

**LISTA DE LUCRĂRI**  
**a cadrului didactic ANGHEL DANIEL CONSTANTIN**

**A. Teza de doctorat**

*Contribution a l'analyse des iterations dans le processus de conception: proposition d'indicateurs d'évaluation de performances - Contributii privind iteratiile si indicatorii de evaluare in procesul de conceptie*, Universitatea din Pitești și Université de Technologie de Belfort-Montbéliard, Franța, domeniul Inginerie Industrială. Prof. Olivier GARRO, Prof. Ion UNGUREANU, Conf. Toufik BOUDOUH, Inginerie industrială, 2007

**B. Cărți și capitole în cărți publicate în perioada 2009 - 2018**

**B1. Cărți și capitole în cărți de specialitate internaționale ca autor (cu ISBN extern)**

1. ANGHEL D-C., BOUDOUH T., GARRO O., *Analyse des iterations dans le processus de conception*, Éditions Universitaires Européennes, Sarrebruck, Allemagne, 164 p., ISBN: 978-613-1-56787-2., 2011

**B2. Cărți și capitole în cărți de specialitate naționale ca autor (cu ISBN intern)**

1. BANU I., ANGHEL D-C., *Fabricarea asistată de calculator*, Editura Universității din Pitești, 2011, 520 p., ISBN:978-606-560-225-0., 2011

2. NIȚU E-L., ANGHEL D-C., DOBRESCU I., IACOMI D., IORDACHE M., RIZEA A., VASILE Ghe., *Procese de fabricație specifice industriei de automobile*, Editura Universității din Pitești, e-ISBN 978-606-560-329-5, 522 pag., 2013

3. ANGHEL D-C., RIZEA A-D., SICOE GM, *Proiectarea funcțională a produselor*, Editura Universitatii din Pitesti, e-ISBN: 978-606-560-570-1, 2018, (TC\_9\_2018\_DFMI, TC\_20\_2018\_DFMI)

**B6. Îndrumare de laborator, culegere de probleme**

1. Alin-Daniel Rizea, Daniel-Constantin Anghel, Adriana-Gabriela Plăiașu, *Proiectarea funcțională a produselor. Lucrări de laborator*, Editura Universității din Pitești, 2018, e-ISBN: 978-606-560-599-2, 64 pag., 2012

2. Anghel D, Boroiu A, Rizea A, *Indrumar de practica - FMT*, editura universitatii din Pitesti, 214 pag., 2012

3. Anghel D.C., *Ergonomie - lucrari de laborator*, , 2012

4. Plăiașu G., Iordache M., Anghel D., Banu Il., Dobrescu I., *Tehnologia materialelor. Indrumar de laborator*, pag. 157, Editura Universității din Pitești, 2016, ISBN 978-606-560-476-6., 2016

**C. Lucrări (articole) ISI / BDI publicate în perioada 2009 - 2018**

**C1. Articole în reviste cotate ISI Thomson Reuters**

1. IUSTIN ALEXANDRU POPA, ANDREEA ELENA ROSU, GABRIEL NEACSU, DANIEL CONSTANTIN ANGHEL, VASILE RIZEA, MIHAI BRANZEI, CATALIN MARIAN DUCU, MARIA MAGDALENA DICU, MARIOARA ABRUDEANU, *The Influence of the High Temperatures Thermal Shocks on the Microstructure and Harness of Zircaloy-4 alloy*, Revista de chimie ISSN 0034-7752 ISSN CD-ROM: 2537-5733 ISSN-L 1582-9049 Vol. 69, no. 7 July, 2018, 2018, (TC\_6\_2018\_DFMI)

**C2. Articole în volume indexate ISI Proceedings**

1. Belu N., Anghel D.-C., Banu I., Ilie S., *Improvement of product quality based on Taguchi method*, ModTech International Conference - New face of TMCR Modern Technologies, Quality and Innovation - New face of TMCR, 21-23th May 2009, in Proceedings of the 13th International Conference Modern Technologies, Quality and Innovation, Iași&Chișinău, 21-23 May pp. 55-58, 2009., 2009

2. D.C. Anghel, A.G. Plaiășu, *Rapid prototyping - a method to improve the performances of design process*, MODTECH 2010: NEW FACE OF TMCR, PROCEEDINGS Book Series: Proceedings of the International Conference ModTech, MODTECH 2010, pag.47-50, www.webofknowledge.com., 2010
3. Plaiasu A.G., Anghel D-C, *Application of functional analysis to establish the process of nanostructured oxide film deposition*, MODTECH 2010: NEW FACE OF TMCR, PROCEEDINGS Book Series: Proceedings of the International Conference ModTech, pag. 459-462, www.webofknowledge.com., 2010
4. Banu Il., Anghel D-C, *Contributions to the quality study of the parts made of malleable iron used for manufacturing crankshafts*, MODTECH 2010: NEW FACE OF TMCR, PROCEEDINGS Book Series: Proceedings of the International Conference ModTech, www.webofknowledge.com., 2010
5. Anghel DC, Ilie N, *Study of informational interfaces existing between the tasks of a design project*, MODTECH 2011: NEW FACE OF T.M.C.R., VOL I AND II Book Series: International Conference ModTech ProceedingsPages: 13-16Published: 2011ConferenceConference: 15th International Conference of Modern Technoliges, Quality and InnovationLocation: Vadul lui Voda, MOLDOVADate: MAY 25-27, 2011, 2011
6. Ilie N, Anghel DC, Ilie S, *Project resources leveling using Primavera Software*, MODTECH 2011: NEW FACE OF T.M.C.R., VOL I AND II Book Series: International Conference ModTech ProceedingsPages: 497-500Published: 2011ConferenceConference: 15th International Conference of Modern Technoliges, Quality and InnovationLocation: Vadul lui Voda, MOLDOVADate: MAY 25-27, 2011, 2011
7. Belu N, Militaru E, Rachieru N, Anghel DC, *Failure Mode and Effects Analysis: a useful tool for risk identification and injury prevention in product development*, MODTECH 2012: NEW FACE OF T M C R, VOLS I AND II Book Series: International Conference ModTech ProceedingsPages: 101-104Published: 2012, 2012, (TC\_6\_2012\_DFMI, TC\_6\_2012\_DFMI)
8. Ene A, Anghel DC, *A neural networks application in ergonomics*, 2013 INTERNATIONAL CONFERENCE ON ELECTRONICS, COMPUTERS AND ARTIFICIAL INTELLIGENCE (ECAI) Published: 2013ConferenceConference: International Conference on Electronics, Computers and Artificial Intelligence(ECAI)Location: Univ Pitesti, Pitesti, ROMANIADate: JUN 27-29, 2013, 2013, (TC\_6\_2013\_DFMI, TC\_9\_2013\_DFMI, TC\_6\_2013\_DFMI, TC\_9\_2013\_DFMI)
9. Belu, N., Anghel D.C., Rachieru, N., *Application of Fuzzy Logic in Design Failure Mode and Effects Analysis*, 17th International Conference on Innovative Manufacturing Engineering – ImanE 2013, Iași, Romania, May 23-24, in Applied Mechanics and Materials, Vol. 371, pp. 832-836, 2013, Trans Tech Publications, Switzerland doi: 10.4028/www.scientific.net/AMM.371.832., 2013, (TC\_6\_2013\_DFMI, TC\_9\_2013\_DFMI, TC\_6\_2013\_DFMI, TC\_9\_2013\_DFMI)
10. Rachieru, N., Belu, N., Anghel D.C., *Improvement of Process Failure Mode and Effects Analysis using Fuzzy Logic*, 17th International Conference on Innovative Manufacturing Engineering – ImanE 2013, Iași, Romania, May 23-24, in Applied Mechanics and Materials, Vol. 371, pp. 822-826, 2013. TransTech Publications, Switzerland doi:10.4028/www.scientific.net/AMM.371.822., 2013, (TC\_9\_2013\_DFMI, TC\_9\_2013\_DFMI)
11. Anghel D.C., Belu, N., *Contribution to Ranking an Ergonomic Workstation, Considering the Human Effort and the Microclimate Parameters, using Neural Networks*, 17th International Conference on Innovative Manufacturing Engineering – ImanE 2013, Iași, Romania, May 23-24, in Applied Mechanics and Materials Vol. 371, pp 812-816, 2013. Trans Tech Publications, Switzerland doi: 10.4028/www.scientific.net/AMM.371.812., 2013, (TC\_9\_2013\_DFMI, TC\_9\_2013\_DFMI)
12. Belu, N., Anghel D.C., Rachieru, N., *Failure Mode and Effects Analysis on control equipment using fuzzy theory*, ModTech International Conference on Modern Technologies in Industrial Engineering (ModTech 2013 (conference volum ISBN-13:978-3-03785-929-2), June 27-29, Sinaia, Romania, in Advanced Materials Research Vol. 837, 2014, pp. 16-21, Trans Tech Publications,Switzerland, doi: 10.4028/www.scientific.net/AMR.837.16., 2014, (TC\_7\_2014\_DFMI, TC\_10\_2014\_DFMI, TC\_7\_2014\_DFMI, TC\_10\_2014\_DFMI)
13. Rachieru, N., Belu, N., Anghel D.C., *Evaluating the Risk of Failure on Injection Pump using Fuzzy FMEA Method*, Proceedings of Innovative Manufacturing Engineering International Conference, IManE, May 29-30, Chișinău-Republica Moldova, 2014. Applied Mechanics and Materials Vol. 657 (2014) pp 976-980. Trans Tech Publications, Switzerland doi:10.4028/www.scientific.net/AMM.657.976., 2014, (TC\_7\_2014\_DFMI, TC\_7\_2014\_DFMI)

14. Anghel D.C., Ene A., Belu N., *A Matlab neural network application for the study of working conditions*, ModTech International Conference on Modern Technologies in Industrial Engineering - ModTech 2013 (conference volum ISBN-13:978-3-03785-929-2), June 27-29, Sinaia, Romania, in *Advanced Materials Research* Vol. 837, pp. 310 - 315, 2014, Trans Tech Publications, Switzerland, doi: 10.4028/www.scientific.net/AMR.837.310., 2014, (TC\_7\_2014\_DFMI, TC\_10\_2014\_DFMI, TC\_7\_2014\_DFMI, TC\_10\_2014\_DFMI)
15. Rachieru, N., Belu, N., Anghel, D. C., *An improved method for risk evaluation in failure modes and effects analysis of CNC lathe*, Conference: 3rd International Conference on Modern Technologies in Industrial Engineering (ModTech) Location: Mamaia, Romania, Jun 17-20, 2015, Modern Technologies In Industrial Engineering (ModTech2015) Book Series: IOP Conference Series-Materials Science and Engineering Volume: 95 Article Number: 012139, 2015. , 2015, (TC\_7\_2015\_DFMI, TC\_10\_2015\_DFMI, TC\_7\_2015\_DFMI, TC\_10\_2015\_DFMI)
16. Ionescu L.M., Belu N., Rachieru N., Mazăre A., Anghel D.C., *Monitoring of manufacturing processes in the automotive industry using indoor location system*, ModTech International Conference - Modern Technologies in Industrial Engineering IV, Iași 15-18 of June 2016, in IOP Conf. Series: Materials Science and Engineering 145 (2016) 022020 doi:10.1088/1757-899X/145/2/022020., 2016, (TC\_6\_2016\_DFMI, TC\_9\_2016\_DFMI, TC\_6\_2016\_DFMI, TC\_9\_2016\_DFMI)
17. Anghel DC, Ene A, Stirbu C, Sicoe G, *A NEURAL NETWORKS APPLICATION FOR THE STUDY OF THE INFLUENCE OF TRANSPORT CONDITIONS ON THE WORKING PERFORMANCE*, INTERNATIONAL CONGRESS OF AUTOMOTIVE AND TRANSPORT ENGINEERING - MOBILITY ENGINEERING AND ENVIRONMENT (CAR2017) Book Series: IOP Conference Series-Materials Science and Engineering Volume: 252 Article Number: UNSP 012043 DOI: 10.1088/1757-899X/252/1/012043 Published: 2017, 2017, (TC\_12\_2017\_DFMI, TC\_12\_2017\_DFMI)
18. Tudora C, Abrudeanu M, Stanciu S, Anghel D, Plaiasu GA, Rizea V, Stirbu I, Cimpoesu N, *Preliminary Results on Thermal Shock Behavior of CuZnAl Shape Memory Alloy Using a Solar Concentrator as Heating Source*, IOP Conference Series: Materials Science and Engineering. IOP Publishing, 2018. p. 012024. ISSN: 1757-8981, 2018, (TC\_7\_2018\_DFMI, TC\_20\_2018\_DFMI)

### **C3. Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale**

1. Anghel D.-C. Belu N., *A study of the iterations in the design process, based on Markov Chain Model*, Modelling and Optimization in the Machines Building Field, MOCM – Nr. 15, Vol. III, Revistă B+, cod 461/2007, Indexată BDI: ProQuest (CSA - USA) și Viniti (Russia), ISSN: 1224-7480., 2009
2. Anghel D.-C., Belu N., *A study of the intermediary objects in design process*, Modelling and Optimization in the Machines Building Field, MOCM – Nr. 15, Vol. III, cod 461/2007, Indexată BDI: ProQuest (CSA - USA) și Viniti (Russia), ISSN: 1224-7480, 2009
3. Belu N., Anghel D.-C., Ilie S., *Contributions to monitoring of the design processes based on the interaction between participants*, Scientific Bulletin Faculty of Mechanics and Technology University of Pitesti, Automotive Series, year XV, no.19, vol. A, ISSN 1453-1100, pp.47-52, 2009. (BDI: Index Copernicus)., 2009
4. Anghel D. C., Belu N., *Rapid prototyping in iterative design, using Catia V5 and Zprinter 310 PLUS*, Scientific Bulletin Faculty of Mechanics and Technology University of Pitesti, Automotive Series, year XV, no.19, ISSN 1453-1100, vol. A, ISSN 1453-1100, pp.17-22, 2009. (BDI: Index Copernicus)., 2009
5. Anghel D.-C., Belu N., *The prototype in the design product*, Annual Session of Scientific Papers “IMT Oradea 2009”, in Annals of the Oradea University. Fascicle of Management and Technological Engineering, Volume VIII (XVIII), pp. 903-906, ISSN 1583 – 0691 CNCSIS Clasa B+, 2009, doi: 10.15660/AUOFMTE.2009.1533. (BDI: Index Copernicus, Ulrichsweb). , 2009
6. Belu N., Anghel D.-C., *Application of FMEA method in the design*, Annual Session of Scientific Papers “IMT Oradea 2009”, in Annals of the Oradea University. Fascicle of Management and Technological Engineering, Volume VIII (XVIII), pp. 954-958, ISSN 1583 - 0691, CNCSIS Clasa B+, 2009, doi: 10.15660/AUOFMTE.2009.1544. (BDI: Index Copernicus, Ulrichsweb). , 2009
7. Belu N., Anghel D.-C., Ilie S., *Project management using Primavera for Enterprise System*, Annual Session of Scientific Papers IMT ORADEA – 2010, Oradea May 27-28th, in Annals of the Oradea University. Fascicle of Management and Technological Engineering, Volume IX (XIX), Nr1, pp. 4.17-4.26, CNCSIS

Clasa B+, 2010, doi: 10.15660/AUOFMTE.2010-1.1804, ISSN 1583 – 0691 (BDI: Index Copernicus, Ulrichsweb)., 2010

8. Belu N., Anghel D.-C., *Project management in design stage*, Annual Session of Scientific Papers IMT ORADEA – 2010, Oradea May 27-28th, in Annals of the Oradea University. Fascicle of Management and Technological Engineering, Volume IX (XIX), Nr2, pp. 4.16-4.23., ISSN 1583 – 0691, CNCSIS Clasa B+, 2010, doi: 10.15660/AUOFMTE.2010-2.1942 (BDI: Index Copernicus, Ulrichsweb)., 2010

9. Anghel D.-C., Belu N., Rizea A. D., *Utilization of the innovative methods in the redesign process of a product*, Scientific Bulletin, University of Pitesti, Faculty of Mechanics and Technology, Automotive series, year XVII, no.21 (A), ISSN 1453-1100, pp. 22-32, 2011. (BDI: Index Copernicus)., 2011

10. Ilie N., Anghel D.- C., Ilie S., *Aspects on applying of functional analysis method to products design and its relationships with other various design methods*, Annual Session of Scientific Papers IMT Oradea – 2011 Oradea, Felix Spa, May 26-28th, în Annals of the Oradea University. Fascicle of Management and Technological Engineering, Volume X (XX), nr2, pp. 5.134-5.141, 2011 ISSN 1583 – 0691, CNCSIS Clasa B+, Doi: 10.15660/AUOFMTE.2011-2.2304 (BDI: Index Copernicus, Ulrichsweb)., 2011

11. Rizea A. D., Belu N., Anghel D. &ndash;C., *Aspects concerning the influence exerted by the properties of ceramic materials on the cutting mechanism and the surface quality*, Scientific Bulletin, University of Pitesti, Faculty of Mechanics and Technology, Automotive series, year XVII, no.21 (A), ISSN 1453-1100, pp. 44-48, 2011. (BDI: Index Copernicus), 2011

12. Belu, N., Rachieru, N., Militaru, E., Anghel D.C., *Application of FMEA method in product development stage*, Academic Journal of Manufacturing Engineering, volume 10, Issue3, Cod CNCSIS 127, Revistă B+ , ISSN 1583-7904, pp.12-19, 2012 (BDI: Index Copernicus), 2012

13. Anghel D.-C., Belu N., Rizea A. D., *Use the RULA method to design ergonomic workstations in Catia V5*, Scientific Bulletin, University of Pitesti, Faculty of Mechanics and Technology, Automotive series year XVIII, No. 22, Volume B, pp. 13-18, ISSN 1453-1100, 2012. (BDI: Index Copernicus)., 2012

14. Anghel D.-C., Belu N., *Application of design for manufacturing approach to designing a shaft of a gearbox, in CATIA V5*, Scientific Bulletin, University of Pitesti, Faculty of Mechanics and Technology, Automotive series, year XIX, no.23 B, ISSN 1453-1100, pp. 5-11, 2013. (BDI: Index Copernicus)., 2013

15. Belu, N., Anghel D.C., Rachieru, N., *Fuzzy Failure Mode and Effect Analysis Application to Improve Laser Cutting Process*, Advanced Materials Research Vol. 1036 (2014) pp 280-285. Trans Tech Publications, doi:10.4028/www.scientific.net/AMR.1036.280., 2014, (TC\_7\_2014\_DFMI, TC\_10\_2014\_DFMI, TC\_7\_2014\_DFMI, TC\_10\_2014\_DFMI)

16. Anghel D.C., Belu, N., Rachieru, N., *How to redesign ergonomic workstations, using neural networks and the Rula method in CATIA V5*, Advanced Materials Research Vol. 1036 (2014) pp 995-1000. Trans Tech Publications, Switzerland doi:10.4028/www.scientific.net/AMR.1036.995., 2014, (TC\_7\_2014\_DFMI, TC\_10\_2014\_DFMI, TC\_7\_2014\_DFMI, TC\_10\_2014\_DFMI)

17. Anghel, D.C., Belu, N., *Contributions to Predict the Malfunction Probability of the Human-Machine-Environment System, Using Artificial Neural Networks.*, Applied Mechanics and Materials Vol. 760 (2015), pp. 771-776. Trans Tech Publications., 2015, (TC\_7\_2015\_DFMI, TC\_10\_2015\_DFMI, TC\_7\_2015\_DFMI, TC\_10\_2015\_DFMI)

18. Isac. N, Anghel D.C., Yanik T., *Contributions to achieve an innovative study of motivational parameters, based on the human operator satisfaction and performance, using Artificial Neural Networks*, 2nd International Conference on“ New Directions In Multidisciplinary Research & Practice” (NDMRP- 2015), ISBN: 978-969-9948-29-9, 2015, (TC\_10\_2015\_DFMI, TC\_10\_2015\_DFMI)

19. Belu N., Ionescu L. M., Anghel D.C, Rachieru N., *Improvement of Manufacturing Process by Reducing of the Failures Ratio through Genetic Algorithm*, Applied Mechanics and Materials, vol. 834 (2016), pp. 61-66, doi: 10.4028/www.scientific.net/AMM.834.61., 2016, (TC\_6\_2016\_DFMI, TC\_9\_2016\_DFMI, TC\_6\_2016\_DFMI, TC\_9\_2016\_DFMI)

20. Daniel – Constantin ANGHEL , Mihai Octavian CRĂCĂNEL, *Design Of A Low-Cost Cnc Milling Machine, Using Some Aspect Of Parallel Engineering Concept*, Scientific Bulletin, University of Pitesti, Faculty of Mechanics and Technology, Automotive series, year XXII, no. 26, ISSN 1453-1100, pp 46-51.The journal in currently indexed in: CrossRef, Index CopernicusB-rated journal by the Romanian National Research Administration, 2016, (TC\_6\_2016\_DFMI, TC\_6\_2016\_DFMI)

21. Daniel-Constantin Anghel, Nadia Belu, Laurentiu-Mihai Ionescu, Nicoleta Rachieru, *Study of iterations in the design process of a product for automotive industry*, 21st Innovative Manufacturing

Engineering & Energy International Conference – IManE&E 2017, MATEC Web Conf., Volume 112, 2017, 2017, (TC\_12\_2017\_DFMI, TC\_12\_2017\_DFMI)

22. DC Anghel, A Ene, *The estimation with Artificial Neural Networks of some quality parameters for the surfaces processed by superfinishing*, 21st Innovative Manufacturing Engineering & Energy International Conference – IManE&E 2017, MATEC Web Conf., Volume 112, 2017, 2017, (TC\_12\_2017\_DFMI, TC\_12\_2017\_DFMI)

23. Alin GAVRILUȚĂ, Eduard NIȚU, Ana GAVRILUȚĂ, Alin RIZEA, Daniel ANGHEL, Nadia BELU, *Designing a layout for an assembly line used in the automotive industry*, Review of Management and Economic Engineering (RMEE) 6 th International Management Conference RMEE2018 - Performance Management or Management Performance? Cluj Napoca Romania, 2018, (TC\_8\_2018\_DFMI)

24. Alexandru Ene, Daniel-Constantin Anghel, *A qualitative estimation of the influence of transport factors on the work efficiency*, 22nd International Conference on Innovative Manufacturing Engineering and Energy - IManE&E 2018 MATEC Web of Conferences, 2018 eISSN: 2261-236X, 2018, (TC\_3\_2018\_DFMI)

25. Daniel-Constantin Anghel, Alexandru Ene, *Study of the influence of the technological parameters on the weld quality using artificial neural networks*, MATEC Web Conf., Volume 178, 2018 22nd International Conference on Innovative Manufacturing Engineering and Energy - IManE&E 2018 Article Number 03011, 2018, (TC\_20\_2018\_DFMI, TC\_21\_2018\_DFMI)

26. Anghel, D. C., Beșliu-Gherghescu, M. L., Stănescu, N. D., *Optimized Prototyping for the Increasing of Performances of a Design Process*, International Congress of Automotive and Transport Engineering (pp. 446-454). Springer, Cham./ , 2018, (TC\_20\_2018\_DFMI)

27. Rachieru N, Belu N, Ionescu L M, Anghel D C, *Using the decisions theory for establishing the site of a new manufacturing sector*, IOP Conf. Series: Materials Science and Engineering 400 (2018) 062025, 2018, (TC\_5\_2018\_DFMI)

#### **D. Lucrări (articole) publicate în perioada 2009 - 2018 în reviste și volume de conferințe cu referenți (neindexate)**

##### **D1. Articole în reviste**

1. Anghel D.-C., Belu N., *A study of the intermediary objects in design process*, Modelling and Optimization in the Machines Building Field, MOCM – Nr. 15, Vol. II, ISSN: 1224-7480, 2009. cod CNCSIS 461, Revistă B., 2009

##### **D2. Articole în volumele manifestărilor științifice**

1. Study of the impact of the rapid prototyping method on the performances of a design process, *Study of the impact of the rapid prototyping method on the performances of a design process*, International Automotive Congress, CONAT 2010, XI-th Edition, October 27 – 29, Brașov, publicat în Congress Proceedings ISSN 2069- 0428, pp. 155-162, 2010., 2010

2. Belu N., Anghel D.- C. Rachieru Nicoleta, Militaru Emil, *Continuous improvement of production process using Process Failure Mode and Effects Analysis in the automotive industry*, , 2012

#### **F. Granturi / proiecte de cercetare în perioada 2009 - 2018**

##### **F1. Granturi / proiecte câștigate prin competiție internațională**

1. *Solar Facilities for European Research Area (SFERA): Influence of structural transformations performed by thermal shock on thermal diffusivity alloy zircaloy-4*, Mărioara ABRUDEANU, Vasile RIZEA, Daniel- Constantin ANGHEL, Solar Facilities for European Research Area (SFERA): Transnational projects FP7, COMISIA EUROPEANĂ, Contract nr.312643, 2015, 0.00, (TC\_1\_2015\_DFMI, TC\_1\_2015\_DFMI)

2. *STUDY OF VARIATION OF THE MECHANICAL PROPERTIES OF SUPERALLOYS INCONEL 718 AND RENE 41 UNDER THERMAL SHOCK – (TERMOINCORENE -2016)*, Daniel-Constantin ANGHEL, Mărioara ABRUDEANU, Adriana-Gabriela PLĂIASU, Vasile RIZEA, Luminita CONSTANTINESCU, Solar Facilities for European Research Area (SFERA): Transnational projects FP7, COMISIA EUROPEANĂ, Contract nr.312643, 2016, 51446.00, (TC\_1\_2016\_DFMI)

3. *THERMAL SHOCK AND FATIGUE ON SHAPE MEMORY ALLOY FROM CuZnAl and CuAlNi SYSTEMS – HTSMAs" TERMOMEM*, ANGHEL DANIEL CONSTANTIN, ABRUDEANU MARIOARA, ANGHEL DANIEL CONSTANTIN, PLAIASU ADRIANA GABRIELA, RIZEA VASILE, Cod: Solar Facilities for European Research Area (SFERA): Transnational projects FP7, COMISIA EUROPEANĂ, beneficiar: Pltaforma solar de Almeira -CIEMAT PSA /PROMES CNRS/UPit, anul: 2017, domeniul științific:

Eco-nanotehnologii si materiale avansate, valoare: 36075.00, 2017, 36075.00, (TC\_2\_2017\_DFMI, TC\_2\_2017\_DFMI)

## **F2. Granturi / proiecte câștigate prin competiție națională**

1. MAZĂRE Alin Gheorghită, IONESCU Laurențiu Mihai, Bizon Nicu, Liță Ioan, Șerban Gheorghe, Anghelescu T. Petre, Oproescu Mihai, Vișan Daniel, Georgescu Cristian Belu Nadia, Anghel Daniel Constantin, *Sistem electronic complex pentru monitorizarea condițiilor de apariție a stresului hidric cu algoritmi inteligenți de prelucrarea datelor pentru avertizare și prevenirea acestuia în horticultură*, "Creșterea capacității instituționale de cercetare bioeconomică pentru exploatarea inovatoare a resurselor vegetale autohtone, în vederea obținerii de produse horticoale cu valoare adăugată ridicată" – BIOHORTINOV, cod de înregistrare: PN-III-P1-1.2-PCCDI-2017-0332Proiect 1, 2018, (TC\_15\_2018\_DFMI)

2. ANGHEL DANIEL CONSTANTIN, GAVRILUTA CORNELIA ANA, PLAIASU ADRIANA GABRIELA, IORDACHE DANIELA MONICA, BELU NADIA, RIZEA ALIN DANIEL, STANESCU NICOLAE DORU, ANGHEL DANIEL CONSTANTIN, NITU EDUARD LAURENTIU, *TEHNOLOGII DE FABRICARE INTELIGENTE PENTRU PRODUCTIA AVANSATĂ A PIESELOR DIN INDUSTRIILE DE AUTOMOBILE ȘI AERONAUTICĂ (TFI PMAIAA)*, Cod: Programul P1 - Dezvoltarea sistemului național de Cercetare-Dezvoltare Axa prioritară 2 -Subprogramul 1.2 - Performanță instituțională. Proiecte de dezvoltare instituțională - Proiecte Complexe realizate în consorții CDI, beneficiar: Univ. "V. Alecsandri" din Bacau, anul: 2018, domeniul stiintific: Tehnologii noi și emergente, valoare: 306675.00, 2018, (TC\_8\_2018\_DFMI)

3. ANGHEL DANIEL CONSTANTIN, RIZEA ALIN DANIEL, STANESCU NICOLAE DORU, NITU EDUARD LAURENTIU, IORDACHE DANIELA MONICA, VIERU IONEL, TABACU STEFAN LUCIAN, SICOE GINA MIHAELA, PLAIASU ADRIANA GABRIELA, ANGHEL DANIEL CONSTANTIN, *Implementarea tehnologiilor aditive în fabricarea componentelor complexe și suprasolicitate*", Cod PN-III-P1-1.2-PCCDI-2017-0224, Cod: Programul P1 - Dezvoltarea sistemului național de Cercetare-Dezvoltare Axa prioritară 2 -Subprogramul 1.2 - Performanță instituțională. Proiecte de dezvoltare instituțională - Proiecte Complexe realizate în consorții CDI, beneficiar: Institutul Național de Cercetare-Dezvoltare pentru Mecatronică si Tehnica Măsurării – INCDMTM, anul: 2018, domeniul stiintific: Tehnologii noi și emergente, valoare: 250793.00, 2018, (TC\_9\_2018\_DFMI)

## **F3. Contracte de cercetare cu mediul socio-economic**

1. Daniel-Constantin ANGHEL, Constantin ONESCU, *Concepția unui tribometru instrumentat pentru studiul frecării și al uzurii pentru piese de diferite materiale utilizate în construcția de automobile*, Contract SC AKA Automotiv Călinești, 2015

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**Cadrul didactic ANGHEL DANIEL CONSTANTIN  
Semnătura**