

Concurs pentru ocuparea postului poz 11
 Departamentul: **Inginerie și Management**
 Facultatea: **Design Industrial și Managementul Afacerilor**
 Disciplinele: Tehnici statistice în managementul afacerilor
 Baze de date în management
 Teoria probabilităților și statistică matematică
 Domeniul: **Inginerie și Management**
 Post publicat în Monitorul Oficial al României nr. 594 din 29.11.2024

LISTA DE LUCRĂRI

Candidat: **VÎLCU V. ADRIAN** - doctor din 2018, șef de lucrări din 2019

1° Teza de doctorat

T1. "Cercetări și contribuții privind optimizarea siguranței în funcționare pentru susținerea strategiilor de producție-calitate", Universitatea Tehnică „Gh. Asachi” din Iași, domeniul „Inginerie și Management”, conducător de doctorat: prof. univ. dr. abilitat ing. Ion Vezea, **titlul științific de doctor oferit prin Ordinul Ministrului Educației Naționale nr. 5474 din 14.11.2018.**

2° Cărți/ cursuri/ manuale publicate în edituri recunoscute din țară sau din străinătate (Ca1, Ca2 etc.), îndrumare publicate (I1, I2 etc.), sisteme de laborator funcționale etc. (D1, D2 etc.) cursuri proprii pe Web, sisteme e-learning etc. (W1, W2 etc.), după caz, precum și alte lucrări (M1, M2 etc.) prin care se aduc contribuții la dezvoltarea activităților didactice/ profesionale.

	Carte/ curs/ manual publicată în editură recunoscută CNCS (unic/ prim autor sau co-autor)	Punctaj
Ca	Ca1. Ionut Herghiligiu, Adrian Vilcu and Marius Pislaru (2019), Implementation of a new technology based on Monte-Carlo simulation in the field of sustainable dependability in operation, Journal Innovation in Sustainable Management and Entrepreneurship: 2019 International Symposium in Management (SIM2019), Pagina 333, Editor Springer Nature, Data publicării 2020/5/29, ISSN 2198-7246 ISSN 2198-7254 (electronic) Springer Proceedings in Business and Economics ISBN 978-3-030-44710-6 ISBN 978-3-030-44711-3 (eBook), 12 pag. (12*6/300) https://doi.org/10.1007/978-3-030-44711-3	0,24
	Ca2. I. Verzea, A. Vîlcu (2021), Managementul firmei prin praguri, Ed. Performatica, Iași, 174 pag.(174*0,05/2)	4,35
	Ca3. Vîlcu Cătălin, Vîlcu Adrian , M. Caraiman, <i>Dicționar enciclopedic de textile-pielărie</i> , Ed. Performatica, ISBN 978-973-730-955-6, 534 pag., 2012. (534*5/300)	8,9
	Ca4. Brudaru Octav, Valmar B., Copăceanu Cintia, Vîlcu Adrian , <i>Algoritmi de optimizare pentru problemele de management</i> , Ed. Tehnopres, 2008, ISBN 978-702-572-5, 233 pag. (233*0.05)/4	2,91
	Ca5. Vîlcu Adrian , Vîlcu Cătălin, <i>Pascal și C față în față</i> , Ed. Panfilius, 2002, ISBN 973-85895-4-1, 100 pag. (100*0.05)/2	2,5
	Ca6. Brudaru Octav, Vîlcu Adrian , <i>Microsoft Access – utilizare și aplicații în inginerie economică</i> , Ed. Venus, ISBN 973-8174-83-X, 130 pag., 2002. (130*0.05)/2	3,25
	Ca7. Brudaru Octav, Vîlcu Adrian , Tiritelnicu Raluca, <i>Microsoft Excel – utilizare și aplicații în inginerie economică</i> , Ed. Venus, Iași, 2001, 149 pag., 2001. (149*0.05)/3	3,72
	Ca8. Brudaru Octav, Vîlcu Adrian , <i>Microsoft word: utilizare și aplicații</i> , Ed. Tehnopres, Iași, ISBN 973-8048-33-8, 126 pag., 2000. (126*0.05)/2	3,15
	TOTAL Ca	29,02
	Indrumar laborator/ proiect/ lucrări seminar/ culegere de probleme (publicat sau disponibil pe Web)	
	I.1. A. Vîlcu (2020). Disciplina: Informatică aplicată I - îndrumar de laborator (partea 1), în format electronic, 50 pagini (50*0,04) https://edu.tuiasi.ro/pluginfile.php/189336/mod_resource/content/1/IA1%20-%20indrumar%20de%20laborator%20-%20partea%201.pdf	2

	I.2. A. Vilcu (2020). Disciplina: Informatică aplicată I - îndrumar de laborator (partea 2), în format electronic, 49 pagini (49*0,04) https://edu.tuiasi.ro/pluginfile.php/189337/mod_resource/content/1/IA1%20-%20indrumar%20de%20laborator%20-%20partea%202.pdf	1,96
	I.3. A. Vilcu (2020). Disciplina: Informatică aplicată II - îndrumar de laborator, în format electronic, 96 pagini (96*0,04) https://edu.tuiasi.ro/pluginfile.php/189343/mod_resource/content/1/IA2%20-%20indrumar%20de%20laborator.pdf	3,84
	I.4. A. Vilcu (2020). Disciplina: Teoria probabilităților și statistică matematică - îndrumar de laborator, în format electronic, 200 pagini, (200*0,04) https://edu.tuiasi.ro/pluginfile.php/189342/mod_resource/content/1/TPSM%20-%20indrumar%20de%20laborator.pdf	8
	I.5. A. Vilcu (2020). Disciplina: Baze de date în management - îndrumar de laborator, în format electronic, 32 pagini. (32*0,04) https://edu.tuiasi.ro/pluginfile.php/189339/mod_resource/content/1/BDM%20-%20indrumar%20de%20laborator.pdf	1,28
	TOTAL I	17,08
	Sisteme de laborator funcționale (numai pentru disciplinele prevăzute cu lucrări de laborator/ proiect/ lucrări) - concepere lucrare nouă de laborator	
	D1. Lucrare de laborator – Proiectarea metodelor greedy – aplicație Matlab https://edu.tuiasi.ro/mod/folder/view.php?id=38934	1,5
	D2. Lucrare de laborator – Algoritm genetic pentru problema determinării circuitului hamiltonian de cost minim https://edu.tuiasi.ro/mod/folder/view.php?id=38934	1,5
	D3. Lucrare de laborator – Aproximarea polinomială a funcțiilor date prin puncte - polinomul de interpolare lagrange https://edu.tuiasi.ro/mod/folder/view.php?id=38934	1,5
	D4. Lucrare de laborator – Metoda programării dinamice aplicată pentru problemele de management operațional https://edu.tuiasi.ro/mod/folder/view.php?id=38934	1,5
	D5. Lucrare de laborator – Aproximarea cu funcții Spline https://edu.tuiasi.ro/mod/folder/view.php?id=38934	1,5
D	D6. Lucrare de laborator – Rezolvarea sistemelor de ecuații neliniare – metode iterative https://edu.tuiasi.ro/mod/folder/view.php?id=38934	1,5
	D7. Lucrare de laborator – Aproximarea funcțiilor date prin puncte – polinoame Bezier – aplicație CorelDraw https://edu.tuiasi.ro/mod/folder/view.php?id=38934	1,5
	D8. Lucrare de laborator – Modelul Intrare-ieșire al lui Leontief https://edu.tuiasi.ro/mod/folder/view.php?id=38934	1,5
	D9. Lucrare de laborator - Rezolvarea sistemelor de ecuații liniare – metode iterative https://edu.tuiasi.ro/mod/folder/view.php?id=38914	1,5
	D10. Lucrare de laborator – Aproximarea polinomială a funcțiilor date prin puncte – metoda cmmmp – aplicație Matlab https://edu.tuiasi.ro/mod/folder/view.php?id=38934	1,5
	D11. Lucrare de laborator – Derivarea și integrarea numerică – metoda Monte-Carlo https://edu.tuiasi.ro/mod/folder/view.php?id=38934	1,5
	D12. Dotări Departament Inginerie și management, FDIMA, din proiectul "TUIASI – COMPETE 2.0", nr. 27PFE /2021 (Responsabil Proiect 3). Valoare 5829 Euro	8,32
	D13. Dotări, Departament Inginerie și management, FDIMA, din proiectul ARUT - GNaC2023_267/2024 (Director de proiect). Valoare 4217 Euro	6,02
	TOTAL D	30,84
	Utilizarea sistemelor de predare/ învățare/ evaluare de tip e-learning/ on-line/ multimedia etc.	
	W1. Disciplina Informatică aplicată I https://classroom.google.com/c/NjM3MjUxNjkxODY0 https://edu.tuiasi.ro/course/view.php?id=4417	1
	W2. Disciplina Informatică aplicată II https://classroom.google.com/c/NjY2ODMxNjk3OTk0 https://edu.tuiasi.ro/course/view.php?id=6799	1

W	W3. Disciplina Teoria probabilității și statistică matematică https://classroom.google.com/c/NjM3Mjl2MDE5MTA3 https://edu.tuiasi.ro/course/view.php?id=4168	1
	TOTAL W	3

3° Cărți/ capitole cărți de specialitate publicate în edituri recunoscute din țară sau din străinătate (Cb1, Cb2 etc.), articole/ studii publicate în reviste din țară/ străinătate, cu factor de impact/ indexate în BDI/ neindexate în BDI (R1, R2 etc.), brevete de invenție (B1, B2 etc.), creații artistice prezentate la manifestări recunoscute din țară/ străinătate (A1, A2 etc.), articole/ studii publicate în volumele manifestărilor științifice naționale/ internaționale indexate BDI/ neindexate BDI (V1, V2 etc.), după caz, precum și alte lucrări (N1, N2 etc.) prin care se aduc *contribuții științifice la dezvoltarea domeniului*.

B. Calculul numărului de puncte pentru contribuții științifice la dezvoltarea domeniului

Cb	Carte de specialitate/ capitol publicat în editură din țară, recunoscută CNCS	
	Cb1. Octav Brudaru, Vilcu Adrian , <i>Algoritm genetic hibrid pentru o problemă de transport</i> , cap. III, pag. 55-71, <i>Managementul schimbărilor tehnologice</i> , vol.5, editori volum C. Rusu, C. Huțu, Ed. Sedcom Libris-Iași, ISBN 973-8028-80-9, 2001. (17*0.08)/2	0.68
	TOTAL Cb	0,68
R	Articol publicat în revistă cotate ISI, cu factor de impact	6/nr.autori
	R1. Adrian Vilcu , Dumitrel Todirică, Ionuț-Viorel Herghiligiu, Ion Verzea, <i>Digital security system with artificial intelligence module for data communications into manufacturing company</i> , ACTA TECHNICA NAPOCENSIS, Series: Applied Mathematics, Mechanics, and Engineering, Volume 66, Issue 4 Page 529-538, Published NOV 2023, Indexed 2024-06-07.(6/4) Link: https://www.webofscience.com/wos/woscc/full-record/WOS:001236162800001	1,5
	R2. Ionut Viorel Herghiligiu, Ioan-Bogdan Robu, Adrian Vilcu , Marius Pislaru, Stefana-Catalina Pohontu-Dragomir, Mariana Cojocar, Cristina Maria Herghiligiu, <i>Organizational sustainability score-probability approach using fuzzy logic</i> , 2024/2/1, Environmental Engineering and Management Journal, Volume 23, Issue 2, DOI 10.30638/eemj.2024.019, Published FEB 2024, Indexed 2024-06-15, ISSN 1582-9596, eISSN 1843-3707. FJI(2023)=0,9. (6/7) Link: https://www.webofscience.com/wos/woscc/full-record/WOS:001234723400001	0,85
	R3. Ștefana-Cătălina Pohontu-Dragomir, Ionuț-Viorel Herghiligiu, Adrian Vilcu , Mariana Cojocar, <i>Information system evaluation from a green production management perspective in an automotive sector company</i> , ACTA TECHNICA NAPOCENSIS, Series: Applied Mathematics, Mechanics, and Engineering, Vol. 67, Issue 2S, Publicat 28.10.2024 Link: 2457-4204-1-PB (2).pdf (în curs de indexare) (6/4)	1,5
	R4. Ionuț Viorel Herghiligiu, Ioan-Bogdan Robu, Marinela Istrate, Maria Grosu, Camelia Cătălina Mihalciuc, Adrian Vilcu , <i>Sustainable Corporate Performance Based on Audit Report Influence: An Empirical Approach through Financial Transparency and Gender Equality Dimensions</i> , Sustainability 2023, 15(18), 14033; (6/6) Link: https://doi.org/10.3390/su151814033 , WOS:001145327300001	1
	R5. Ionuț Viorel Herghiligiu, Adrian Vilcu , Ioan Bogdan Robu, Ștefana Cătălina Pohontu-Dragomir, <i>Manufacturing companies'sustainability profile: identification based on multiple correspondence analysis</i> , Acta Technica Napocensis-Series: Applied Mathematics, Mechanics, And Engineering, 2023/3/28, Volume 65, Issue 4S.(6/4) Link: https://www.webofscience.com/wos/woscc/full-record/WOS:000969679100026	1,5
	R6. Herghiligiu Ionuț, Robu Ioan Bogdan, Pislaru Marius., Vilcu Adrian , Asandului AL., Avasilcai Silvia, Balan Cătălin, <i>Sustainable Environmental Management System Integration and Business Performance: A Balance Assessment Approach Using Fuzzy Logic</i> , SUSTAINABILITY Journal , Volume 11, Issue 19, Article Number 5311, DOI 10.3390/su11195311, Published OCT 1 2019, Document Type Article, eISSN 2071-1050, JIF(2020) = 3.251 (6/7) Link: https://www.webofscience.com/wos/woscc/full-record/WOS:000493525500170	0,85

R7. Moisii Paloma, Naum Alexandru Gratian, Ursu Andra Mara, Vilcu Adrian , Esanu Irina, Jari Irina, <i>Magnetic Resonance Imaging of Temporomandibular Joint and Aortic Root Score in Fibrillinopathies</i> , MEDICINA-LITHUANIA, Volume 60, Issue 10, DOI 10.3390/medicina60101572, Article Number 1572, Published OCT 2024, Indexed 2024-11-08, JIF(2023)=2,4. (6/6) Link: https://www.webofscience.com/wos/woscc/full-record/WOS:001343612600001	1
Articol publicat în revistă indexată în baze de date internaționale (BDI)	3/nr.autori
R8. Adrian Vilcu , Ionut Viorel Herghiligiu, Ion Verzea, Marius Pîslaru, <i>Evaluation of technical resilience and its estimation by the Least Squares Method</i> , International Journal of Modern Manufacturing Technologies, 2023, 15(3 Special Issue), pp. 208–213. (3/4) DOI:10.54684/ijmmt.2023.15.3.208	0,75
R9. Emil-Constantin Loghin, Adrian Vilcu , Ion Verzea, <i>Particularities of the digital transformation of the manufacturing industries</i> , Buletinul Institutului Politehnic din Iași Publicat de Universitatea Tehnică „Gheorghe Asachi” din Iași Volumul 69 (73), Numărul 1, 2023 Secția Construcții de Mașini. (3/3) DOI:10.2478/bipcm-2023-0010	1
R10. Adrian Vilcu , Ionuț Nacu, Bogdan Vîrlan, Ionuț-Viorel Herghiligiu, Sandu Lupăcescu, Alin Dragomir, <i>Incremental innovation methodology that combines computerized modelling and simulation with value analysis and engineering method</i> , Buletinul Institutului Politehnic din Iași, Publicat de Universitatea Tehnică „Gheorghe Asachi” din Iași, 68 (72), Numărul 4, 2022, Secția Electrotehnică. Energetică. Electronică. (3/6) DOI:10.2478/bipie-2022-0020	0,5
R11. Alin Dragomir, Maricel Adam, Silviu Antohi, Adrian Vilcu , Alexandra Bodoga, <i>Considerations Regarding Electrical Equipment Monitoring Through Infrared Thermography</i> , Bulletin of the Polytechnic Institute of Iași Electrical Engineering Power Engineering Electronics Section 68(4):45-56. (3/5) DOI:10.2478/bipie-2022-0021	0,6
R12. Adrian Vilcu , Ionut Herghiligiu, Ion Verzea, Raluca Lazarescu, <i>A new PSO-based algorithm for an operational management problem</i> , International Journal of Modern Manufacturing Technologies ISSN 2067–3604, Vol. XIV, No. 3 / 2022 (3/4) Link: https://doi.org/10.54684/ijmmt.2022.14.3.299	0,75
R13. Raluca-Petronela Lazarescu, Adrian Vilcu , <i>Hierarchical PCA for formal group behaviour modelling</i> , International Journal of Modern Manufacturing Technologies ISSN 2067–3604, Vol. XIV, No. 3 / 2022 (3/2) Link: https://doi.org/10.54684/ijmmt.2022.14.3.105	1,5
R14. Adrian Vilcu , Eduard Luncă, Silviu Vornicu, Ionuț-Viorel Herghiligiu and Claudia Toporăscu, <i>Computerized device for monitoring ecg and ppg signals - design and redesign based on value engineering method</i> , Buletinul Institutului Politehnic Din Iași, publicat de Universitatea Tehnică „Gheorghe Asachi” din Iași Volumul 68 (72), Numărul 3, 2022, Secția Electrotehnică. Energetică. Electronică (3/5) DOI:10.2478/bipie-2022-0017	0,6
R15. Ionuț Viorel Herghiligiu, Ioan Bogdan Robu, Marius Pîslaru, Adrian Vilcu and Anca Laura Asandului, <i>Fuzzy logic methodology for environmental sustainability performance evaluation</i> , Buletinul Institutului Politehnic Din Iași Publicat de Universitatea Tehnică „Gheorghe Asachi” din Iași Volumul 66 (70), Numărul 3, 2020 Secția CHIMIE și INGINERIE CHIMICĂ, Received: June 23, 2020 Accepted for publication: July 29, 2020, Index Copernicus ICV 2018: 87.78, Indexed by CiteFactor, ISSN: 2537-2947 ISSN-L: 0254-7104 (2020) (3/5)	0,6

<p>R16. Aminur Rahman Khan, Vilcu Adrian, Md. Sharif Uddin and Cristiana Istrate, The performance evaluation of various techniques for transportation problem, Buletinul Institutului Politehnic din Iași, AUTOMATIC CONTROL and COMPUTER SCIENCE Section, Tomul LIX (LXIII), Fasc. 1, 2016 (indexate Zentralblatt, Copernicus, indexare CNCSIS: B+, DOAJ) (2016) (3/4) Link: https://journals.indexcopernicus.com/search/details?id=17680 Link: http://www.ace.tuiasi.ro/index.php?page=678 Link: http://cnscis.gov.ro/userfiles/file/CENAPOSS/Bplus_2011.pdf</p>	0,75
<p>R17. Aminur Rahman Khan, Vilcu Adrian, Nahid Sultana and Syed Sabbir Ahmed, Determination of Initial Basic Feasible Solution of a Transportation Problem: A TOCM-SUM Approach, Buletinul Institutului Politehnic din Iași, AUTOMATIC CONTROL and COMPUTER SCIENCE Section, Tome LXI (LXV) Fasc. 1, 2015 (indexate Zentralblatt, Copernicus, indexare CNCSIS: B+, DOAJ) (2015) Link: https://journals.indexcopernicus.com/search/details?id=17680 Link: http://www.ace.tuiasi.ro/index.php?page=678 Link: http://cnscis.gov.ro/userfiles/file/CENAPOSS/Bplus_2011.pdf</p>	0,75
<p>R18. Aminur Rahman Khan, Vilcu Adrian, Md. Sharif Uddin and Florina Ungureanu, A competent algorithm to find the inițial basic feasible solution of cost minimization transportation problem, Buletinul Institutului Politehnic din Iași publicat de Universitatea Tehnică „Gheorghe Asachi” din Iași Tomul LXI (LXV), fasc. 2, 2015 Sectia Automatică Și Calculatoare (indexate Zentralblatt, Copernicus, indexare CNCSIS: B+, DOAJ) (2015) Link: https://journals.indexcopernicus.com/search/details?id=17680 Link: http://www.ace.tuiasi.ro/index.php?page=678 Link: http://cnscis.gov.ro/userfiles/file/CENAPOSS/Bplus_2011.pdf</p>	0,75
<p>R19. Vilcu Adrian, Hristian, L., Bordeianu, DL., Vilcu, Cătălin, Stress-strain curve analyzsis of woven fabrics made from combed yarns type wool, Annals of University of Oradea, Fascicle of Textiles – Leatherwork, Vol. XV, nr. 1, pg.115-120, 2014, ISSN 1843 – 813X, (EBSCO, Copernicus, indexare CNCSIS: B, DOAJ) (2014) Link: https://www.doaj.org/article/3aa396ce45ec41fe9dc68467bfbcb83e9</p>	0,75
<p>R20. Vilcu Adrian, Double hybridized embryonic genetic algorithm for optimal delivery routing, Scientific Studies and Research. Series Mathematics and Informatics, Bacau, Vol. 23 (2013), No. 1, 213 – 224, Code [ID]: SSRSMI201323V23S01A0024 [0003841] (indexate AMS Digital Mathematics Registry, Index Copernicus, EBSCO, Ulrich's Global Serials Directory, Zentralblatt MATH, MathSciNet (Mathematical Reviews, ProQuest) (2013) Link: http://pubs.ub.ro/?pg=revues&rev=ssrsmi</p>	3
<p>R21. Vilcu Adrian, A Hybrid Genetic Algorithm for A Combinational Circuits Partitioning Problem, Buletinul Institutului Politehnic din Iași, Automatic Control and Computer Science Section, Volumul 3, Tome LVIII (LXII) fasc.3, pagini 43-51 (indexate Zentralblatt, Copernicus, indexare CNCSIS: B+, DOAJ) (2012) Link: https://journals.indexcopernicus.com/search/details?id=17680 Link: http://www.ace.tuiasi.ro/index.php?page=678 Link: http://cnscis.gov.ro/userfiles/file/CENAPOSS/Bplus_2011.pdf</p>	3
<p>R22. Vilcu Adrian, Hristian Liliana, Bordeianu Demetra Lăcrămioara, Variance analysis of wool woven fabrics tensile strength using ancova model, Annals Of The University Of Oradea, Fascicle Of Textiles, Leatherwork, nr.2, vol.15, 2014, pag. 123-128, ISSN 1843-813X (EBSCO, Copernicus, indexare CNCSIS: B) (2014) Link: https://www.doaj.org/article/5acd9b9377884ed39fc25ba200174099</p>	1
<p>R23. Bordeianu Demetra Lăcrămioara, Hristian Liliana, Vilcu Adrian, Heat treatments influence on the breaking torsion of wool type fibers, Annals of University of Oradea, Fascicle of Textiles – Leatherwork, Vol. XV, nr. 1, pg.15-22, 2014, ISSN 1843 – 813X, (EBSCO, Copernicus, indexare CNCSIS: B) (2014) Link: https://www.doaj.org/article/65de686085d94226974bb6880ca440ca</p>	1
<p>R24. Bordeianu Demetra Lăcrămioara, Hristian Liliana, Lupu Iuliana Gabriela, Vilcu Adrian (2014), Bending behavior of rayon and wool type polyester fibers thermal treated, Annals Of The University Of Oradea, Fascicle Of Textiles, Leatherwork, nr.1, vol.15, 2014, pag. 15-18, ISSN 1843-813X (EBSCO, Copernicus, indexare CNCSIS: B, DOAJ) (2014) Link: https://www.doaj.org/article/9059ec4dc77547d4a631efe48a1eb095</p>	0,75

	Articol publicat în revistă ne indexată în baze de date internaționale (BDI)	1/nr autori
	R25. Mihaela Cojan, Ion Verzea, Adrian Vilcu , <i>The soft skills of entry level engineers from industrial engineering field. A systematic literature review</i> , 17th Romanian Textiles and Leather Conference–CORTEP, Iasi, 7-9.09 (2018) (1/3)	0,33
	R26. Vilcu Adrian , Ion Verzea, Catalin Vilcu, <i>Heuristic algorithm for optimization of manufacturing process by balancing a production line from a textile company</i> , 16th Romanian Textiles and Leather Conference, CORTEP, Iasi, 27-29.10 (2016) (1/3)	0,33
	R27. Ion Verzea, Gabriel-Petru Luca, Rachid Chaib, Vilcu Adrian , <i>Conventional work units breakeven point assessment in the garment Industrie</i> , 16th Romanian Textiles and Leather Conference–CORTEP, Iasi, 27-29.10.2016 (2016) (1/4)	
	R28. Lilliana Hristian, Catalin Vilcu, Iuliana G. Lupu, Demetra I. Bordeianu and Vilcu Adrian , <i>Tensile properties analysis of plasma treated pp fibers</i> , 15th Romanian Textiles and Leather Conference – CORTEP 2014 4 - 6 September 2014, Poiana Brașov, Romania (2014) (1/5)	0,2
	R29. Catalin Vilcu, Liliana Hristian, Demetra I. Bordeianu, Iuliana G. Lupu and Vilcu Adrian , <i>Computer method for evaluating of cross-section filaments in pp yarns used for carpets</i> , 15th Romanian Textiles and Leather Conference – CORTEP 2014 4 - 6 September 2014, Poiana Brașov, Romania (2014) (1/5)	0,2
	R30. Vilcu Cătălin, Vilcu Adrian (2009), <i>Optimization of the properties of polypropylene fibres through plasma treatments</i> , Buletinul Institutului Politehnic din Iași, Tomul LV (LIX), Fasc. 1 Secția TEXTILE. PIELĂRIE, pg.9-16 (2009) (1/2)	0,5
TOTAL R		27,81
V	Articol/studiu publicat în volumul unei manifestări științifice indexate în baze de date internaționale (BDI)	4/nr autori
	V1. Lăzărescu, Raluca Petronela, Vilcu Adrian , <i>A Statistical Model Regarding the Solving Problems Behavior in Formal Groups</i> , Proceedings Of The International Conference On Business Excellence, Volume 18, Issue 1, Page 3212-3221, DOI 10.2478/picbe-2024-0261, Published JUN 1 2024, Indexed 2024-07-19. Link: https://www.webofscience.com/wos/woscc/full-record/WOS:001262084800017	2
	V2. Pohonu-Dragomir, Ștefana-Cătălina; Herghiligiu, Ionu-Viorel, Vilcu, Adrian , <i>Corporate Information System and Environmental Sustainability Dimension - The Associated Link Evaluation</i> , Proceedings Of The International Conference On Business Excellence, Volume 18, Issue 1, Page 2654-2663, DOI 10.2478/picbe-2024-0222, Published JUN 1 2024, Indexed 2024-07-19. Link: https://www.webofscience.com/wos/woscc/full-record/WOS:001262084800018	1
	V3. Vilcu Adrian , Lăzărescu Raluca-Petronela, Herghiligiu Ionu-Viorel, Veleşcu Mădălina-Laura, Cojocar, Mariana, <i>Statistical Model for Evaluating the Organizational Behaviour System in Online-Onsite Environments</i> , Proceedings Of The International Conference On Business Excellence, Volume 18, Issue 1, Page 3309-3319, DOI 10.2478/picbe-2024-0270, Published JUN 1 2024, Indexed, 2024-07-16. Link: https://www.webofscience.com/wos/woscc/full-record/WOS:001262084900014	0,8
	V4. Vilcu Adrian , Lazarescu Raluca-Petronela, Herghiligiu Ionu-Viorel, <i>Communication Model Assessment Based on Organizational Emotional Intelligence</i> , PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON BUSINESS EXCELLENCE, Volume 17, Issue 1, Page 475-487, DOI 10.2478/picbe-2023-0046. Link: https://www.webofscience.com/wos/woscc/full-record/WOS:001029771300012	1,33
	V5. Cojan Mihaela, Verzea Ion, Vilcu Adrian , <i>A new systemic approach to determine the weight of professional competence types in employability explanation</i> , New technology and redesigning learning spaces, Proceedings of the 15th International Scientific Conference "eLearning and Software for Education" Bucharest, April 11 - 12, 2019, ISI WoS, WOS: 000473324500053, DOI: 10.12753/2066-026X-19-191 (2019) Link: https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=AuthorFinder&qid=19&SID=D6zbf8bMy2Wi6vi4lcE&page=1&doc=1	1,33
	V6. Vilcu Adrian , Cojan Mihaela, Verzea Ion, <i>Hierarchic principal component analysis method for the organization of components weights in employment process, from employer prospective</i> , New technology and redesigning learning spaces, Proceedings of the 15th International Scientific Conference "eLearning and Software for Education"	1,33

<p>Bucharest, April 11 - 12, 2019, ISI WoS, WOS: 000473324500061, DOI: 12753/2066-026X-19-199 (2019) Link: https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=AuthorFinder&qid=27&SID=D6zbf8bMy2Wi6vi4lcE&page=1&doc=2</p>	
<p>V7. Adrian Vilcu, Ion Verzea, Marius Pislaru & Ionut-Viorel Herghiligiu, <i>Fuzzy modeling of dependability optimization for supporting the production-quality strategies - case study in technical field</i>, ModTech International Conference Modern Technologies in Industrial Engineering, June 19-22, 2019, Iasi, Romania, IOP Conf. Series: Materials Science and Engineering 591 (2019) 012072 IOP Publishing DOI:10.1088/1757-899X/591/1/012072, (indexată IOPScience) (2019) Link: https://iopscience.iop.org/article/10.1088/1757-899X/591/1/012072/pdf</p>	1
<p>V8. Vilcu Adrian, Ion Verzea, Ionut Viorel Herghiligiu, <i>New Method to Optimize the Production Functions in the System of Safety in Operation Management</i>, Procedia - Social and Behavioral Sciences Volume 238, pages: 424–431, Peer-review under responsibility of SIM 2017 / 14th International Symposium in Management, DOI: 10.1016/j.sbspro.2018.04.020, ISSN print: 1877-0428 (indexată în ScienceDirect) (2018) Link: https://www.sciencedirect.com/science/article/pii/S1877042818300508</p>	1,33
<p>V9. Vilcu Adrian, Ion Verzea, Marius Pislaru, Ionut Herghiligiu (2018), <i>New modeling techniques for dependability. Case study for a mechanical process</i>, ModTech 2018 International Conference, Constanța, DOI: 10.1088/1757-899X/400/2/022060, ISSN print: 1757-8981, ISI WoS (2018) Link: http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=C6sejeXQ4jRGN1KuyNA&page=1&doc=6</p>	1
<p>V10. Vilcu Adrian, Pislaru Marius, Verzea Ion, <i>Mathematical and neural approaches in dependability engineering: study case for a technical system</i>, The 14th eLearning and Software for Education Conference - eLSE 2018, Bucharest, April 19th–20th 2018, pages: 222-229, ISI WoS, WOS:000467471000033, DOI:10.12753/2066-026X-18-175, ISSN:2066-026X (2018) Link: https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=AuthorFinder&qid=47&SID=D6zbf8bMy2Wi6vi4lcE&page=1&doc=5</p>	1,33
<p>V11. Herghiligiu Ionut Viorel, Pislaru Marius, Vilcu Adrian, <i>E-learning structural framework on organizational environmental practices</i>, The 14th eLearning and Software for Education Conference - eLSE 2018, Bucharest, April 19th – 20th 2018, pages: 162-167, ISI WoS, WOS:000467471000023, DOI: 10.12753/2066-026X-18-165, ISSN print: 2066-026X (2018) Link: https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=AuthorFinder&qid=31&SID=D6zbf8bMy2Wi6vi4lcE&page=1&doc=3</p>	1,33
<p>V12. Vilcu Adrian, Verzea Ion, Herghiligiu Ionut Viorel, Pislaru Marius, <i>Statistic correlation algorithm for reliability in operation: case study for a textile process</i>, The 14th eLearning and Software for Education Conference - eLSE 2018, Bucharest, April 19th- 20th 2018, pages: 214-221, ISI WoS, WOS:000467471000032, DOI:10.12753/2066-026X-18-174, ISSN print: 2066-026X (2018) Link: https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=AuthorFinder&qid=35&SID=D6zbf8bMy2Wi6vi4lcE&page=1&doc=4</p>	1
<p>V13. Mihaela Diaconu, Vilcu Adrian, <i>Business Innovation Activity in Romania: The Main Trends and Weaknesses</i>, Procedia - Social and Behavioral Sciences, Volume 238, 2018, Pages 157–166, Peer-review under responsibility of SIM 2017 / 14th International Symposium in Management, DOI: 10.1016/j.sbspro.2018.03.019, ISSN print: 1877-0428 (indexată în ScienceDirect) (2018) Link: https://www.sciencedirect.com/science/article/pii/S1877042818300193</p>	2
<p>V14. Ionuț Viorel Herghiligiu, Alexandru Pohonțu, Marius Pislaru, Vilcu Adrian, <i>Influencing Factors and Outcomes of the Learning by Sharing Process</i>, Procedia - Social and Behavioral Sciences, Volume 238, 63–72, Peer-review under responsibility of SIM 2017/14th International Symposium in Management, DOI: 10.1016/j.sbspro.2018.03.008, ISSN print: 1877-0428 (2018) Link: https://www.sciencedirect.com/science/article/pii/S1877042818300089</p>	1

V15. Cojan Mihaela, Vilcu Adrian , Verzea Ion, <i>An introductory guide to self-presentation for professional purposes in a video format</i> , The 13th International Scientific Conference eLearning and Software for Education, Bucharest, April 27-28, 2017, Vol 1, DOI: 10.12753/2066-026X-17-053, ISSN print: 2066-026X (indexată în CEEOL, EBSCO, ProQuest) (2017) Link: https://www.elseconference.eu/pages/view?page=indexed_by	1,33
V16. Vilcu Adrian , Cojan Mihaela, Verzea Ion, <i>Educational software for the optimization of safety in operation in the textile processes</i> , The 13th International Scientific Conference eLearning and Software for Education, Bucharest, April 27-28, 2017, DOI: 10.12753/2066-026X-17-243, ISSN print: 2066-026X (indexată în CEEOL, EBSCO, ProQuest) (2017) Link: https://www.elseconference.eu/pages/view?page=indexed_by	1,33
V17. Vilcu Adrian , Verzea Ion, Vilcu Catalin, <i>Software application for the analysis of the reliability of a textile equipment</i> , The 13th International Scientific Conference eLearning and Software for Education Bucharest, April 27-28 2017, Vol.3, DOI: 10.12753/2066-026X-17-244 ISSN print: 2066-026X, (indexată în CEEOL, EBSCO, ProQuest) (2017) Link: https://www.elseconference.eu/pages/view?page=indexed_by	1,33
V18. Vilcu Adrian , Ion Verzea, Rachid Chaib, <i>Dependability breakeven point mathematical model for production - quality strategy support</i> , ModTech 2016 International Conference, Iasi, Jun 15-18, 2016, ISI WoS , WOS:000396437600001, DOI:10.1088/1757-899X/145/2/022001, ISSN: 1757-8981 (2016) Link : https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=AuthorFindex&qid=51&SID=D6zbf8bMy2Wi6vi4lcE&page=1&doc=6	1,33
V19. Aminur Rahman Khan, Vilcu Adrian , Md. Sharif Uddin and Cristiana Istrate, <i>An Efficient Procedure to Determine the Initial Basic Feasible Solution of Time Minimization Transportation Problem</i> , Exploring Services Science 7th International Conference, IESS 2016, Bucharest, Romania, May 25-27, 2016, pages: 201-212, ISI WoS , WOS : 000386914200015, DOI: 10.1007/978-3-319-32689-4_15, ISSN:1865-1348, ISBN: 978-3-319-32689-4 (2016) Link : https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=AuthorFindex&qid=55&SID=D6zbf8bMy2Wi6vi4lcE&page=1&doc=7	1
V20. Octav Brudaru, Vilcu Adrian , Diana Popovici, <i>Cellular Genetic Algorithm with Communicating Grids for a Delivery Problem</i> , Symbolic and Numeric Algorithms for Scientific Computing (SYNASC), 13th International Symposium, Timișoara, Sept. 26-29, 2011, pag.215-221, ISI WoS , WOS:000393311800033, ISBN:978-0-7695-4630-8, ISSN: 2470-8801 (2011) Link : https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=AuthorFindex&qid=59&SID=D6zbf8bMy2Wi6vi4lcE&page=1&doc=8	1,33
Articol/studiu publicat în volumul unei manifestări științifice neindexate în baze de date	1/nr. autori
V21. Marius Pîslaru, Ramona-Diana Leon, Vilcu Adrian , <i>Using a fuzzy expert system for service quality improvement. the case of a car wash station</i> , STRATEGICA, International Academic Conference -Sixth Edition-Bucharest, Romania, October 11-12, 2018, Challenging the Status Quo in Management and Economics, pag. 490-500, ISBN 978-606-749-365-8 ISSN 2392-702X (2018)	0,33
V22. Mihaela Cojan, Ion Verzea, Adrian Vilcu , <i>The soft skills of entry level engineers from industrial engineering field. A systematic literature review</i> , 17th Romanian Textiles and Leather Conference—CORTEP, Iasi, 7-9.09 (2018)	0,33
V23. Vilcu Adrian , Ion Verzea, Catalin Vilcu, <i>Heuristic algorithm for optimization of manufacturing process by balancing a production line from a textile company</i> , 16th Romanian Textiles and Leather Conference, CORTEP, Iasi, 27-29.10 (2016)	0,33
V24. Ion Verzea, Gabriel-Petru Luca, Rachid Chaib, Vilcu Adrian , <i>Conventional work units breakeven point assessment in the garment Industrie</i> , 16th Romanian Textiles and Leather Conference—CORTEP, Iasi, 27-29.10.2016 (2016)	0,25
V25. Lilliana Hristian, Catalin Vilcu, Iuliana G. Lupu, Demetra I.Bordeianu and Vilcu Adrian , <i>Tensile properties analysis of plasma treated pp fibers</i> , 15th Romanian Textiles and Leather Conference – CORTEP 2014 4 - 6 September 2014, Poiana Brașov, Romania (2014)	0,2

	V26. Catalin Vilcu, Liliana Hristian, Demetra I. Bordeianu, Iuliana G. Lupu and Vilcu Adrian , <i>Computer method for evaluating of cross-section filaments in pp yarns used for carpets</i> , 15th Romanian Textiles and Leather Conference – CORTEP 2014 4 - 6 September 2014, Poiana Braşov, Romania (2014)	0,2
	V27. Vilcu C., Vilcu Adrian , <i>Optimizarea tratamentelor în medii de plasmă CORONA a fibrelor de polipropilenă</i> , "Textilele viitorului" – Simpozionul Anual al Specialiştilor din industria de Tricotaje - Confecţii, Iaşi, pg.59-66, 13-15 noiembrie (2008)	0,5
	V28. Vilcu Adrian , Brudaru Octav, <i>Algoritm genetic hibridizat bazat pe ordine pentru o problemă de partiţionare a grafurilor aciclice</i> , Textilele viitorului" – Simpozionul Anual al Specialiştilor din industria de Tricotaje - Confecţii, Iaşi, 13-15 noiembrie 2008 (2008)	0,5
	V29. Hanganu L, Vilcu Adrian , <i>Mechatronics elements and the textile-apparel complex</i> , International Science and Engineering Conference "Machine Building and Technosphere of the XXI Century", sept 9-14 2002, Sevastopol, Ucraina, tom 3, sect. IX, pag. 216-220 (2002)	0,5
	V30. Brudaru, O., Vilcu, Adrian , <i>Genetic Algorithm with Accelerating Hybrid Components for Affine Cost Hamiltonian Circuits</i> , ICPR-16, 16th International Conference on Production Research, 30 July-3 August, Prague (2001)	0,5
	V31. Brudaru O., Vilcu Adrian , <i>Genetic Algorithm for transportation problem with fuzzy demand</i> , 6Th UK Wokshop on fuzzy Systems, Brunel University, Uxbridge, Sept.8-9,pag. 109-114 (1999)	0,5
	TOTAL V.	29,57
E	Lucrare comunicată/ prezentată la seminar/ conferinţă/ workshop/ expoziţie	1pt
	E1. 18 th International Conference On Business Excellence – Smart Solution for Sustainable Future, 21-23 March 2024, Bucharest, Romania Vilcu Adrian , Lăzărescu Raluca-Petronela, Herghiligiu Ionut-Viorel, Veleşcu Mădălina-Laura, Cojocaru, Mariana, <i>Statistical Model for Evaluating the Organizational Behaviour System in Online-Onsite Environments</i> , Proceedings Of The International Conference On Business Excellence, Volume 18, Issue 1, Page 3309-3319, DOI 10.2478/picbe-2024-0270, Published JUN 1 2024, Indexed, 2024-07-16.	1
	E2.19 th Romanian Textiles and Leather Conference, November 7 th – 9 nd 2024, Iasi, Romania Adrian Vilcu , Luminiţa CIOBANU, Cristian BACIU, Raluca LĂZĂRESCU, <i>Analysis and Value Engineering Applied to Smart Textiles - Diabetic Sock with Temperature and Humidity MONITORING Module</i> , CORTEP 2024 IASI-RO	1
	E3. 13 th International and Power Engineering – EPEi 2024, October 17-19, 2024, Iasi, Romania Adrian Vilcu , Marius Pîslaru, Ionuţ Nacu, Bogdan Virlan, Ştefan Eduard Moşneguţu and Ionuţ Viorel Herghiligiu, <i>Design of a single-phase asynchronous motor prototype by overlaying the value analysis method on dynamic simulation</i> .	1
	E4. 7 th International Conference of Doctoral School, May 15-17, 2024, Iasi Romania	1
	E5. 12 th International Conference and Exposition on Electrical and Power Engineering – EPE 2022 Adrian Vilcu , Ionuţ Viorel Herghiligiu, Marius Pîslaru, <i>Neuro-fuzzy system for technical resilience assessment</i> , 2022 International Conference and Exposition on electrical and Power Engineering (EPE), 978-1-6654-8994-2/22/\$31.00 ©2022 IEEE, DOI: 10.1109/EPE56121.2022.9959816	1
	E6.18 th Romanian Textiles and Leather Conference, November 17-19, 2022, Iasi, Romania	1
	E7. 6 th International Conference of Doctoral School, May 17-19, 2023, Iasi Romania	1

E8. 7 th International Conference ModTech 2019, Modern Technologies in Industrial Engineering, June 19 th -22 nd 2019, Iasi, Romania Adrian Vilcu , Ion Verzea, Marius Pislaru & Ionut-Viorel Herghiligiu, <i>Fuzzy modeling of dependability optimization for supporting the production-quality strategies - case study in technical field</i> , ModTech International Conference Modern Technologies in Industrial Engineering, June 19-22, 2019, Iasi, Romania, IOP Conf. Series: Materials Science and Engineering 591 (2019) 012072 IOP Publishing DOI:10.1088/1757-899X/591/1/012072, (indexată IOPScience) (2019) Link: https://iopscience.iop.org/article/10.1088/1757-899X/591/1/012072/pdf	1
E9. 14 th International Scientific Conference eLearning and Software for Education – eLSE, Bucharest, Romnia, April 18-20, 2018 Vilcu Adrian , Verzea Ion, Herghiligiu Ionut Viorel, Pislaru Marius, <i>Statistic correlation algorithm for reliability in operation: case study for a textile process</i> , The 14th eLearning and Software for Education Conference - eLSE 2018, Bucharest, April 19th – 20th (2018)	1
E10. 13 th International Scientific Conference eLearning and Software for Education – eLSE, Bucharest Romania, April 27-28, 2017 Vilcu Adrian , Cojan Mihaela, Verzea Ion, <i>Educational software for the optimization of safety in operation in the textile processes</i> , The 13 th International Scientific Conference eLearning and Software for Education, Bucharest, April 27-28 (2017)	1
E11. 16 th Romanian Textiles and Leather Conference, CORTEP, October 27 th -29 nd 2016, Iasi, Romania Vilcu Adrian , Ion Verzea, Catalin Vilcu, <i>Heuristic algorithm for optimization of manufacturing process by balancing a production line from a textile company</i> , 16th Romanian Textiles and Leather Conference, CORTEP, Iasi, 27-29.10 (2016)	1
TOTAL E	11

4. Proiecte de cercetare-dezvoltare (P1, P2 etc.) pe bază de contract/ grant, precum și alte lucrări de cercetare-dezvoltare (F1, F2 etc.), după caz, prin care se aduc contribuții la dezvoltarea mediului educațional/ cultural/ economic/ social etc.

P	Proiecte/ Contracte/ Granturi de cercetare-dezvoltare câștigate prin competiție internațională	Punctaj
	P1 Grant ARUT nr. GNaC 2023_267 /2024 - Proiecte de cercetare pentru stimularea tinerilor cercetători din cadrul Universităților ARUT Director proiect: Hub de tehnici soft computing cu inteligență artificială pentru probleme de inginerie și management (SOFIAHub) Perioada: 01.07.2024-30.08.2025	30
	TOTAL P	30

Data:12.12.2024

Candidat

Șef lucrări dr. ing. Vilcu Adrian

