

## L I S T A

### publicațiilor reprezentative

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3. B. Rădoi, **D. Vlăsceanu**, N. Peride, "Parapets plated with composite rubber - a comparative study of behaviour at shock", Applied Mathematics and Mechanics, nr. 53, vol.II, 2010, Cluj-Napoca, Romania
4. Jiga G., **Vlăsceanu D.**, Zambal T., Analytical and numerical study of the stability phenomenon of a punching die, UPB Scientific Bulletin, Series D: Mechanical Engineering, 2011, Vol. 73, Issue 3, Pag. 135-144, ISSN 14542358, <https://www.scopus.com/inward/record.uri?eid=2-s2.0-80051924102&partnerID=40&md5=03b7b6a5a00b2a0878ab95deb12d871b>
5. Gheorghiu H., **Vlăsceanu D.**, "Mistakes and traps in FEM practice", The 8<sup>th</sup> International Conference on Management of Inovative Technologies MIT 2005.
6. Petrescu H.A., **Vlasceanu D.**, Stamate A., Bololoi R., Hanganu S.C., Finite element analyses comparison between normal teeth and prosthetic teeth, Key Engineering Materials, 2014, Vol. 638, Issue Pag. 155-160, ISSN 10139826, <https://www.scopus.com/inward/record.uri?eid=2-s2.0-84930358007&doi=10.4028%2fwww.scientific.net%2fKEM.638.155&partnerID=40&md5=30c6256e1916d99b9ce6f0f6eb24e567>.
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8. Petrescu H.-A., **Vlasceanu D.**, Pastrama S.D., Gruionu L., Numerical analysis for determining the displacements of a lung tumor, Key Engineering Materials, 2014, Vol. 638, Issue Pag. 177-182, ISSN 10139826, <https://www.scopus.com/inward/record.uri?eid=2-s2.0-84930334038&doi=10.4028%2fwww.scientific.net%2fKEM.638.177&partnerID=40&md5=825ed3eb89142b1d015d2bef0ae2c42b>
9. Mitroi, E; **Vlasceanu, D**, Applicability of Self-reinforced Poly lactic Acid in Humeral Transcondylar Osteosynthesis, MATERIALE PLASTICE, Volume: 51 Issue: 4 Pages: 396-400, 2014, ISSN 0025-5289, WOS:000345883300011.
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## L I S T A lucrărilor elaborate

### I. TEZA DE DOCTORAT

**T1.** *”Contribuții privind comportamentul mecanic al structurilor axial simetrice din materiale hiperelastice”*

### II. CĂRȚI PUBLICATE

1. **Ca** - “Noțiuni de mecanică și Rezistența materialelor”, Vlăsceanu D., Stochioiu C., Ed. Bren, 2017, ISBN 978-973-610-207-0, Pag. 191, , (confirmare de la Depozitul Legal al Bibliotecii Naționale), (160 pag. Contributie proprie),
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### III. ARTICOLE PUBLICATE (R, V)

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2. **Ris** - Ormenisan, A, Tarcolea, M.; Suciuc, M.; **Vlasceanu, D.**, et al. FEA on Mastication Efforts During Osteosynthesis of a Fractured Mandible, Materiale Plastice, Volum 52, Issue 3, pages 373-375, 2015, ISSN 0025-5289, WOS:000362382300022, **IF=0.903**
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17. **Vis-**Jiga, G ; **Vlasceanu, D** ; Nutu, E; Ghiban, B ; Visan, D., Design And Experimental Analysis For A New Configuration Of A Safety Barrier Destined To Absorb The Impact Energy, Annals Of Daaam For 2008 & Proceedings Of The 19th International Daaam Symposium: Intelligent Manufacturing & Automation: Focus On Next Generation Of Intelligent Systems And Solutions, Book Series: Annals of DAAAM and Proceedings, Pages: 685-686, Published: 2008, ISSN: 1726-9679, WOS:000262860100342.
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  33. **Vi -M.** Tarcolea, R.M. Comaneanu, **D. Vlăsceanu**, M.C. Cotrut, " *Use of CT data and Mimics software to solve a severe mandible trauma situation*", 4th International Conference "Biomaterials, Tissue Engineering &Medical Devices" , 23-25 September, 2010, Sinaia, Romania
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47. **Vi -Bratu P., Jiga G., Vlăsceanu D.**, „*Metode de analiză a performanțelor dinamice ale sistemelor structurale compozite pentru parapetele de protecție ce echipează căile rutiere*”, Zilele Academice ASTR, 28-30 noiembrie 2007
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49. **Vi -Bădescu N., Jiga G., Vlăsceanu D.**, “*Analytical and numerical studies destined for the design of a safety barreer as road restraint system*”, The International Conference on Structural Analysis of Advanced Materials, Patras, Grecia, 2007
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52. **Vi -Jiga G., Vlăsceanu D., Baci F.**, “*Considerations on the tensile residual stress evaluation of two different composites materials balistically impacted*”, The 24<sup>th</sup> Danubia-Adria Symposium on Experimental Methods in Solid Mechanics, Sibiu, Romania, 2007
53. **Vi -Baci F., Vlăsceanu D., Târcolea M., Cotruț C.M., Slăvescu D.**, “*Studiul stării de tensiune la interfața implant-mandibulă*”, Simpozionul Național de Biomateriale, Cluj-Napoca, 2007
54. **Vi -Miculescu M., Târcolea M., Coșmeleață G., Baci F., Vlăsceanu D., Târcolea R.M.**, “*Transferul termic la interfața implant-mandibulă*”, Simpozionul Național de Biomateriale, Cluj-Napoca, 2007
55. **Vi -Gheorghiu H., Baci F., Vlăsceanu D.**, “*Nonlinearity in curved tube loaded with internal pressure*”, The 9<sup>th</sup> International conference on Management of Innovative Technologies, Slovenia 2007
56. **Vi -Gheorghiu H., Vlăsceanu D., Baci F.**, “*Programming Calculation of Optimization a Structure*”, The 8<sup>th</sup> International Conference on Management of Inovative Technologies MIT 2005;
57. **Vi -Vlăsceanu D., Jiga G. , Baci F.**,“*Hard metal growth life of TiN coated cutting tools*“, The 8<sup>th</sup> International Conference on Management of Inovative Technologies MIT 2005;



58. **Vi** -Gheorghiu H., **Vlăsceanu D.**, “*Mistakes and traps in FEM practice*”, The 8<sup>th</sup> International Conference on Management of Inovative Technologies MIT 2005;
59. **Vi** -Constantinescu D., Sandu, M., Constantin, N., Găvan, M., **Vlăsceanu, D.**, Bocăneală, B., “*Procedures to establish mechanical properties of laminated textile composites with three-and four-pointflexure tests*“, The 21<sup>st</sup> Danubia-Adria Symposium on Experimental Methods in Solid Mechanics, Brjoni, Croatia, 29.09.2004-02.10.2004 ;
60. **Vn** -Sandu, M., Baci, Fl., **Vlăsceanu, D.**, “*Force/pressure strain gauge transducer with optimized elastic element*“, Al X-lea Simpozion Internațional de Tensometrie și Incercări de materiale, Sibiu, 22-23 octombrie 2004 ;
61. **Vn** -Jiga, G., **Vlăsceanu, D.**, Baci, Fl., “*Influence of the stacking sequence and volume fraction on the response of a laminated plate subjected to tensile load*“, Al X-lea Simpozion Internațional de Tensometrie și Incercări de materiale, Sibiu, 22-23 octombrie 2004 ;
62. **Vi** -Jiga, G., Baci, Fl., **Vlăsceanu, D.**, ”*Elaboration et détermination des propriétés d’un matériau composite à matrice métallique et particules céramiques*“, La XXX<sup>ème</sup> Session de Communications Scientifiques à participation internationale, Technologies modernes au XXI<sup>ème</sup> siècle, p. 249-254,2003

#### IV. CONTRACTE ȘI RAPOARTE ȘTIINȚIFICE

1. **Director de proiect coordonator**, (certificare de către reprezentantul legal)- ”Aplicatii performante ale materialelor compozite cu gradient functional – COMGRAD”, PN II-PCCA 2013, Contract nr. 246/2014, Director de proiect coordonator, Valoare contract 212025 Lei, Punctaj=212025/50000=4.24
2. **Responsabil de proiect –partener** - (certificare de către reprezentantul legal) - "Sistem inteligent programabil pentru eficientizarea consumurilor de energie electrica in iluminatul public urban si rural", Contract INOVARE, nr. 53/2007, Responsabil de proiect din partea SC Real Store Com SRL. Valoare contract 138.432lei, Punctaj=138432/50000=2.76

##### **Membru in echipa de cercetare:**

1. **Pn** - *Imbunatașirea calității vieții pacienților cu ortoplastii prin creșterea duratei de viață a endoprotezelor* - CEEX 131/2006 - programul VIASAN, participant
2. **Pn** - *Tehnologie și instalație ecologică pentru detensionarea ansamblelor de oțel* - CEEX, nr. 153, 2006, participant
3. **Pn** - “*Cercetări privind realizarea din materiale compozite a elementelor modulare în scopul creșterii rezistenței la șocuri a structurilor de protecție mecanică destinate parapeților pentru drumuri-ELMOSTPRO*” – CEEX 211/2006, participant
4. **Pn** - “*Cercetări privind realizarea unor elemente modulare din materiale compozite pentru mărirea rezistenței la șocuri mecanice a structurilor protective ale cabinelor mașinilor mobile*”, EMCOM – CEEX nr. 213/2006, participant
5. **Pn** -, *Baterie sanitară multifuncțională cu control digital prin senzori de proximitate al parametrilor funcționali*”, BACTA- contract INOVARE nr. 63/25.09.2007, participant
6. **Pn** -, *Generator de impulsuri mecanice cu acționare electrică având energia impulsurilor în domeniul: 10-10000 J/impuls*”, MEGA – contract INOVARE nr. 61/25.09.2007, participant
7. **Pn** -, *Instalație eoliană de mică și medie putere pentru agricultură și întreprinderi mici și mijlocii*”, EVANS - contract INOVARE nr. 82/25.09.2007, participant
8. **Pn** -”*Retea nationala de cercetare in domeniul ingineriei integrate a produselor si proceselor*”, INPRO - contract CEEX 243/2006, participant

9. **Pn** -*Manipulator telecomandat girostabilizat cu sistem de ochire optoelectronic integrat pentru armamentul de infanterie* , Contract INOVARE, nr. 284/2008, participant
10. **Pn** -*Tehnologii avansate de procesare a suprafetelor destinate productiei de piese si subansamble din industria auto*, contract nr. 72-207/2008, participant
11. **Pn** -*Formarea personalului didactic din învățământul secundar (ISCED 2-3) în vederea utilizării tehnologiei informației și a instrumentelor e-learning în activitatea didactică*, POSDRU/87/1.3/S/64227, Expert pe termen scurt, Instructor
12. **Pn** -*„Instalație și tehnologie de turnare în vid a reperelor mecanice din aliaje de aluminiu ale produsului Mira Reflex”*, MIRA - contract INOVARE nr. 79/25.09.2007, participant
13. **Pn** -*Reductor diferențial cu două trepte de reducere, cu aplicații într-o gamă largă de puteri și rapoarte de transmisie*, Contract INOVARE, nr. 285/2008, participant
14. **Pn** -*Instalație solară hibridă de înalt randament pentru uz casnic, climatizare și furnizarea apei calde menajere*, Contract INOVARE, nr. 283 /2008, participant
15. **Pn** - *Project PN III, European and International Cooperation – Horizon 2020, M.ERA-NET 11/2015: FUNCTIONAL HIERARCHICAL COMPOSITES FOR STRUCTURAL APPLICATIONS – HIEROCOMP-UEFISCDI, Contract nr. 11/2015*
16. **Pi** Sistem De Navigatie Pentru Endomicroscopie Confocala Laser Pentru Imbunatatirea Biopsiei Leziunilor Periferice Din Plamani – NAVICAD, Proiect nr: EEA-JRP-Ro-No-2013-1-0123

**Data:**

**06.06.2017**

**Semnătura:**