UNIVERSITATEA din Piteşti **Anexa 5.b**
Facultatea de Mecanică şi Tehnologie
Departamentul de Fabricatie si Management Industrial

LISTA DE LUCRĂRI
a cadrului didactic GAVRILUTA CORNELIA ANA

A. Teza de doctorat

Cercetări privind influenţa metodelor de conducere a producţiei în flux tras asupra indicatorilor de performanţă ai unei linii de producţie, Universitatea din Pitesti, domeniul Inginerie Industriala, Inginerie și management, 2011

Cercetări privind influenţa metodelor de conducere a producţiei în flux tras asupra indicatorilor de performanţă ai unei linii de producţie, Universitatea din Pitesti, domeniul Inginerie Industriala, Inginerie și management, 2011

B. Cărţi şi capitole în cărţi publicate în perioada 2008 - 2021

B2. Cărţi şi capitole în cărţi de specialitate naţionale ca autor (cu ISBN intern)

1. Iacomi D., Nițu E., **Gavriluță A**., *Tehnologia fabricării produselor - Ghid de proiectare a tehnologiilor de prelucrare prin aşchiere,* Ed Universității din Pitești, e-ISBN 978-606-560-500-8, 214 pag., 2016, (TC_7_2016_DFMI, TC_7_2016_DFMI)

2. Gavriluța A., *Managementul Logisticii,* Editura Universității din Piteşti, e-ISBN : 978-606-560-714-9 , 124 pag., 2021 (TC_15_2021_DFMI)

3. **Gavriluță A**, Belu N., Gavriluță C. A. Anghel D., Rizea A., Neacșu C., Pascu I - Coordonator Nitu E., *Îmbunătățirea fluxurilor de producție: metodologie de aplicare pentru liniile de asamblare,* Editura Universităţii din Piteşti, ISBN: 978-606-560-22021, 194 pag., 2021)

B5. Manuale didactice, suport de curs

1. **Gavriluta A**, *Managementul Logisticii I - suport de curs*, Pitesti, 70 pag, 2019
2. **Gavriluta A**, *Inpreprindere simulata - suport de curs*, Pitesti, 80 pag, 2020
3. **Gavriluța A**, *Modelarea si simularea sistemelor de producție - suport de curs*, Pitesti, 57, 2020

B6. Îndrumare de laborator, culegere de probleme

1. Nițu E., Belu N., **Rotaru A**., Ingineria sistemelor de producție 1,2 - Îndrumar de laborator, Editura Universităţii din Piteşti, 2006, ISBN 973-690-532-2 (978-973-690-532-2)
2. Nițu E., Belu N., **Rotaru A**., *Ingineria şi managementul producţiei 2 - Lucrări de laborator,* Pitesti, 150 pag, 2012
3. Nițu E., **Rotaru A**., Belu N.,, *Ingineria şi managementul producţiei 1 - Lucrări de laborator,* Pitesti, 152 pag., 2012
4. **Gavriluță A**., *Gestiunea integrată a producției - Lucrări de laborator*, Pitesti, 50 pag, 2018
5. **Gavriluta A**., *Managementul Logisticii I - lucrari de laborator*, Pitesti, pag. 66, 2019
6. **Gavriluta A.,** *Intreprindere simulată,* Pitesti, pag. 67, 2020
7. **Gavriluta A**., *Modelarea si simularea sistemelor de producție - lucrari de laborator*, Pitesti, 110 pag, 2020
8. **Gavriluta A,** *Managementul Logisticii II - lucrari de laborator*, Pitesti, 63 pag., 2020

C. Lucrări (articole) ISI / BDI publicate în perioada 2008 - 2021

C1. Articole în reviste cotate ISI Thomson Reuters

1. Gavriluta A., Nitu E. L., Gavriluta C. A, *Algorithm to Use Some Specific Lean Manufacturing Methods: Application in an Industrial Production Process,* PROCESSES, Volume 9, Issue 4, IF 2.847, doi.org/10.3390/pr9040641, 2021, (TC_14_2021_DFMI)

C2. Articole în volume indexate ISI Proceedings

1. Gavriluta Alin, Ana Rotaru,, *Using functional modelling for a better understanding of industrial system,* Proceedings of the 16th International Conference Modtech, New face of T.M.C.R, 2012, Sinaia, Vol. II, ISSN:2069-6736, (WOS:000392261800102), 2012, (TC_9_2012_DFMI, TC_9_2012_DFMI)

2. Rotaru Ana, *Comparison between two pull control systems: KANBAN and BASE STOCK*, Proceedings of the 16th International Conference Modtech, New face of T.M.C.R, 2012, Sinaia, Vol. II, ISSN:2069-6736, (WOS:000392261800215), 2012, (TC_9_2012_DFMI, TC_9_2012_DFMI)

3. Niţu Eduard, Rotaru Ana, Gavriluţă Alin, *Performance Analysis of a Layout of an Assembly Line Supplied Based on Stock or Synchronous,,* Applied Mechanics and Materials Vol. 371, pp 42-47 (WOS: 000334556900009), 2013, (TC_10_2013_DFMI, TC_10_2013_DFMI)

4. Rotaru Ana, Gavriluță Alin, Nițu Eduard, *Functional Modeling of an Assembly Line Supplied in Synchronous,* Applied Mechanics and Materials Vol. 371, pp 116-120, 2013 (WOS: 000334556900023), 2013, (TC_10_2013_DFMI, TC_10_2013_DFMI)

5. Rotaru Ana, Gavriluţă Alin, Niţu Eduard,, *Influence of Production Flow Management Methods on an Assembly Line Supplied on Stock,,* Applied Mechanics and Materials Vol. 657, pp 971-975 (WOS:000348898000190), 2014, (TC_11_2014_DFMI, TC_11_2014_DFMI)

6. Gavriluță Alin, Niţu Eduard, Rotaru Ana, *The Analysis of Performances of an Assembly Line in Synchronous Supply Managed with Kanban and Conwip Method,* Applied Mechanics and Materials Vol. 657, pp 966-970 (WOS:000348898000189), 2014, (TC_11_2014_DFMI, TC_11_2014_DFMI)

7. Alin Gavriluță, Eduard-Laurențiu Nițu, Ana Gavriluță and Jérémie Schutz, *Analysis on the influence of supply method on a workstation with the help of dynamic simulation,* IManE&E 2017, publicată în MATEC Web of Conferences 112, 06021 (2017) (doi: 10.1051/matecconf/201711206021)BDI: Chemical Abstracts Service (CAS), Compendex (Engineering Village), Conference Proceedings Citation Index (Web of Science), DOAJ, EBSCO (EBSCO Discovery Service), Google Scholar, Inspec, Polymer Library, Scopus, Materials Science & Engineering Database (ProQuest), SciTech Premium Collection (ProQuest),Technology Collection (ProQuest), 2017, (TC_17_2017_DFMI)

8. Alin Gavriluță, Ana Gavriluță, Eduard-Laurențiu Nițu and Jérémie Schutz, *From 3D layout to dynamic simulation model,* IManE&E 2017, publicată în MATEC Web of Conferences 112, 06020 (2017) (doi: 10.1051/matecconf/201711206020)BDI: Chemical Abstracts Service (CAS), Compendex (Engineering Village), Conference Proceedings Citation Index (Web of Science), DOAJ, EBSCO (EBSCO Discovery Service), Google Scholar, Inspec, Polymer Library, Scopus, Materials Science & Engineering Database (ProQuest), SciTech Premium Collection (ProQuest),Technology Collection (ProQuest), 2017, (TC_17_2017_DFMI)

9. N. Belu, A.D. Rizea, E.L. Nitu, A.C. Gavriluta and A.C. Gavriluta, *An application of Six Sigma to PPM reduction in the relationship with the external customer,* IOP Conf. Series: Materials Science and Engineering 400 (2018) 062006. ModTech 2018 International Conference., ISSN: 1757-8981, 2018, (TC_8_2018_DFMI)

10. Alin Gavriluta, Eduard Nitu, Ana Gavriluta, Nadia Belu, Alin Rizea, *Methodology for designing the layout for an assembly line to the automotive industry using the lean concept*, Proceedings of the 6th RMEE Management Conference, pp. 495-502, ISSN 2247-8639, Todesco Publishing House, Cluj-Napoca, 2018, (TC_8_2018_DFMI)

11. Alin GAVRILUŢĂ, Eduard NIŢU, Ana GAVRILUŢĂ, Alin RIZEA, Daniel Anghel, Nadia Belu, *Designing a layout for an assembly line used in the automotive industry*, Proceedings of the 6th RMEE Management Conference, pp. 646-654, ISSN 2247-8639, Todesco Publishing House, Cluj-Napoca(RMEE 2018 - Technical University of Cluj-Napoca, 20-22 september 2018) , 2018, (TC_8_2018_DFMI)

12. Gavriluță Ana, *Study on improvement of a manufacturing system using Lean Manufacturing*, 8th International Multidisciplinary Symposium „Challenges and opportunities for sustainable development through quality and innovation in engineering and research management", Universitaria SIMPRO, Universitatea din Petroșani, Publicat în Revista Calitatea - acces la succes, vol 20, S1, ISSN: 1582-2559, pp 365-370 , 2018, (TC_23_2018_DFMI)

13. A Gavriluță, C A Gavriluță, I Pascu, C Neacșu, *The development of a methodology of learning to use simulation in the analysis of production system performances,* IOP Conf. Series: Materials Science and Engineering 564 (2019) (23rd International Conference on Innovative Manufacturing Engineering and Energy - IManE&E 2019), IOP Publishing, doi:10.1088/1757-899X/564/1/, 2019, (TC_16_2019_DFMI)

14. D-C. Anghel, E-L. Niţu, A-D. Rizea, A. Gavriluță, A. Gavriluță, Nadia Belu, *Ergonomics study on an assembly line used in the automotive industry,,* MATEC Web of Conferences 290(2) - (2019), Article number 12001 (The 9th International Conference on Manufacturing Science and Education – MSE, Sibiu, Romania, June 5-7th, 2019),doi: 10.1051/matecconf/201929012001, 2019, (TC_16_2019_DFMI)

15. N Belu, E L Nitu, AC Gavriluta and L M Ionescu, *An approach with genetic algorithms to improve the workstation space planning,,* IOP Conf. Series: Materials Science and Engineering 591 (2019) 012002

(Modern Technologies in Industrial Engineering VII - ModTech2019), IOP Publishing,doi:10.1088/1757-899X/591/1/012002, 2019, (TC_16_2019_DFMI)

16. E L Nitu and A C Gavriluta, *Lean Learning Factory at the University of Pitesti*, IOP Conf. Series: Materials Science and Engineering 591 (2019) 012095 (Modern Technologies in Industrial Engineering VII - ModTech2019), IOP Publishing,doi:10.1088/1757-899X/591/1/012095, 2019, (TC_16_2019_DFMI)

17. A Gavriluță, C A Gavriluță, C Neacșu, I Pascu, *Experimentation of a methodology to use modelling and simulation in the analysis of performances of an automotive industry production system*, IOP Conf. Series: Materials Science and Engineering 564 (2019) (23rd International Conference on Innovative Manufacturing Engineering and Energy - IManE&E 2019), IOP Publishing, doi:10.1088/1757-899X/564/1/, 2019, (TC_16_2019_DFMI)

C3. Articole în reviste şi volumele unor manifestări ştiinţifice indexate în alte baze de date internaţionale

1. Rotaru Ana, *Implementing Lean Manufacturing,,* The Annals of "Dunărea de Jos" University of Galaţi, Fascicle V, Technologies in Machine Building, ISSN 1221-4566, pag.120-123, indexată în Thomson-Dialog, www.tcm.ugal.ro, 2008

2. Rotaru Ana, *Total Productive Maintenance Overview,,* The Annals of "Dunărea de Jos" University of Galaţi, Fascicle V, Technologies in Machine Building, ISSN 1221-4566, pag.114-119, indexată în Thomson-Dialog, www.tcm.ugal.ro, 2008

3. Rotaru Ana, *All about TAKT TIME,* Annals of the Oradea University. Fascicle of Management and Tehnological Engineerging , pag 2688 – 2691, indexata Ulrichsweb, 2008

4. Rotaru Ana, *Lean manufacturing the way to a performant manufacturing system,* Academic Journal of Manufacturing Engineering, nr. 6, pag 151-156, indexata Ulrichsweb, 2008

5. Rotaru Ana, *Teaching Lean Manufacturing concept,* Annals of the Oradea University. Fascicle of Management and Tehnological Engineerging , pag 2692 - 2697, indexata Ulrichsweb, 2008

6. Rotaru Ana, *The organizing of the manufacturing system into kanban system,,* Academic Journal of Manufacturing Engineering, nr. 6, pag 157-162, indexata Ulrichsweb, 2008

7. Rotaru Ana, *The evolution a pull systems: kanban, conwip and hybrid,* Annals of the Oradea University. Fascicle of Management and Tehnological Engineerging , pag 1219 - 1224, indexata Ulrichsweb, 2009

8. Rotaru Ana, *Current state evaluation of a production system with help of value stream map,* Annals of the Oradea University. Fascicle of Management and Tehnological Engineerging , pag 1213 - 1218, 2009, indexata Ulrichsweb, 2009

9. Rotaru Ana, *OEE – A KEY OF STABILIZES THE PRODUCTION,,* Review of Management and Economic Engineering, nr. 1A (31) pag. 155-160, 2009, indexata Ulrichsweb şi Indexcopernicus, 2009

10. Rotaru Ana, *Performance analyses of kanban controlled production system using simulation,* Annals of the Oradea University. Fascicle of Management and Tehnological Engineerging , pag 4231 - 4236, 2010, indexata Ulrichsweb, 2010

11. Rotaru Ana, *Performance analyses of conwip controlled production system using simulation,* Annals of the Oradea University. Fascicle of Management and Tehnological Engineerging , pag 4200 - 4205, 2010, indexata Ulrichsweb, 2010

12. Rotaru Ana, *Performance analyses of conwip – base stock controlled production system using simulation,,* Scientific bulletin automotive faculty of mechanics and technology series, year XVI, no.20 (1) pag. 83-90, 2010, indexata indexCopernicus, 2010

13. Rotaru Ana, *Performance analyses of base stock controlled production system using simulation,,* Annals of the Oradea University. Fascicle of Management and Tehnological Engineerging , pag 5289-5294, 2011, indexata Ulrichsweb, 2011

14. Rotaru Ana, *Comparison between tree pull control systems: kanban conwip and base stock,,* Annals of the Oradea University. Fascicle of Management and Tehnological Engineerging , pag. 5267-5272, 2011, indexata Ulrichsweb, 2011

15. Ana Rotaru, Gavriluta Alin, *Functional modeling using IDEF0 to describe a manufacturing system,,* Annals of the Oradea University. Fascicle of Management and Tehnological Engineerging, volumul 2, pag 5104-5110, 2012, indexata Ulrichsweb, 2012, (TC_9_2012_DFMI, TC_9_2012_DFMI)

16. Rotaru Ana, *Performance analyses of hibride control production systems using simulation,* Annals of the Oradea University. Fascicle of Management and Tehnological Engineerging, volumul 1, pag. 5104-5109, 2012, indexata Ulrichsweb, 2012, (TC_9_2012_DFMI, TC_9_2012_DFMI)

17. Rotaru Ana, Gavrilută Alin, Eduard Niţu,, *Functional modeling of an assembly line using IDEF0 standard,* Proceedings of the 3th Review of Management and Economic Engineering / International Management Conference "A new dilemma: between East and West", ISSN: 2247-8639, pp. 360-367, 2012, Cluj Napoca (BDI: ULRICHS, EBSCO ș.a.), 2012, (TC_9_2012_DFMI, TC_9_2012_DFMI)

18. Gavrilută Alin, Eduard Niţu, Rotaru Ana,, *The impact of supply methods on the workstations layout design,* Proceedings of the 3th Review of Management and Economic Engineering – International Management Conference "A new dilemma: between East and West", ISSN: 2247-8639, pp. 263-274, 2012, Cluj Napoca (BDI: ULRICHS, EBSCO ș.a.),, 2012, (TC_9_2012_DFMI, TC_9_2012_DFMI)

19. Rotaru Ana, *The influence of the production control methods in pull flow on the cost per unit of produc,* Scientific bulletin automotive series, year XVIII, no.22(1), volumul B ISSN: 1453-1100, University of Pitesti, pag:122-129, 2012, 2012, (TC_9_2012_DFMI, TC_9_2012_DFMI)

20. Gavriluţă Alin, Rotaru Ana, NIŢU Eduard, *The Analysis Of Performances Of An Assembly Line In Strike-Zone Supply Method Managed With Kanban And Conwip,* Advanced Technologies in Designing and Progressive Development of Manufacturing Systems, ICAMaT 2014, pag 225-230 October 23-24, Bucureşti, 2014, (TC_11_2014_DFMI, TC_11_2014_DFMI)

21. Gavriluță Ana, *Analysis of Production Line Controlled with Kanban Method,* IMANE 2015, publicatî în Applied Mechanics and Materials, vol 809-810, pp (doi:10.4028/www.scientific.net/AMM.809-810.1384), 2015, (TC_11_2015_DFMI, TC_11_2015_DFMI)

22. Gavriluță Ana, *Improvement of the supply method of a production system using Lean Manufacturing concept,* Supply Chain Management Journal , ISSN – 2069-5519, (ISSN 2284-6492 – ONLINE), Volumul 7, No. 2, (BDI: INDEX COPERNICUS INTERNATIONAL), 2016, (TC_10_2016_DFMI, TC_10_2016_DFMI)

23. Gavriluță Ana, *ANALYSIS OF A PRODUCTION SYSTEM WITH THE HELP OF LEAN MANUFACTURING TOOLS,* The 19th International Conference TEHNOMUS, NEW TECHNOLOGIES AND PRODUCTS IN MACHINE MANUFACTURING TECHNOLOGIES publicat în TEHNOMUS- New Technologies and Products in Machine Manufacturing Technologies, pag.88-93BDI: Index Copernicus, EBSCO, UlrichsWeb, Scipio., 2017, (TC_22_2017_DFMI, TC_22_2017_DFMI)

24. Gavriluță Ana, Gavriluță Alin, *Analysis of Kanban, Conwip, Base on stock methods influences on the production system performance,* The International Congress of Automotive and Road Transport Engineering, CAR 2017, publicat in UNIVERSITY OF PITESTI S C I E N T I F IC BULLETIN, Faculty of Mechanics and Technology AUTOMOTIVE series, year XXIV, no. 28, pap. 41-49BDI: CrossRef, Index CopernicusDOI https://doi.org/10.26825/bup.ar.2018.006, 2017, (TC_20_2017_DFMI, TC_20_2017_DFMI)

25. Gavriluță Ana, *A REVIEW OF OVERALL EQUIPMENT EFFECTIVENESS,* The 19th International Conference TEHNOMUS, NEW TECHNOLOGIES AND PRODUCTS IN MACHINE MANUFACTURING TECHNOLOGIES publicat în TEHNOMUS- New Technologies and Products in Machine Manufacturing Technologies, pag.112-116BDI: Index Copernicus, EBSCO, UlrichsWeb, Scipio, 2017, (TC_22_2017_DFMI, TC_22_2017_DFMI)

26. Monica BÂLDEA, Ana GAVRILUȚĂ, Ancuța BĂLTEANU, *Determining the Need for Means of Transport in the Context of the SingleMode Transport, ,* 2018, (TC_1_2018_DFMI)

27. Ana GAVRILUȚĂ, Ancuța BĂLTEANU, Monica BÂLDEA, *Implementation of Lean Manufacturing in a Production System, ,* 2018, (TC_1_2018_DFMI)

28. Ancuța BĂLTEANU Monica BÂLDEA Ana GAVRILUȚĂ, *Establishment of the Transport Route within an Internal and International Freight Transport Company, ,* 2018, (TC_1_2018_DFMI)

29. Monica BÂLDEA, Ana GAVRILUȚĂ, Ancuța BĂLTEANU, *REGARDING THE QUALITY OF THE VEHICLE BACKSEAT FRAME ARMATURE RS 60% 203,* FIABILITY & DURABILITY , Issue:1(21)/2018, Târgu Jiu, May, 2018, P 203, 2018, (TC_21_2018_DFMI)

30. N. Belu, E.L. Niţu, A.D. Rizea, C.A. Gavriluță, L.M. Ionescu, A. C. Gavriluță, *Implementation of Single-Loop Kanban System Using Indoor Location Based on RFID,* Proceedings of the IVth International Congress of Automotive and Transport Engineering, pp.311-318, ISSN 978-606-737-314-1 (AMMA 2018 Technical University of Cluj-Napoca, 17-19 October 2018, 2018, (TC_8_2018_DFMI)

31. A. Gavriluță, E.L. Niţu, A. Gavriluță, D.C. Anghel, N.D. Stănescu, M.C. Radu, Gh. Crețu, C.M. Biriș, V. Păunoiu, *The development of a laboratory system to experiment methods to improve the production flows,,* Proceedings in Manufacturing Systems, pp. 127-132, Vol. 13, Iss. 3, 2018, ISSN 2343-7472 (ICMAaS 2018 - University POLITEHNICA of Bucharest, 15-16 November 2018), 2018, (TC_8_2018_DFMI)

32. Gavriluță Ana, *The analysis of a production flow with the help of Value Stream Mapping,* 9th International Conference on Advanced Manufacturing Technologies, Materials Science Forum,, 2018, (TC_23_2018_DFMI)

33. Gavriluță Ana, *Design of a learning platform for 5S method for using to improve a manufacturing system,* 8th International Multidisciplinary Symposium „Challenges and opportunities for sustainable development through quality and innovation in engineering and research management", Universitaria SIMPRO, Universitatea din Petroșani, Publicat în The Annals of the University of Petrosani, Mechanical Engineering, Vol. 20, 2018, (TC_23_2018_DFMI)

34. Gavriluță Ana, *The Design Of Lean Manufacturing Learning Platforms Of Lean Manufacturing,* Revista de Management și Inginerie Economicp, nr. 4, 2018, 2018, (TC_23_2018_DFMI)

35. E L Nitu, A C Gavriluta, N Belu and C A Gavriluta, *Methodology for improving production flows on an assembly line,* IOP Conf. Series: Materials Science and Engineering ??? (2020) ??? (The 6th International Conference on Advanced Manufacturing Engineering and Technologies - NewTech2020), IOP Publishing, 2020, (TC_12_2020_DFMI)

36. Ana GAVRILUȚĂ, Eduard NIȚU, Nadia BELU, Daniel ANGHEL, Cătălina NEACȘU, Iuliana PASCU, *Lean manufacturing methodology for improving production flows on an assembly line,,* Proceedings of the 7th RMEE Management Conference, pp. 52-65, ISSN 2247-8639, Todesco Publishing House, Cluj-Napoca(RMEE 2020 - Technical University of Cluj- Napoca), 2020, (TC_12_2020_DFMI)

37. I G Pascu, G C Neacsu, E L Nitu, A C Gavriluță, *A brief review of the methods and techniques used in the innovative internal logistics processes and systems,* IOP Conf. Series: Materials Science and Engineering 1018 (2021) 012023 (The 11th International Conference on Advanced Manufacturing Technologies - ICAMaT 2020), IOP Publishing, 2020, (TC_17_2020_DFMI)

38. G C Neacsu1,, I G Pascu, E L Nitu and A C Gavriluta, *Brief review of methods and techniques used in innovative industrial training, learning and production processes and systems,* IOP Conf. Series: Materials Science and Engineering 1018 (2021) 012022 (The 11th International Conference on Advanced Manufacturing Technologies - ICAMaT 2020), IOP Publishing, 2020, (TC_17_2020_DFMI)

D. Lucrări (articole) publicate în perioada 2008 - 2021 în reviste şi volume de conferinţe cu referenţi (neindexate)

D1. Articole în reviste

1. Rotaru Ana*, The management of the production: MRP/ERP or lean manufacturing?,,* Buletinul Institutului Politehnic din Iasi, Tomul LV, Fascicula 3, pag. 185-192, 2009

D2. Articole în volumele manifestărilor ştiinţifice

1. Rotaru Ana, *Lean Manufacturing – the way to a performant manufacturing system,* International Conference on Integrated Engineering C2I , 2008

2. Rotaru Ana, *The organizing of the manufacturing system into Kanban system,* International Conference on Integrated Engineering C2I , 2008

3. Rotaru Ana, *A new perspective on overall equipment effectiveness,* The 15th International conference, New Technologies and Products in Machines Manufacturing and Technologies - TEHNOMUS XV, Suceava , 2009

4. Rotaru Ana, *Kanban and extended Kanban systems,,* The 15th International conference, New Technologies and Products in Machines Manufacturing and Technologies - TEHNOMUS XV, Suceava, 2009

5. Rotaru Ana, *Topic production systems vs. lean manufacturing system,* Optimum Tehnologies, Tehnologic system and materials in the machines building field, Bacău 2009, TSTM, 2009

6. Rotaru Ana, *Implementing the lean manufacturing method in a production system,,* Optimum Tehnologies, Tehnologic system and materials in the machines building field, Bacău 2009, TSTM – 15, 2009

F. Granturi / proiecte de cercetare înperioada 2008 - 2021

F2. Granturi / proiecte câştigate prin competiţie naţională

1. **Gavriluta A**, Nitu E., Rizea A, Belu N, Anghel D., Pascu I, Neacsu C, *Îmbunătăţirea fluxurilor de producţie din industriile de automobile şi aerospaţială prin integrarea metodelor şi tehnicilor moderne de managementul producţie,* Cod: Programul P1 - Dezvoltarea sistemului naţional de Cercetare-Dezvoltare Axaprioritară 2 -Subprogramul 1.2 - Performanţă institutională. Proiecte de dezvoltare instituţională - Proiecte Complexe realizate în consorţii CDI, beneficiar: Univ. "V. Alecsandri" din Bacău, domeniul stiintific: Tehnologii noi şi emergente,valoare: 1057500, 2018-2021 (TC_12_2020_DFMI)

2. **Gavriluta A**, Belu N, Nitu E, *Conducerea inteligentă a proceselor de fabricaţie şi inspecţie destinate reperelor utilizate în industria auto şi aeronautică,* Cod: Programul P1 - Dezvoltarea sistemului naţional de Cercetare-Dezvoltare Axa prioritară 2 -Subprogramul 1.2 - Performanţă institutională. Proiecte de dezvoltare instituţională - Proiecte Complexe realizate în consorţii CDI, beneficiar: Univ. "V. Alecsandri" din Bacău, , domeniul stiintific: Tehnologii noi şi emergente, valoare: 17000.00, anul: 2018-2012 (TC_10_2020_DFMI)

3. Iordache M., Niţu E., **Gavriluta A**., *Prelucrarea prin deformare incrementală a pieselor din industria automotive,* Cod: Programul P1 - Dezvoltarea sistemului naţional de Cercetare-Dezvoltare Axa prioritară 2 -Subprogramul 1.2 - Performanţă institutională. Proiecte de dezvoltare instituţională - Proiecte Complexe realizate în consorţii CDI, beneficiar: Univ. "V. Alecsandri" din Bacau, anul: 2018, domeniul stiintific: Tehnologii noi şi emergente, valoare:17000.00, 2018-2021, (TC_8_2018_DFMI)

F3. Contracte de cercetare cu mediul socio-economic

1. **Gavriluta A**., Nitu E.L, Neacșu C, Pascu I, *Îmbunătățirea fluxului de producție din cadrul secției injecție prin implementarea unui șantier Kaizen și a conceptului Lean Manufacturing,* Cod: Mediu socio-economic, beneficiar: SC GOLD PLAST PRODUCTION SRL, anul: 2019, domeniul stiintific: Stiinte ingineresti, valoare: 31416.00, 2019, (TC_16_2019_DFMI)

2. **Gavriluta A**., Nitu E.L, Neacșu C, Pascu I, *Studiu privind îmbunătățirea fluxului de producție din cadrul zonei de tampografie prin implementarea conceptului Lean Manufacturing,* Cod: Mediul socio-economic, beneficiar: S.C GOLD PLAST PRODUCTION SRL, anul: 2020, domeniul stiintific: Ştiinţe inginereşti şi tehnologice, valoare: 31416.00, 2020-2021, (TC_17_2020_DFMI)

Data: 05.12.2021
Cadrul didactic GAVRILUTA CORNELIA ANA
Semnătura