciu M.D.,** Cosereanu C., Dinulica F., Bucur V., Effect of wood species on vibration modes of violins plates. *Eur. J. Wood Prod.* (**2020**) vol 78, pp. 785-799. <https://link.springer.com/article/10.1007/s00107-020-01538-5>

6. **Stanciu MD** , Bucur V., Munteanu M.V., Georgescu S.V., Năstac S.M. Moisture induced deformation in the neck of a classical guitar, in *Holzforschung*, **2019**, Vol 73(4):371-379, <https://www.degruyter.com/document/doi/10.1515/hf-2018-0021/html>
7. **Stanciu M.D**, Bucur V., Valcea C. S., Savin A., Sturm R., (2018) *Oak particles size effects on viscous-elastic properties of wood polyester resin composite submitted to ultraviolet radiation*, **Wood Sci Technol** 52 (2): 365-382 (2018) (FI=1,706; SRI=2,454) <https://link.springer.com/article/10.1007/s00226-017-0971-0>
8. **Stanciu M. D.**, Ardeleanu A.F. Teodorescu Draghicescu H, Reverse engineering in finite element analysis of the behaviour of lignocellulosic materials subjected to cyclic stresses, in *Procedia Manufacturing* 22 (2018), pp 65-72, 11th International Conference Interdisciplinarity in Engineering, INTER-ENG 2017, 5-6 October 2017, Tirgu Mures, Romania <https://www.sciencedirect.com/science/article/pii/S2351978918303056>
9. **Stanciu M.D.**, Curtu I., Groza M., Savin A., (2017) *The Evaluation Of Rheological Properties Of Composites Reinforced With Hemp, Subjected To Photo And Thermal Degradation*, CONAT 2016 International Congress Of Automotive And Transport Engineering, DOI 10.1007/978-3-319-45447-4_62, Pages: 565-574, https://link.springer.com/chapter/10.1007/978-3-319-45447-4_62
10. **Stanciu M.D.**, Curtu I., Groza M., Savin A., (2017) *The Evaluation Of Rheological Properties Of Composites Reinforced With Hemp, Subjected To Photo And Thermal Degradation*, CONAT 2016 International Congress Of Automotive And Transport Engineering, DOI 10.1007/978-3-319-45447-4_62, Pages: 565-574, https://link.springer.com/chapter/10.1007/978-3-319-45447-4_62

B. Teza de doctorat

2009 - "Cercetări privind optimizarea formei și structurii plăcilor compozite lignocelulozice supuse la solicitări ciclice, cu aplicații la instrumentele muzicale" (îndrumător de doctorat –prof. univ. dr. ing. Curtu Ioan)

Lucrare postdoctorat

2013 - Cercetări privind optimizarea structurilor funcționale din materiale avansate utilizate în preluarea și absorbția zgomotului urban datorat fluxurilor rutiere (mentor –prof. univ. dr. ing. Curtu Ioan)

Teza de abilitare

2022 - Comportamentul mecanic al structurilor complexe lignocelulozice de tip Helmholtz

C. Brevete de invenție și alte titluri de proprietate intelectuală;

Propunere de brevet (2014):

CBI A/00560/23.07.14 (BI RO 130753A0): *Plăci fonoabsorbante și termoizolante obținute din deșeuri reciclate de ABS în proporție de 90%-100% și procedeu de obținere*, COȘEREANU Camelia, Lica Dumitru, Brenci Lumini a - Maria, Fotin Adriana Curtu Ioan, Stanciu M.D.

Propunere de brevet (2018):

CBI A/00729/27.09.2018: *Stand și metodă de testare reologică a structurilor de chitară*, Stanciu M.D., Coșereanu C., Cerbu C., Munteanu V., Georgescu S., Vlase S.

Propunere de brevet (2022):

CBI A06004/04.10.2022 Stand și metoda de testare statică și dinamică a viorilor. Stanciu M.D., Gliga V.Gh., Dinulica F., Nauncef A.M., Campean M., Cherdivar A., Mihalcica M.

D. Cărți și capitole în cărți

1. **Stanciu M.D.**, Mihalcica M., ș.a. *Dinamica viorii*, Ed. Universității Transilvania din Brașov, ISBN: 978-606-19-1517-0202, p. 305 <https://drive.unitbv.ro/apps/files/?dir=/&fileid=1316247>
2. **Stanciu M. D.**, Curtu I., *Dinamica structurii chitarei clasice*, Ed . Universitatii Transilvania din Brasov, 2012, ISBN 978-606-19-0074-9, p. 212
3. **Stanciu M.D.**, Terciu O.M., Curtu I., (2014) *Compozite Lignocelulozice – Aplicatii in Industria Automobilelor*, Ed. Universitatii Transilvania din Brasov, ISBN 978-606-19-0518-8, DOI: 10.13140/2.1.2368.0323, p. 238
4. Curtu I., **Stanciu M.D.**, Ilias N.T. *Epopoea lemnului in cultura si civilizatie – capitol carte*, Planeta Pământ – Planeta Vie vol II, Ed. AGIR, Bucuresti, Romania, 2015, ISBN 978-973-720-582-7, 26 pagini (p. 310 – 333) (capitol carte)
5. **Stanciu M.D.**, Curtu I., (2013) *Reologie – suport de curs prima parte*, Editura Universitatii Transilvania din Brasov, 167 p, ISBN: 978-606-19-0351-1 (gen), 978-606-19-0352-8 (Partea I)
6. **Stanciu M.D.**, Curtu I., (2015) *Reologia Lemnului – suport de curs Partea a II-a*, Editura Universitatii Transilvania din Brasov, 218p, ISBN: 978-606-19-0351-1 (gen), 978-606-19-0633-8 (Partea a II-a)
7. **Stanciu M.D.**, Curtu I., (2015) *Reologia Materialelor de construcții – suport de curs Partea a III-a*, Editura Universității Transilvania din Brașov, 200p, ISBN: 978-606-19-0351-1 (gen), 978-606-19-0634-5 (Partea a III-a)

E. Articole/studii în extensie publicate în reviste din fluxul științific internațional principal;

2022

1. **Stanciu M.D.**, Nastac S., Trandafir M., Bucur V. *Dynamic analysis of musical triangles*, The 10th International Conference on Wave Mechanics and Vibrations (10th WMVC), Lisabona, Portugalia, 4–6 July 2022, BDI Springer Recent Trends in Wave Mechanics and Vibrations,

- 10.1007/978-3-031-15758-5_89, <https://link.springer.com/book/10.1007/978-3-031-15758-5?page=6#toc>;
2. Stanciu M.D., Nastac S.M., Savin A., Identifying The Constructive Features of Historical Violins Using Computer Tomography, International Conference INTER-ENG 2022 Interdisciplinarity in Engineering, 6 – 7.10.2022, Tg Mures, Romania, 978-3-031-22374-7 Springer International Publishing (Verlag), <https://link.springer.com/book/9783031223761> ;
 3. **Stanciu M.D.**, Nastac S.M., Savin A., Comparison between Acoustic Spectral Evolutions of Violins before and after Varnishing, International Conference INTER-ENG 2022 Interdisciplinarity in Engineering, 6 – 7.10.2022, Tg Mures, Romania, 978-3-031-22374-7 Springer International Publishing (Verlag), <https://link.springer.com/book/9783031223761>
 4. Stanciu M.D., Gall R., Orbok Z., Stan T. Acoustic and elastic properties of wood used for musical instruments, THE 10th INTERNATIONAL CONFERENCE ON ADVANCED CONCEPTS IN MECHANICAL ENGINEERING Iasi, Romania, 9 - 10 June 2022, IOP Conf. Ser.: Mater. Sci. Eng. 1262 012059, 1757-899X

2021

1. Mihalcica M., **Stanciu M.D.**, Gliga, V. G., Campean, M., Dinulică F., Nastac S. M. Experimental Modal Analysis of Violin Bodies with Different Structural Patterns of Resonance Spruce, The International Conference Modern Technologies in Industrial Engineering ModTech2021, 23 – 26.06.2021, online, <https://modtech.ro/conference/book-of-abstracts.php#gsc.tab=0>
2. **Stanciu, M.D.**, Gliga, V. G., Georgescu, S.V., Savin, A., G. Dobrescu, G. Non-Destructive Determination of the Elastic and Acoustic Properties of Resonant Wood Used in the Manufacture of Violins, The International Conference Modern Technologies in Industrial Engineering ModTech2021, 23 – 26.06.2021, online, <https://modtech.ro/conference/book-of-abstracts.php#gsc.tab=0>
3. **Stanciu M.D.**, Trandafir M., Dron Gh. Munteanu M.V., Bucur V. Numerical Modal Analysis of Kinked Bars –Triangle Case of Study” The International Conference Modern Technologies in Industrial Engineering ModTech2021, 23 – 26.06.2021, online, <https://modtech.ro/conference/book-of-abstracts.php#gsc.tab=0>

2020

1. Munteanu V. M., **Stanciu M.D.**, Vlase S., (2020) Image correlation to predict the gait recovery of patients in the postsurgery period, 13th International Conference Interdisciplinarity in Engineering (INTER-ENG 2019), Procedia Manufacturing, Volume 46, Pages 499-508 (2020), <https://www.sciencedirect.com/science/article/pii/S2351978920309501>
2. **Stanciu M.D.**, Barsanescu P., Goanta V., Savin A. Experimental determination of stress and strain states of the guitar's wood structure, MODTECH INTERNATIONAL CONFERENCE - MODERN TECHNOLOGIES IN INDUSTRIAL ENGINEERING VIII, IOP Conference Series-Materials Science and Engineering, 2020, 916, 012113, DOI10.1088/1757-899X/916/1/012113,

WOS:000625330000113,

<https://iopscience.iop.org/article/10.1088/1757-899X/916/1/012113>

3. **Stanciu M.D.**, Dinulica F., Cirstea I. Physical and mechanical characterization of resonance spruce (*Picea Abies* L), MODTECH INTERNATIONAL CONFERENCE - MODERN TECHNOLOGIES IN INDUSTRIAL ENGINEERING VIII, IOP Conference Series-Materials Science and Engineering, 2020, 916, 012112, DOI10.1088/1757-899X/916/1/012112, WOS:000625330000112, <https://iopscience.iop.org/article/10.1088/1757-899X/916/1/012112>

2019

1. Iftimie N., Savin A., Steigman R., **Stanciu M.D.**, Nondestructive testing sensor using semiregular architecture with folding ligaments, IOP Conf. Series: Materials Science and Engineering 591 (2019) 012051, Modern Technologies in Industrial Engineering VII, (ModTech2019), <https://iopscience.iop.org/article/10.1088/1757-899X/591/1/012051/pdf>
2. Savin A, Iftimie N, Nastac S.M., **Stanciu M.D.** Structural health monitoring of critical zones of small wind turbine blades for domestic users, IManEE 2019 IOP Conf. Series: Materials Science and Engineering 564 (2019) 012067 IOP Publishing doi:10.1088/1757-899X/564/1/012067 (<https://iopscience.iop.org/article/10.1088/1757-899X/564/1/012067>,
- 3.

2018

4. **Stanciu M.D.**, Bucur V., Valcea C. S., Savin A., Sturm R., (2018) *Oak particles size effects on viscous-elastic properties of wood polyester resin composite submitted to ultraviolet radiation*, **Wood Sci Technol** 52 (2): 365-382 (2018) (FI=1,706; SRI=2,454) <https://link.springer.com/article/10.1007/s00226-017-0971-0>
5. **Stanciu M.D.**, Savin A., Nastac S.M, (2018) *Mechanical and surface properties of lignocellulosic fibres reinforced composites*, in **Strojniški vestnik - Journal of Mechanical Engineering** 64(2018)11, 698-705, ISSN 0039-2480 (FI=1,182; SRI=0,503), <https://www.svjme.eu/article/mechanical-and-surface-properties-of-lignocellulosic-fibres-reinforced-composites/>
6. Vlase S., Itu C., Vasile O., Nastac C. **Stanciu M.D.**, Scutaru L, *Vibration Analysis of a Mechanical System Composed of Two Identical Parts*, **Romanian Journal of Acoustic and Vibration RJAV**, vol 15(1)/2018; 58-63, ISSN 1584-7284, <http://rjav.sra.ro/index.php/rjav/article/view/52>
7. **Stanciu M. D.**, Ardeleanu A.F. Teodorescu Draghicescu H, *Reverse engineering in finite element analysis of the behaviour of lignocellulosic materials subjected to cyclic stresses*, in **Elsevier - Procedia Manufacturing** 22 (2018), pp 65-72, 11th International Conference Interdisciplinarity in Engineering, INTER-ENG 2017, 5-6 October 2017, Tirgu Mures, Romania

2017

8. **Stanciu M.D.**, Curtu I., Szasz M. *The assessment of the probabilistic burst of honed steel pipes based on elastic plastic behavior*, in **Elsevier - Procedia Engineering** 181 (2017) pp.28-35

9. **Stanciu MD**, Curtu I, Savin A. *A Finite Element Approach for Inter-Laminar Damage of the Carbon Fiber Reinforced Polymer due to Impact*, in **Elsevier - Procedia Engineering** 181C (2017) pp. 249-256, doi 10.1016/j.proeng.2017.02.386
10. **Stanciu M.D.**, Curtu I., Groza M., Savin A., (2017) *The Evaluation Of Rheological Properties Of Composites Reinforced With Hemp, Subjected To Photo And Thermal Degradation*, **Springer CONAT 2016 International Congress Of Automotive And Transport Engineering**, DOI 10.1007/978-3-319-45447-4_62, Pages: 565-574

2016

11. **Stanciu M.D.,,** Curtu I., Tesula I., Structural Optimization of Composite from Wind Turbine Blades with Horizontal Axis Using Finite Element Analysis, **Elsevier - Procedia Technology** 22(2016) 726-733 ;
12. Savin A., Bârsanescu P.D., P Vizureanu, **Stanciu M.D.**, I Curtu, N Iftimie, R Steigmann, *Damage detection of carbon reinforced composites using nondestructive evaluation with ultrasound and electromagnetic methods*, **IOP Conf. Series: Materials Science and Engineering** 133 (2016) 012013 doi:10.1088/1757-899X/133/1/012013, ISSN 1757-899X
11. R Steigmann, N Iftimie, G S Dobrescu, P D Barsanescu, I Curtu, **Stanciu M D**, A Savin (2016) *Nondestructive Evaluation And Characterization Of GFRP Using Non-Contact Ultrasound And Complementary Method*, Modtech International Conference - Modern Technologies In Industrial Engineering IV, **IOP Conf. Series: Materials Science And Engineering** 145 (2016) 032010 Doi:10.1088/1757-899X/145/3/032010,
12. Steigmann R., **Stanciu M. D.**, M Szasz, I Curtu, T Sturzu, A Savin, *The Evaluation Of The Elasto-Plastic Behavior In Case Of The Honed Steel Pipes Subjected To Variable Internal Pressure*, Modtech International Conference - Modern Technologies In Industrial Engineering IV Iasi, **IOP Science Materials Science And Engineering** 145 (2016) 022036 Doi:10.1088/1757-899X/145/2/02203,
13. **Stanciu M. D.**, A Harapu, H Teodorescu Drăghicescu, I Curtu, A Savin, *Comparison Between Viscous Elastic Plastic Behaviour Of The Composites Reinforced With Plain Glass Fabric And Chopped Strand Mat*, 7th International Conference On Advanced Concepts In **IOP Conference Series Mechanical Engineering, Materials Science And Engineering** 147 (2016) 012097 Doi:10.1088/1757-899X/147/1/012097
14. Steigmann R., Savin A., Goanta V., Barsanescu D.P., Leitoiu B., Iftimie N., **Stanciu M.D.**, Curtu I. (2016) *Determination Of Mechanical Properties Of Some Glass Fiber Reinforced Plastics Suitable To Wind Turbine Blade Construction*, 7th International Conference On Advanced Concepts In Mechanical Engineering, Materials Science And Engineering 147, **IOP Conference Series Mechanical Engineering, Materials Science And Engineering** 147 (2016)

2015

15. Horatiu Teodorescu-Draghicescu, Sorin Vlase, **Stanciu M.D. (autor correspondent)**, Ioan Curtu, Mircea Mihalciă, (2015) *Advanced Pultruded Glass Fibers-Reinforced Isophtalic Polyester Resin*, **Materiale Plastice** 52 (1), 2015, p. 62-64, ISSN 0025/5289, (FI/2017= 1,248 (la data înscrierii în concurs), FI/2014= 0,824 (la data publicării), SRI= 0,150)

16. **Stanciu M. D.**, Curtu Ioan, Cosereanu C., Lica D. (2015) *Soundproofing Performance Evaluation Of Panels Made Of Fibers Of Acrylonitrile Butadiene Styrene Copolymer (ABS)*, **Elsevier - Procedia Technology**, vol 19, 2015, Pages 260–267 8th International Conference Interdisciplinarity In Engineering, INTER-ENG 2014, 9-10 October 2014, Tirgu Mures, Romania, [Doi:10.1016/j.Protcy.2015.02.038](https://doi.org/10.1016/j.protcy.2015.02.038), ISSN 2212-0173
17. Curtu I., **Stanciu M.D.**, Dates R. (2015) *Rheology In Wood Engineering*, In **Elsevier - Procedia Technology**, vol 19, 2015, Pages 77–84, 8th International Conference Interdisciplinarity In Engineering, INTER-ENG 2014, 9-10 October 2014, Tirgu Mures, Romania,

2014

18. **Stanciu M. D.**, Curtu I., Mocanu T., *Mechanical Behavior of Guitar Neck under Simple Bending Stress Analyzed with Finite Elements Method*, THE 6th INTERNATIONAL CONFERENCE ON ADVANCED CONCEPTS IN MECHANICAL ENGINEERING 12 – 13 June 2014 Iasi, in **Applied Mechanics and Materials, Vol. 658 (2014)** pp 225-230, www.scientific.net/AMM.658.225
19. **Stanciu M. D.**, Curtu I., Mihalache Daniel: *Design of Experimental Test Bench for Determining the Stresses and Strains State of Guitar Neck*, in **Applied Mechanics and Materials Vol. 658 (2014)** pp 219-224, [doi:10.4028/www.scientific.net/AMM.658.219](https://doi.org/10.4028/www.scientific.net/AMM.658.219),

2013

20. Timar J., Cofaru C., **Stanciu M.D.** (autor correspondent), Curtu I., Florea D., Covaciu D. (2013) *Rheological Behaviour of Copolymer Stamylan P108 MF used in Bumper Structure from Automotive Industry*, **Materiale Plastice** 50(3), 2013, pp. 183-187 (FI= 1,248 (la data înscrierii în concurs), FI/2011= 0,379 (la data publicării), SRI= 0,150) <http://www.revmaterialeplastice.ro/pdf/TIMAR%20J.pdf%203%2013.pdf>

2012

21. Curtu I., **Stanciu M.D. (autor correspondent)**, Cosereanu C., Vasile O., (2012) *Assessment of acoustic properties of biodegradable composite materials with textile inserts* **Materiale Plastice** 49(1), 2012, p. 68-72 (FI/2012= 1,248 (la data înscrierii în concurs), FI/2011= 0,387 (la data publicării), SRI= 0,150) <http://www.revmaterialeplastice.ro/pdf/CURTU%20IOAN%201%2012.pdf>

2011

22. Curtu I., Botis M., Stanciu M.D., Terciu O.M, Researches regarding FEM analysis of the stress and strain state from the structure of wooden churches, in **Revista Portuguesa de Engenharia de Estruturas, Seria II, nr. 10, Decembrie 2011, pp.7-14**
23. Stanciu M.D., Curtu I., Itu C., Nastac S., Timar I., *On Static and Dynamic Behavior of Noise Barriers Structures using FEA*, in Proceedings of 10th International Conference in Vibration Problems, ISBN 978-80-7372-759-8, pp.491-496 – Indexat ISI Thomson –Springer
24. Curtu I., Itu. C, Nastac S., Stanciu M.D., *On Dynamic Characterization of Flexible Structures Due to Impulsive Actions*, , in Proceedings of 10th International Conference in Vibration Problems, Praga 05-08 septembrie 2011, ISBN 978-80-7372-759-8, pp. 255-261 Indexat ISI Thomson –Springer

2010

25. Cosereanu C., Lăzărescu C., Curtu I., Lică D., Şova D., Brenci L.M., **Stanciu M.D.** (2010), *Research on New Structures to Replace Polystyrene used for Thermal Insulation of Buildings*, **Materiale Plastice** 47(3), 2010, pp. 341-345 (FI 2018=1,248 (la data înscrierii în concurs), FI/2011= 0,873 (la data publicării), SRI= 0,150)

F. Publicații în extenso apărute în lucrări ale principalelor conferințe internaționale de specialitate;

2018

1. Şova D., **Stanciu M.D.**, Belea E., Bidu V. Innovative thermal insulation panels with air channels, in **The 8th International Conference on Advanced Concepts in Mechanical Engineering - ACME 2018**, Iasi, June 07 - 08, 2018,
2. M.V. Munteanu, **M.D. Stanciu**, I.Ş. Urucu, P.G. Duță, Structural analysis of classical guitar during the technological processing, **The 8th International Conference on Advanced Concepts in Mechanical Engineering - ACME 2018**, Iasi, June 07 - 08, 2018,
3. M.V. Munteanu, **M D Stanciu**, S M Năstac, A Savin, Modal analysis of small turbine blade made from glass fibres composites **The 8th International Conference on Advanced Concepts in Mechanical Engineering - ACME 2018**, Iasi, June 07 - 08, 2018,

2017

4. **Stanciu M.D.**, H. D. Teodorescu, D. Roşu. R. Steigmann, G.S. Dobrescu, A. Savin: The evaluation of visco-elastic behaviour of composites reinforced with glass fibers subjected to compression, in Proceeding of **The 14th International Conference of Slovenian Society for Non –Destructive Testing: "Application of Contemporary non-destructive testing in Engineering"**, 4-6.09.2017 Portoroz, Slovenia, pp. 129-134,
5. **Stanciu M.D.**, Rozina Steigmann, Valcea C, The evaluation of the surface energy of the lignocelluloses composite exposed to UV radiation", in Proceeding of **The 14th International Conference of Slovenian Society for Non –Destructive Testing: "Application of Contemporary non-destructive testing in Engineering"**, 4-6.09.2017, Portoroz, Slovenia, pp. 117 - 125
6. **Stanciu M.D.**, Teodorescu Draghicescu H., Ursarescu A., Labont P.C., Bit C., Numerical And Experimental Approach Of Behaviour Of The Wood Based Composite Subjected To Cyclic Bending, in Proceeding of **International Conference "Wood Science and Engineering in the Third Millennium" - ICWSE 2017, ISSN 1843-2689**, p.253-260
7. **Stanciu M.D.**, Pavel C. Lăbont, Călin Târnoveanu, Hunor Bege, Mihaela Violeta Munteanu: *Comparison Between Numerical and Physical Model of Lignocelluloses Materials Subjected to Cyclic Bending*, in Proceeding of **The 7th International Conference on Computational Mechanics and Virtual Engineering COMEC 2017**, p. 15-18
8. **Stanciu M.D.**, Călin Târnoveanu, Hunor Bege, Mihaela Violeta Munteanu, Silviu M. Năstac: *The Computation Of The Internal Forces In The Structure Of A Wind Turbine* in Proceeding of **The 7th International Conference on Computational Mechanics and Virtual Engineering COMEC 2017, Brasov**, p. 19-22,

9. **Stanciu M.D.,** Violeta Mihaela Munteanu, Sergiu Valeriu Georgescu, Iulian Ștefan Urucu, Petrică Georgică Duță *Analysis of Lignocellulose Structures Deformations by Quantitative and Qualitative Methods* in Proceeding of **The 7th International Conference on Computational Mechanics and Virtual Engineering COMEC 2017**, Brasov, p. 87-92, ISSN 2457-8541.
10. **Stanciu M. D.,** Ardeleanu A.F. Teodorescu Draghicescu H, *Reverse engineering in finite element analysis of the behaviour of lignocellulosic materials subjected to cyclic stresses* **The 11th International Conference Interdisciplinarity in Engineering, INTER-ENG 2017, 5-6 October 2017, Tirgu Mures, Romania**

2016

11. **Stanciu M.D.,** Curtu Ioan, Savin Adriana, *A Finite Element Approach for Inter - Laminar Damage of the Carbon Fiber Reinforced Polymer due to Impact*, **The 10th International Conference Interdisciplinarity in Engineering, INTER-ENG 2016, 6-7 octombrie 2016, Tg Mures,**
12. **Stanciu M.D.,** Curtu Ioan, Szasz Matyas, *The Assessment of the Probabilistic Burst of Honed Steel Pipes Based on Elastic Plastic Behavior*, **The 10th International Conference Interdisciplinarity in Engineering, INTER-ENG 2016, 6-7 octombrie 2016, Tg Mures,**
13. **Stanciu M.D.,** Curtu Ioan, Groza Mihai, Savin Adriana, *The Evaluation of Rheological Properties of Composites Reinforced with Hemp, Subjected to Photo and Thermal Degradation*, DOI 10.1007/978-3-319-45447-4_62 **The 12th International Congress of Automotive and Transport Engineering, CONAT 2016 Braşov, Romania,**
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