De acord cu susținerea la SD-IIR 18.03.2026

ANEXA 4d

FIŞA DE ÎNDEPLINIRE A STANDARDELOR MINIMALE PENTRU OBȚINEREA ATESTATULUI DE ABILITARE

POPA Cicerone Laurențiu

Condiţii	**Îndeplinire condiţii**	
A. **Doctor**	Diploma de Doctor în domeniul Inginerie Industrială, Seria F, Nr. 0002551, din 25.08.2008, emisă de Universitatea POLITEHNICA din Bucureşti, conform Ordinului Ministrului Educației, Cercetării și Tineretului nr. 4887/25.07.2008.	
B. Îndeplinirea standardelor minime aprobate conform art. 156 alin. (1) lit. (a) din Legea Învățământului Superior nr. 199/2023	Standarde indeplinite, conform Comisiei CNATDCU Nr 16, Comisia Inginerie Industrială şi Management	
Condiţii minimale [Punctaj]	**Minim prevăzut**	**Realizat**
A1. Activitatea didactică şi profesională	130	169,33
A2. Activitatea de cercetare	300	542,315
A3. Recunoaşterea şi impactul activităţii	100	423,67
TOTAL (A)	530	1135,315
Condiţii minimale obligatorii pe subcategorii [Număr]	**Minim prevăzut**	**Realizat**
A.1.1.1. Cărţi şi capitole în cărţi de specialitate **A.1.2.1. Manuale didactice**	2 minimum prim autor	4 2 prim autor
A.1.2.2. Îndrumare de laborator / aplicaţii	4, minimum 2 autor principal	5 2 prim autor
A. 2.1.2. Articole în reviste cotate şi în proceedings indexate ISI Thomson Reuters şi brevete de invenţii	Minimum 8 articole Minimum 2 în reviste Minimum 3 ca autor principal	Total 20 dintre care12 în reviste, 7 autor principal 11 de la ultima promovare: 10 în reviste 4 autor principal 7 Q1/Q2
A. 2.1.2. Articole în reviste şi în volume ale unor manifestări ştiinţifice indexate în alte baze de date internaţionale	Minimum 8	Total 34 16 de la ultima promovare
A. 2.1.4. Granturi câştigate prin competiţie (director / responsabil)	2 Director sau 3 Responsabil	2 Director câştigate prin competiție

C. **Atestarea studiilor (diploma + supliment diplomă) si a altor realizari profesionale**	**Diploma de Licență,** în domeniul Inginerie managerială și tehnologică, specializarea Mașini și sisteme de producție, Seria C, Nr. 0031403 din 2003, emisă de Universitatea POLITEHNICA din București. Foaia matricolă pentru diploma de inginer. **Diplomă de Masterat**, Specializarea Managementul și ingineria întreprinderii industriale virtuale, Seria D, Nr. 0007902 din 2004, emisă de Universitatea POLITEHNICA din București. Foaia matricolă pentru diploma de masterat. Alte diplome: Certificat de absolvire a modulului psihopedagogic, Seria D, Nr. 0032899 din 2004, emisă de Universitatea POLITEHNICA din București, Departamentul pentru pregătirea personalului didactic. Formarea de specialiști în CAD utilizând CATIA V5 R8, Mai 2003. Programarea echipamentului CNC MAZATROL 640T Strunjire, Septembrie 2008. ANSA & µETA, Noiembrie 2011. Curs postuniversitar: Tehnologii de instruire on-line, 2011. Curs post universitar: Utilizarea instrumentelor digitale în abordarea pedagogică inovativă a instruirii, 2023.

Subsemnatul, POPA Cicerone Laurențiu, candidat la obținerea atestatului de abilitare, Departamentul Roboți și Sisteme de Producție, Facultatea de Inginerie Industrială și Robotică, din Domeniul de Studii Universitare Inginerie Industrială, declar pe propria răspundere, cunoscând prevederile art. 326 Cod Penal privind falsul în declarații, că sunt îndeplinite toate Standardele minimale prevăzute prin OM nr. 3998/2024 pentru înscriere, în momentul înscrierii la obținerea atestatului de abilitare și susțin veridicitatea informațiilor prezentateîn dosar și în materialul de mai sus. Lucrările considerate a fi indexate WoS [ISI] sau în alte Baze de Date Internaționale [BDI] sunt vizibile în aceste baze, în dreptul numelui candidatului, la această dată.

Candidat,	**Semnătura,**	**Data,**
POPA Cicerone Laurențiu	.....	17.03.2026

ÎN CONTINUARE: Fișa de calcul și de susținere a îndeplinirii standardelor minimale specifice domeniului, în acord cu realizările menționate la punctul B.

Anexa nr.16 COMISIA INGINERIE INDUSTRIALĂ ŞI MANAGEMENT

Candidat POPA Cicerone Laurențiu

STANDARDE MINIMALE NECESARE ŞI OBLIGATORII PENTRU CONFERIREA TITLURILOR DIDACTICE DIN ÎNVĂŢĂMÂNTUL SUPERIOR ŞI S GRADELOR PROFESIONALE DE CERCETARE-DEZVOLTARE

1. Criterii şi condiţii					
Nr.crt.	**Domeniul activităţilor**	**Tipul activităţilor**	**Categorii şi restricţii**	**Subcategorii**	**Indicatori unitari (k_{pi})**
0	1	2	3	4	5
1	Activitatea didactică și profesională (A1)	1.1 Cărţi/manual/monografii/ Capitole în cări de specialitate	1.1.1 Cărţi/manual/monografii/ Capitole de specialitate ca autor Profesor: minimum 2 prim autor.	1.1.1.1 Internaţionale	nr. pag. / (5*nr. autori)
				1.1.1.2 naţionale (edituri recunoscute)	nr. pag. / (10*nr. autori)
				Popa Cicerone Laurențiu, Coteț Costel Emil - Aplicații software pentru proiecte multipolare, Editura Bren, ISBN 978-606-610-343-5, 130 pag., București, 2025. Punctaj=130/(10*2)=**6,5**	6,5
				Popa Cicerone Laurențiu, Coteț Costel Emil – Managementul de proiect în ingineria industrială, Editura POLITEHNICA PRESS, ISBN 978-606-515-808-5, 104 pag., Bucureşti, 2018. Punctaj=104/(10*2)=**5,2**	5,2
				Coteț Costel Emil, Popescu Diana, **Popa Cicerone Laurențiu**, Chiscop Florina - Managementul fluxurilor materiale în ingineria industrială, Editura POLITEHNICA PRESS, ISBN 978-606-515-581-7, 153 pag., Bucureşti, 2014. Punctaj=153/(10*4)=**3,825**	3,825
				Coteț Costel Emil, **Popa Cicerone Laurențiu** – Management industrial. Editura POLITEHNICA PRESS, ISBN 978-606-515-582-4, 183 pag., Bucureşti, 2014. Punctaj=103/(10*2)=**5,15**	5,15
				TOTAL	**20,675**
			1.1.2	1.1.2.1	nr. pag. /



			Cărţi ca editor	internaţionale	(10*nr. autori)
				1.1.2.2 naţionale	nr. pag. / (20*nr. autori)
				TOTAL	**0**
		1.2 Alte materiale didactice – inclusiv in format electronic (pentru format electronic – echivalent format A4 text fără figuri cu minimum 3200 caractere inclusive spaţii)	1.2.1 Suporturi de curs/ indrumare Profesor: minimum 4, din care 2 prim autor.		nr. pag. / (20*nr. autori)
				Popa Cicerone Laurenţiu, Coteţ Costel Emil, Chiscop Florina - Utilizarea Project Professional pentru managementul de proiect în ingineria industriala, Editura Bren, ISBN 978-606-610-341-1, 153 pag., Bucureşti, 2025. **Punctaj=153/(20*2)=2,55**	2,55
				Popa Cicerone Laurenţiu, Coteţ Costel Emil – Utilizarea Witness Horizon pentru managementul fluxurilor materiale în ingineria industrială, Editura POLITEHNICA PRESS, ISBN 978-606-515-807-8, 213 pag., Bucureşti, 2018. Punctaj=213/(20*2)=**5,325**	5,325
				Coteţ Costel Emil, **Popa Cicerone Laurenţiu** – Managementul fluxurilor materiale în ingineria industrială. Aplicaţii în Witness. Editura POLITEHNICA PRESS, , ISBN 978-606-515-575-6, 120 pag., Bucureşti, 2014. Punctaj=120/(20*2)=**3**	3
				Coteţ Costel Emil, **Popa Cicerone Laurenţiu**, Popescu Diana, Chiscop Florina, Rosu N. – Optimizarea fluxurilor materiale cu valori discrete. Aplicaţii în Witness. Editura POLITEHNICA PRESS, ISBN 978-606-515-576-3, 113 pag., Bucureşti, 2014. Punctaj=113/(20*5)=**1,13**	1,13
				Popescu Diana, Popa Cicerone Laurenţiu, Ciobanu Lidia Florentina, Grigoroiu G.E., Constantinescu Carmen Cristiana - Indrumar CAD CATIA V5R8, editura AIUS, ISBN 973-700-011-0, 165 pag., Craiova, 2004. Punctaj=165/(20*5)=**1,65**	1,65
				TOTAL	**13,655**
		1.3 Coordonare de programe de studii, organizare şi coordonare programe de formare continuă	Director/Responsabil		15
				Coordonarea programului de masterat Managementul Întreprinderilor Industriale Virtuale. Punctaj = **15**	15

				TOTAL	**15**
		1.4 Dezvoltare de noi discipline (se punctează o singură data în cazul multiplicării lor în programe de studii diferite	Titular		10
				Material Flow Management - cu predare în limba engleză, specializarea Robotics, disciplină nouă care a fost introdusă în anul 2025. Punctaj = **10**	10
				Project Management - cu predare în limba engleză, specializarea Robotics, disciplină nouă care a fost introdusă în anul 2024. Punctaj = **10**	10
				Inginerie industrială 2 - cu predare în limba română, licență, disciplină nouă care a fost introdusă în anul 2024. Punctaj = **10**	10
				Logistică industrială - cu predare în limba română, licență, disciplină nouă care a fost introdusă în anul 2023. Punctaj = **10**	10
				Aplicații software pentru managementul sistemelor logistice - cu predare în limba română, masterat, disciplină nouă care a fost introdusă în anul 2019. Punctaj = **10**	10
				Advanced Production Planning and Scheduling - cu predare în limba engleză, masterat, disciplină nouă care a fost introdusă în anul 2017. Punctaj = **10**	10
				Integrated Production Systems - cu predare în limba engleză, licență, disciplină nouă care a fost introdusă în anul 2016. Punctaj = **10**	10
				Rețele colaborative cercetare-producție - cu predare în limba română, masterat, disciplină nouă care a fost introdusă în anul 2013. Punctaj = **10**	10
				Management de proiect - cu predare în limba română, licență, disciplină nouă care a fost introdusă în anul 2012. Punctaj = **10**	10
				Componente tipizate pentru sisteme logistice - cu predare în limba română, licență, disciplină nouă care a fost introdusă în anul 2012. Punctaj = **10**	10
				Aplicații software pentru proiecte multipolare - cu predare în limba română, masterat, disciplină nouă care a fost	10

				introdusă în anul 2010. Punctaj = **10**	
				Managementul cercetării, dezvoltării și inovării - cu predare în limba română, licență, disciplină nouă care a fost introdusă în anul 2009. Punctaj = **10**	10
				TOTAL	**120**
		1.5 Proiecte educaţionale (ERASMUS, Leonardo etc.)	Director/Responsabil		10*(ani desfăşurare)
				TOTAL	**0**
1	A1	**TOTAL = 169,33**			
2	Activitatea de cercetare (A2)	2.1 Articole indexate în reviste ISI Thomson Reuters şi în volumele unor manifestări ştiinţifice indexate ISI Thomson Reuters, vizibile în baza de date	Minimum 8 articole, din care minimum 2 în reviste, minimum 3 ca autor principal, pentru Profesor (minimum 1 articol în reviste din zona roșie sau galbenă).		Pentru reviste (30+10*factor de impact)/(nr. de autori) Pentru volume conferinţe 25/(nr. de autori)
			Volumele unor manifestări ştiinţifice indexate ISI Thomson Reuters	**Cicerone Laurentiu Popa**, Ioana Iorga, Costel Emil Cotet, Ana Maria Ifrim, Constantin-Adrian Popescu, Tiberiu Gabriel Dobrescu. Optimization of Wiring Harness Logistics Flow in the Automotive Industry. Applied Sciences 14, no. 22: 10636, https://doi.org/10.3390/app142210636, WOS:001366735200001, Q1 la data publicării, 2024. Punctaj=(30+10*2.5)/6=**9,16**	9,16
			Articole indexate în reviste ISI Thomson Reuters	**Cicerone Laurentiu Popa**, Floarea-Loredana Seileanu, Costel Emil Cotet, Florina Chiscop, and Constantin-Adrian Popescu. Optimization Processes in Automotive Logistic Flow. Applied Sciences 14, no. 21: 10064. https://doi.org/10.3390/app142110064, WOS:001351056700001, Q1 la data publicării, 2024. Punctaj=(30+10*2.5)/5=**11**	11

				Florina Chiscop, Adrian Ionut Vlase, Carmen-Cristiana Cazacu, **Cicerone Laurentiu Popa**, Costel Emil Cotet. Manufacturing Productivity Improvement by Integrating Digital Tools Illustrated in the Optimization of a Hub Assembly Line. Machines 13, no. 9: 849. https://doi.org/10.3390/machines13090849, WOS:001580502300001, Q2 la data publicării, 2025. Punctaj=(30+10*2.5)/5=**11**	11
				Florina Chiscop, Andrei Serban, Carmen-Cristiana Cazacu, **Cicerone Laurentiu Popa**, Costel Emil Cotet. Virtual Commissioning for Optimization of an Automated Brushless Stator Assembly Line. Processes 13, no. 12: 3793. https://doi.org/10.3390/pr13123793, WOS:001648272600001, Q3 la data publicării, 2025. Punctaj=(30+10*2.8)/5=**11,6**	11,6
				Florina Chiscop, Eduard Stefan Jitaru, Carmen-Cristiana Cazacu, **Cicerone Laurentiu Popa**, Lidia Florentina Parpala, Costel Emil Cotet. Enhancing Production Line Station Efficiency and Performance via Dynamic Modelling Techniques. Processes 13, no. 10: 3176. https://doi.org/10.3390/pr13103176, WOS:001601608400001, Q3 la data publicării, 2025. Punctaj=(30+10*2.8)/6=**9,66**	9,66
				Carmen-Cristiana Cazacu, Ioana Iorga, Radu Constantin Parpală, **Cicerone Laurențiu Popa**, Costel Emil Coteț. Optimizing Assembly in Wiring Boxes Using API Technology for Digital Twin. Applied Sciences 14, no. 20: 9483. https://doi.org/10.3390/app14209483, WOS:001341740200001, Q1 la data publicării, 2024. Punctaj=(30+10*2.5)/5=**11**	11
				Radu Constantin Parpală, Mario Andrei Ivan, Lidia Florentina Parpală, Costel Emil Coteț, **Cicerone Laurențiu Popa**. Camera Calibration in High-Speed Robotic Assembly Operations. Applied Sciences 14, no. 19: 8687. https://doi.org/10.3390/app14198687, WOS:001332179100001, Q1 la data publicării, 2024. Punctaj=(30+10*2.5)/5=**11**	11

				Cicerone Laurentiu Popa, Tiberiu Gabriel Dobrescu, Catalin-Ionut Silvestru, Alexandru-Cristian Firulescu, Constantin Adrian Popescu, Costel Emil Cotet. Pollution and Weather Reports: Using Machine Learning for Combating Pollution in Big Cities. Sensors 21, no. 21: 7329. https://doi.org/10.3390/s21217329, WOS:000718516600001, Q1 la data publicării, 2021. Punctaj=(30+10*3.5)/5=**10,83**	10,83
				Costel Emil Cotet, Gicu Calin Deac, Crina Narcisa Deac, **Cicerone Laurentiu Popa**. An Innovative Industry 4.0 Cloud Data Transfer Method for an Automated Waste Collection System. Sustainability 12, no. 5: 1839. https://doi.org/10.3390/su12051839, WOS:000522470900140, Q2 la data publicării, 2020. Punctaj=(30+10*2.5)/5=**13,75**	13,75
				Crina Narcisa Deac, Gicu Calin Deac , Florina Chiscop, **Cicerone Laurentiu Popa**. Methods to identify time series abnormalities and predicting issues caused by component failures, MATEC Web Conf, Volume 290, 9th International Conference on Manufacturing Science and Education – MSE 2019 "Trends in New Industrial Revolution",Article Number 02002, WOS:000569367700025, 2019. Punctaj: 25/4= **6,25**	6,25
				Cicerone Laurentiu Popa, Costel Emil Cotet, Diana Popescu, Mihai Florin Solea, Simona Gheorghiţa Şaşcîm (Dumitrescu) and Tiberiu Dobrescu - Material flow design and simulation for a glass panel recycling installation, WASTE MANAGEMENT & RESEARCH, Volume: 36, Issue: 7, Pages: 653-660, DOI: 10.1177/0734242X18775487 , ISSN: 0734-242X, eISSN: 1096-3669, WOS:000438626300010, 2018. Punctaj=(30+10*1.631)/6=**7,71**	7,71

				Cicerone Laurentiu Popa, George Carutasu, Costel Emil Cotet, Nicoleta Luminita Carutasu,Tiberiu Dobrescu - Smart City Platform Development for an Automated Waste Collection System, revista Sustainability, 9(11), 2064; 15 pagini, doi:10.3390/su9112064, WOS:000416793400144, Q2 la data publicării, 2017. Punctaj=(30+10* 1.789)/5=**9,578**	9,578
				Costel Emil Cotet; **Cicerone Laurentiu Popa**; George Enciu., Adrian Popescu, Tiberiu Dobrescu. Using CAD and flow simulation for educational platform design and optimization, International Journal of Simulation Modelling IJSIMM, vol. 15, no. 1, March 2016, pg.5-15, ISSN 1726-4529. DOI:10.2507/IJSIMM12(2)2.225, WOS:000320830500002, 2016 Punctaj=(30+10* 1.770)/5=**9,54**	9,54
				Popa C.L., Cotet C. E., Ionita V. and Gavrila St. Modelling processing cell architecture by material flow simulation, Procedia Engineering 100, pp 334 – 339, Published by Elsevier Ltd., ISSN: 1877-7058 doi:10.1016/j.proeng.2015.01.376, WOS:000380551900041, 2015 Punctaj=25/4= **6,250**	6,25
				Popa, C. L., Parpala, R.C., Cotet, C. E. - Contact identification for Assembly/Disassembly process in CAD-CAE software. Annals of DAAAM for 2012 & Proceedings of The 23rd DAAAM International Symposium Intelligent Manufacturing & Automation, Volume 23, No.1, ISSN 2304-1382, ISBN 978-3-901509-91-9, pp 0613-0616, WOS: 000392423800143, 2012 Punctaj=25/3=**8,333**	8,333



				Chiscop, F.; **Popa C.L.;** Cotet C. E. Discrete material flow simulation in productivity diagnosis, Proceedings of the 5th International Conference on Manufacturing Science and Education (MSE 2011), pag.101-104, ISSN 1843-2522, Sibiu, Romania, WOS:000393733400025, 2011. Punctaj=25/3=**8,333**	8,333
				Popescu D., Parpala R.C., **Popa C.L**., Iacob R., Assembly/Disassembly advanced capabilities in CAD, CAE software, International Conference on Manufacturing Science and Education (MSE 2011), WOS:000393733400036, 2011. Punctaj=25/4=**6,25**	6,25
				Chiscop, F.; **Popa C.L.**; Cotet C. E. Product and Manufacturing Architecture Design using Virtual Modelling and Simulation Techniques, Proceedings of the 5th International Conference on Optimisation of the Robots and Manipulators (OPTIROB'2010), pag.241-245, ISBN 978-981-08-5840-7, WOS: 000392682500043, 2010. Punctaj=25/3=**8,333**	8,333
				Cotet, C.E., **Popa, C. L.** & Anghel, F. Integrating Discrete Material Flow Simulation in Product Lifecycle Management, in the Annals of DAAAM for 2009 & Proceedings of the 20th International DAAAM Symposium, ISBN:978-3-901509-70-4, ISSN: 1726-9679, WOS:000282335600183, 2009. Punctaj=25/3=**8,333**	8,333

				Anghel F., **Popa C.L.,** Aurite T., Functional and Technological Remodelling in Optimizing Manufacturing Networks Architecture, in the Annals of DAAAM for 2009 & Proceedings of the 20th International DAAAM Symposium, ISBN 978-3-901509-70-4, ISSN 1726-9679, WOS:000282335600405, 2009. Punctaj=25/3=**8,333**	8,333
				TOTAL	**186,243**
		2.2 Articole în reviste şi volumele unor manifestări stiinţifice indexate în alte baze de date internaţionale	Minimum 8 pentru Profesor.		15/nr. de autori
				Constantin-Adrian Popescu, Tudor George Alexandru, Emilia-Maria Popescu, **Cicerone Laurențiu Popa**, Cristina-Luciana Dudici, Design and structural analysis of a robotic platform for logistic systems, Proceedings in Manufacturing Systems, Vol. 19, Issue 4, 2024, pp. 143-150, BDI: Index Copernicus și ProQuest. Punctaj=15/5=**3**	3
				Constantin-Rareș Diaconu, Constantin-Adrian Popescu, **Cicerone Laurențiu Popa**, Emilia-Maria Popescu, Costel Emil Coteț. Using software and mathematical methods to optimise a bottling flow, Proceedings in Manufacturing Systems, Volume 18, Issue 4, 2023 pp.137-142, ISSN 2067-9238, BDI: Index Copernicus și ProQuest. Punctaj=15/5=**3**	3
				Crina Deac, Gicu Călin Deac, Radu Constantin Parpala, **Cicerone Laurentiu Popa**, Constantin Adrian Popescu. Vibration Anomaly Detection Using Multivariate Time Series, IJMO 2022 Vol.12(2): 61-65 ISSN: 2010-3697, DOI: 10.7763/IJMO.2022.V12.801, BDI: ProQuest, Crossref, Electronic Journals Library, EBSCO. Punctaj=15/5=**3**	3
				Gicu-Călin Deac, Crina-Narcisa Georgescu**, Cicerone Laurentiu Popa**, Tiberiu Dobrescu, and Costel Emil Cotet. Virtual Reality Laboratory for Distance Learning, IJMO 2022 Vol.12(2): 49-53 ISSN: 2010-3697, DOI: 10.7763/IJMO.2022.V12.799, BDI: ProQuest, Crossref, Electronic Journals Library, EBSCO. Punctaj=15/5=**3**	3
				Crina Deac, Gicu Călin Deac, Radu Constantin Parpală, **Cicerone Laurentiu Popa**, Costel Emil Cotet. Vibration Anomaly Detection using Deep Neural Network and	3

				Convolutional Neural Network - IJMO 2021 Vol.11(1): 19-28 ISSN: 2010-3697 DOI: 10.7763/IJMO.2021.V11.772, BDI: ProQuest, Crossref, Electronic Journals Library, EBSCO. Punctaj=15/5=**3**	
				Ioana Stefan (Iorga), Constantin-Adrian Popescu**, Cicerone Laurențiu Popa**, Tiberiu Gabriel Dobrescu, Costel Emil Coteț. The usage of RFID technology in wiring component storage systems, Journal Proceedings in Manufacturing Systems, pages 109 - 116, Volume 16, Issue 3, 2021, BDI: Index Copernicus și ProQuest. Punctaj=15/5=**3**	3
				Popescu Emilia-Maria, Popescu Constantin Adrian, **Popa Cicerone Laurentiu**, Dobrescu Tiberiu Gabriel, Cotet Costel Emil. Identifying speeds and accelerations for the systems within a didactic stand operated by means of stepper motors, in "MATEC Web of Conferences (2021-01-01): 02006, BDI: EBSCO, INSPEC. Punctaj=15/5=**3**	3
				Stefan (Iorga) Ioana, Popescu Constantin Adrian, **Popa Cicerone Laurentiu**, Dobrescu Tiberiu Gabriel, Cotet Costel Emil. Research regarding assembly flow optimization of wiring harness in automotive industry" in "MATEC Web of Conferences" (2021-01-01), BDI: EBSCO, INSPEC. Punctaj=15/5=**3**	3
				Crina Narcisa Georgescu, Gicu-Călin Deac, **Cicerone Laurențiu Popa**, Costel Emil Coteț. Computerized maintenance management system (CMMS) IOTIA – maintenance platform implementation for Industry 4.0, Proceedings n Manufacturing Systems, pages pp. 103-111, Volume 15, Issue 3, 2020, BDI: Index Copernicus și ProQuest. Punctaj=15/4=**3,75**	3,75
				Gicu-Călin Deac, Crina Narcisa Georgescu, **Cicerone Laurențiu Popa**, Costel Emil Coteț. Implementation of a virtual reality collaborative platform for Industry 4.0 offices, Proceedings n Manufacturing Systems, pages 95-102, Volume 15, Issue 3, 2020, BDI: Index Copernicus și ProQuest. Punctaj=15/4=**3,75**	3,75
				Gicu-Călin Deac, Crina-Narcisa Georgescu, **Cicerone**	3,75

				Laurentiu Popa, Costel Emil Cotet. Virtual Reality Digital Twin for a Smart Factory, IJMO 2020 Vol.10(6): 190-195 ISSN: 2010-3697, DOI: 10.7763/IJMO.2020.V10.769, BDI: ProQuest, Crossref, Electronic Journals Library, EBSCO. Punctaj=15/4=**3,75**	
				Deac, G.C., Georgescu, C.N., **Popa, C.L.,** Ghinea, M., Cotet, C.E. Virtual reality exhibition platform Annals of DAAAM and Proceedings of the International DAAAM Symposium 29(1), pp. 0232-0236, DOI:10.2507/29th.daaam.proceedings.033, ISSN: 17269679, 2018, BDI: Scopus Punctaj=15/5=**3**	3
				Crina Narcisa Georgescu, Gicu-Călin Deac, Florina Chiscop, **Cicerone Laurențiu Popa**, Costel Emil Coteț, Video working instruction system, Proceedings n Manufacturing Systems, pages 67-72, Volume 14, Issue 1, 2019, BDI: Index Copernicus și ProQuest. Punctaj=15/5=**3**	3
				Gicu-Călin Deac, Crina Narcisa Georgescu, **Cicerone Laurențiu Popa**, Costel Emil Coteț, Florina Chiscop. New method for sending data to the cloud from an OPC UA client application, Proceedings n Manufacturing Systems, pages 55-60, Volume 14, Issue 1, 2019, BDI: Index Copernicus și ProQuest. Punctaj=15/5=**3**	3
				Crina Narcisa Georgescu (Deac), Gicu-Călin Deac, Ghinea Mihalache, Costel Emil Coteț, **Cicerone Laurențiu Popa**, Virtual Reality Broadcasting Studio, Journal RST, pages 48-57, Supplement 1, 2019, BDI: Index Copernicus.Punctaj=15/5=**3**	3
				Florina Chiscop, Ioana Catalina Enache, **Cicerone Laurentiu Popa**, Tiberiu Gabriel Dobrescu & Costel Emil Cotet. Modelling, simulation and optimization of a chest freezer manufacturing architecture Annals of DAAAM and Proceedings of the International DAAAM Symposium, pages 197 - 206, Volume 30, No.1, 2019, BDI: Scopus Punctaj=15/5=**3**	3
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				Cicerone Laurentiu Popa, Costel Emil Cotet, Radu Constantin Parpala, Tiberiu Dobrescu. Methodology for computer-assisted optimization of waste flow, MATEC Web Conf., Volume 121, 8th International Conference on Manufacturing Science and Education – MSE 2017 "Trends in New Industrial Revolution", 2017, BDI: Scopus, WorldCat. Punctaj: 15/4= **3,75**	3,75
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				Gicu Calin Deac, Crina Narcisa Deac, **Cicerone Laurentiu Popa**, Mihalache Ghinea, Costel Emil Cotet. Machine Vision in Manufacturing Processes and the Digital Twin of Manufacturing Architectures, Proceedings of the 28th DAAAM International Symposium, pp.0733-0736, 2017, DOI: 10.2507/28th.daaam.proceedings.103, BDI: Scopus. Punctaj: 15/5= **3**	3
				Crina Narcisa Deac, Gicu Calin Deac, **Cicerone Laurentiu Popa**, Mihalache Ghinea & Costel Emil Cotet. Using Augmented Reality in Smart Manufacturing, Proceedings of the 28th DAAAM International Symposium, pp.0727-0732, 2017, DOI: 10.2507/28th.daaam.proceedings.102, BDI: Scopus Punctaj: 15/5= **3**	3
				Radu Constantin Parpală, **Cicerone Laurenţiu Popa**, Andrei Mario Ivan. Designing an Internet of Things (IoT) ready device for machine tool monitorizing, Proceedings in Manufacturing Systems, Volume 12, Issue 3, 2017, 135-139, ISSN 2067-9238, BDI: Index Copernicus. Punctaj: 15/3= **5**	5
				Şaşcîm (Dumitrescu) Simona Gheorghiţa, **Popa Cicerone Laurenţiu**, Stoica Cristian Eugen, Coteţ Costel Emil, (2016),	3,75

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				Popa Cicerone Laurenţiu, Coteţ Costel Emil, Şaşcîm (Dumitrescu) Simona Gheorghiţa, Stoica Cristian Eugen, Material flow management for processing plastic waste and toner dust, Academic Journal of Manufacturing Engineering, Volume 13, Issue 2 / 2015, pp. 36-41, 2015, BDI:Scopus. Punctaj: 15/4= **3,75**	3,75
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				Cotet C.E., **Popa C.L.,** Chiscop F., Dragoi G., Adamescu D., Costache B. M. Multipolar simulation revisited in manufacturing networks management. Annals of DAAAM for 2010 & Proceedings of the 21st International DAAAM Symposium, 2010, BDI: Scopus. Punctaj: 15/6= **2,5**	2,5

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				Popa, C.L. & Cotet,C.E. Discrete Material Flow Management in Multipolar Manufacturing Networks, Chapter 59 in DAAAM International Scientific Book 2010, pp. 679-686, ISBN 978-3-901509-74-2, ISSN 1726-9687, DOI: 10.2507/daaam.scibook.2010.59, BDI: WorldCat. Punctaj=15/2=**7,5**	7,5
				Coteţ C.E., **Popa C.L.,** Anghel F. Manufacturing architecture design using discrete material flow management – International Journal of Simulation Modelling IJSIMM, no. 4, vol. 8, December 2009, p.206-214, ISSN 1726-4529, BDI: SCOPUS. Punctaj=15/3=**5**	5
				Guran M., Coteţ C.E., **Popa C.L.** Knowledge-based economy main requirements regarding the definitions and the measurements for innovation as a system, Journal of Proceedings of the International conference on manufacturing systems ICMAS 2009, Volume 4, pag. 371-374, Editura Academiei Romane, 2009, BDI: Index Copernicus. Punctaj=15/3=**5**	5
				Ghionea A., Catrina D., **Popa C.L.** The Evolution and Technical Performances of Machining Centres, Journal of Proceedings of the International conference on manufacturing systems ICMAS 2009, Volume 4,pag. 069-074, Editura Academiei Romane, 2009, BDI: Index Copernicus Punctaj=15/3=**5**	5
				TOTAL	**127,5**
		2.3 Articole în extenso în reviste/volumele unor manifestări ştiinţifice naţionale/ internaţionale neindexate	Se admit max. două articole la aceeaşi editie		6/nr. autori (reviste) 4/nr. autori (volume conferinţe)
				Articole în reviste:	

				1. Gicu-Călin DEAC**, Cicerone Laurentiu POPA**, Mihalache GHINEA, Costel Emil COTET, Nicoleta CARUTASU - Development and implementation of software solutions for WEEE identification, weighing and sorting, 15th International Conference on Management and Innovative Technologies, Research and Science Today Supplement No. 2/2017, pp. 225-231, ISSN-e: 2344 – 0007. Punctaj=6/5=**1,2** 2. Diana POPESCU, **Cicerone Laurentiu POPA**, Radu Constantin PARPALA, Costel Emil COTET - Modular automated installation for separate waste collecting, 15th International Conference on Management and Innovative Technologies, Research and Science Today Supplement No. 2/2017, pp.66-72, ISSN-e: 2344 – 0007. Punctaj=6/4=**1,5**	1,2 1,5
				Articole apărute în proceedings: 1. C.E. Cotet, **C.L. Popa**, G. Enciu, A. Popescu and C.E. Stoica - Material flow digital twinning in the Industry 4.0 paradigm, Proceedings of the 14th International Conference on Management and Innovative Technologies - MIT 2016, pp. 43-49, ISBN 978-961-6980-17-3. Punctaj=4/5=**0,8** 2. A. Ghionea, G. Constantin, I. Ghionea, **C.L. Popa**, Aspects of kinematic structures, configuration and working possibilities of milling machining centers, 10th of International Multidisciplinary Conference, ISBN 978-615-5097-66-9, pp.59-64, Baia Mare 2013 Punctaj=4/4=**1** 3. Cotet C.E. **, Popa C.L.** , Chiscop F. and Parpala R.C. (2011)- Increasing productivity for assemble-disassemble systems. Management of Innovative Technologies & Sustainable Life in Manufacturing (MIT&SLIM 2011), Fiesa, Slovenia Punctaj=4/4=**1**	0,8 1 1

				4. Cotet C.E., **Popa C.L.**, Anghel F. (2009) - Something old, something new, something borrowed, something blue in discrete material flow management, Proceedings of the 10th Conference on Management of Innovative Technologies (MIT'2009), Fiesa, Slovenia, 27-29 September 2009, ISBN 978-961-6536-38-7. Punctaj=4/3=**1,333**	1,333
				5. A. Ghionea, G. Constantin, **C.L. Popa**, Kinematic structures and machining possibilities of some CNC machine tools, Scientific Bulletin, Serie C, Volume XXIII, Fascicle: Mechanics, Tribology, Machine Manufacturing Technology, ISSN 1224-3264, Baia Mare ,Romania, 2009. Punctaj=4/3=**1,333**	1,333
				6. **C.L. Popa**, F. Anghel, C. E. Cotet, Integrated versus isolated discrete material flow simulation, Proceedings of the 4th International Conference on Manufacturing Science and Education (MSE'2009), Sibiu,Romania, 2009, pag.125-128, ISSN 1843-2522. Punctaj=4/3=**1,333**	1,333
				7. **C.L. Popa**, L.F. Parpala, T. Aurite, Problem solving algortihm for the manufactruring department using agent technology, Chapter 51 in DAAAM International Scientific Book 2008, pp. 603-612, B. Katalinic (Ed.), Published by DAAAM International, ISBN 978-3-901509-69-0, ISSN 1726-9687, Vienna, Austria, 2008. Punctaj=4/3=**1,333**	1,333
				8. A. Vlase, A. Ghionea, I.G. Ghionea, **C.L. Popa**, Determination of the Cutting Torque in the 4NiCr180 Stainless Steel Drilling, Proceedings of the 17th International Conference on Manufacturing Systems – ICMaS 2008, Editura Academiei Române, pg. 243-246, ISSN 1842-3183, Bucureşti, Noiembrie, 2008. Punctaj=4/4=1	1

				9. A. Ghionea, G. Constantin, D. Catrina, A. Vintilescu, **C.L. Popa**, Configurations and modularization grade of some CNC turning machines, Proceedings of the 17th International Conference on Manufacturing Systems – ICMaS 2008, Editura Academiei Române, pg. 39-44, ISSN 1842-3183, Bucureşti, Noiembrie, 2008. Punctaj=4/5=**0,8**	0,8
				TOTAL	12,632
		2.4 Proprietate intelectuală, Brevete de invenţie şi inovaţie, etc.		2.4.1 internaţionale	40/nr. de autori
				2.4.2 naţionale	20/nr. de autori
				TOTAL	**0**
		2.5 Granturi/proiecte castigate prin competiţie sau contracte cu mediul socio-economic (în valoare de minimum 25000 lei, justificată cu documente care să ateste încasarea sumei)	2.5.1 Director/Responsabil – Minimum 2D sau 4R pentru Profesor.	2.5.1.1 internaţionale	20*val/(10 mii€)
				2.5.1.2 naţionale	10*val/(10 mii€)
				1D. Sistem integrat de colectare selectivă a deșeurilor pentru un oraș inteligent – SMARTCOLLECT, Coordonator (CO) - UPB, Partener (P1) – SC ECOPROTECH ENGINEERING SRL Programul 2 - Creşterea competitivităţii economiei româneşti prin cercetare, dezvoltare şi inovare Tip proiect: Transfer de cunoaștere la agentul economic „Bridge Grant” Cod proiect: PN-III-P2-2.1-BG-2016-0437 Nr contractului: 84BG /01.10.2016 Director de proiect: Popa Cicerone Laurențiu Durata proiect: 18 luni, 01.10.2016 - 30.03.2018 Valoare proiect: 453.875,00 lei Curs valutar 01.10. 2016 (stabilit pe 30.09.2016): 1 Euro=4,4523 lei **Punctaj=(10*453.875 lei : 4,4523)/10000=101,94**	101,94

				2D. Sistem automatizat de colectare separată a deșeurilor de echipamente electrice și electronice, GNAC ARUT 2023, 139/04.12.2023, 2023-2025, 13 luni. Director de proiect: Popa Cicerone Laurențiu Valoare proiect: 49.725,00 lei Curs valutar 04.12.2023: 1 Euro=4,9678 lei **Punctaj=(10*49.725 lei : 4,9678)/10000=10**	10
				TOTAL	111,94
			2.5.2 Membru în echipă	2.5.2.1 internaţionale	4*nr. ani participare în proiect
				2.5.2.2 naţionale	2* nr. ani participare în proiect
				1M. Tehnologie și echipament de înaltă productivitate și precizie pentru micro-electroeroziune asistată de ultrasunete, PNII Parteneriate în domenii prioritare, 2012-2017, PT 765/15.09.2014, Director de proiect: Daniel Ghiculescu Punctaj=2*2=**4**	4
				2M. Proiectarea fluxului tehnologic al unei instalatii pentru reciclarea parbrizelor, Competiția Cecuri de inovare, PN-II-IN-CI-2012-1-0063, (2012) Beneficiar: Gremlin Computer SRL, Partener UPB, Responsabil de proiect Diana Popescu. Punctaj=2*1=**2**	2
				3M. Modelarea Procesului de Asamblare / Dezasamblare (MoPAD), TE 233, PN-II RU 233/2010, 2010-2013, director de proiect Diana Popescu Punctaj=2*3=**6**	6
				4M. Sistem complex de analiza, evaluare si corecţie a locomoţiei umane – SIMAM, (2008-2010), Contract AMCSIT, Nr. 215/07.10.2008, Responsabil de proiect partener UPB Diana Popescu. Punctaj=2*2=**4**	4

				5M. Instrumente si tehnici de calcul de proiectare si analiza structurilor aeronautice intr-un mediu vizual 3D – INPROV, (2008-2010), Contract CNMP nr. 82-074/01.10.2008, Categoria de proiect: Complex, Responsabil de proiect partener UPB Diana Popescu. Punctaj=2*3=**6**	6
				6M. Sistem suport pentru integrarea activităţilor de planificare a resurselor şi programare a activităţilor cu managementul proceselor de fabricaţie în organizaţiile virtuale (PROGPROC), (2007-2010), proiect CNMP 11014/2007, Contract nr. D1.1.-.0.1.4 /14.09.2007. G. Drăgoi, responsabil/director de proiect din partea UPB-PREMINV. Punctaj=2*3=**6**	6
				7M. Sistem integrat CAD-CAM-CAE-pentru piese cu forme complexe din structura turbomotoarelor (COMOTI), (2007-2010), proiect CNMP 71-077 / 18.09.2007. Traian Aurite, responsabil/director de proiect din partea UPB-PREMINV. Punctaj=2*3=6	6
				8M. Cercetari fundamentale si aplicative privind prelucrea cu jet de apa si particule abrazive orientate electromagnetic -ELMAJET, (2006-2008), Contract Nr. 256/ 11.09.2006, proiect CEEX PC, Victor Geanta responsabil/director de proiect din partea UPB-PREMINV. Punctaj=2*2=**4**	4
				9M. Retea nationala de cercetare in domeniul ingineriei integrate a produselor si proceselor–INPRO, Proiect CEEX – PC, Nr. proiect: 1140, contract: 243/2006, Valoare totala 1500000 lei, din care 239.797 lei, UPB PREMINV (2006-2008), responsabil proiect Costel Coteț Emil. Punctaj=2*3=**6**	6
				10M. Cercetări privind structurarea, proiectarea, dezvoltarea, în conceptul organizării moderne, avansate-virtuale, extinse- a întreprinderilor industriale şi a altor domenii/activităţi complexe din economie, proiect CEEX PC-D03-PT00-1034 - ORGVIRT, (2005-2008), contract nr. 83/3.10.2005. G. Drăgoi, responsabil de proiect din partea UPB-PREMINV.	6



				Punctaj=2*3=**6**	
				11M. Centru de Servicii pentru Instruire, Cercetare si Consultanta in noua Economie Digitala (CESICED), (2004-2006), contract Relansin nr. 1972/19.09.2004. G. Drăgoi, director de proiect. Punctaj=2*2=**4**	4
				12M. Stand complex pentru testarea si incercarea suruburilor cu bile, (2004-2006), contract Relansin 1971/19.09.2004. director proiect UPB-PREMINV, Nicolae Predincea. Punctaj=2*3=**6**	6
				13M. Cilindru cu piston diferenţial pentru măsurarea maselor şi a greutăţilor, (2004-2006), contract Relansin 2143/15.10.2004. director proiect Anton Hadăr. Punctaj=2*2=**4**	4
				TOTAL	64
		2.6 Coordonare/dezvoltare laborator/centru cercetare (dacă laboratorul este şi didactic, punctajul se ia în calcul o singură data)	Responsabil	Coordonarea laboratorului Aplicații Software pentru Rețele Colaborative (ASeRCo) în cadrul centrului de cercetare UPB-PREMINV.	40
				TOTAL	**40**
2	A2	**TOTAL = 542,315**			
3	Recunoaşterea şi impactul activităţii (A3)	3.1 Vizibilitate în baze de date internaţionale	Număr de citări în publicaţii (fără autocitări)	3.1.1 citări în articole indexate ISI	10/nr.autori articol citat
				Articol citat: **Cicerone Laurentiu Popa**, George Carutasu, Costel Emil Cotet, Nicoleta Luminita Carutasu, Tiberiu Dobrescu - Smart City Platform Development for an Automated Waste Collection System, Sustainability 2017, 9(11), 2064; 15 pagini, doi:10.3390/su9112064 (ISI Impact Factor 1.789, Q2, WOS:000416793400144. 1. Alnanih, R.; Elrefaei, L.; Al-Ahwal, A. Advancing Sustainability Through an IoT-Driven Smart Waste Management System with Software Engineering Integration. Sustainability 2025, 17, 9803. https://doi.org/10.3390/su17219803, WOS:001613078400001. 2. Singh, J., El-Sappagh, S., Ali, F. et al. Smart waste	**44 de citări Total 88 pct.**

				management: a systematic review and scientometric analysis of artificial intelligence applications. Environ Dev Sustain (2025). https://doi.org/10.1007/s10668-025-05975-1, WOS:001468225400001. 3. Rosca, C.-M.; Stancu, A.; Tănase, M.R. A Comparative Study of Azure Custom Vision Versus Google Vision API Integrated into AI Custom Models Using Object Classification for Residential Waste. Appl. Sci. 2025, 15, 3869. https://doi.org/10.3390/app15073869, WOS:001463719300001. 4. Teresa Cepero, Luis G. Montané-Jiménez, Gina Paola Maestre-Góngora, A framework for designing user-centered data visualizations in smart city technologies, Technological Forecasting and Social Change, Volume 210, 2025, 123855, ISSN 0040-1625, https://doi.org/10.1016/j.techfore.2024.123855, WOS:001356132700001 5. Hamid Afshari, Amulya Gurtu, Mohamad Y. Jaber, Unlocking the potential of solid waste management with circular economy and Industry 4.0, Computers & Industrial Engineering, Volume 195, 2024, 110457, ISSN 0360-8352, https://doi.org/10.1016/j.cie.2024.110457, WOS:001295188200001 6. H. Algethami, "Synergizing Deep Learning and the Internet of Things (IoT) for Smart Waste Management (SWM)," 2024 IEEE 16th International Conference on Computational Intelligence and Communication Networks (CICN), Indore, India, 2024, pp. 498-506, DOI10.1109/CICN63059.2024.10847572, WOS:001447627200083 7. Liu, Q.; Chen, Y.; Hu, W.; Dong, J.; Sun, B.; Cheng, H. Underground Logistics Network Design for Large-Scale Municipal Solid Waste Collection: A Case Study of Nanjing, China. Sustainability 2023, 15, 16392. https://doi.org/10.3390/su152316392, WOS:001118022000001. 8. Shams, H.; Molla, A.H.; Ab Rahman, M.N.; Hishamuddin, H.; Harun, Z.; Kumar, N.M. Exploring Industry-Specific Research Themes on E-Waste: A Literature Review. Sustainability 2023, 15, 12244. https://doi.org/10.3390/su151612244,	

WOS:001055746400001.
9. Fang, B., Yu, J., Chen, Z. et al. Artificial intelligence for waste management in smart cities: a review. Environ Chem Lett 21, 1959–1989 (2023). https://doi.org/10.1007/s10311-023-01604-3, WOS:000984634700001.
10. Badrus Zaman, Bimastyaji Surya Ramadan, Anik Sarminingsih, Ika Bagus Priyambada, Mochamad Arief Budihardjo, Marine and macroplastic litter monitoring and strategic recommendation for reducing pollution: case study from Semarang City, DOI: 10.24425/aep.2023.148684, WOS: 001131871400006, Archives of Environmental Protection, no. 4, 2023, WOS:001131871400006.
11. Funioková, T; Kozel, P; Zapletal, F., Economic Perspective of Smart System for Waste Collection, 41st International Conference on Mathematical Methods in Economics-MME, ISBN 978-80-11-04132-8, ISSN 2788-3965, 2023, WOS:001551108000015.
12. Hasmawaty; Utami, YT and Antoni, D "Building Green Smart City Capabilities in South Sumatra, Indonesia", Sustainability, Volume14, Issue13, Article Number7695, DOI10.3390/su14137695, WOS:000825651100001
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14. Secinaro, S (Secinaro, Silvana) ; Brescia, V (Brescia, Valerio) ; Lanzalonga, F (Lanzalonga, Federico); Santoro, G (Santoro, Gabriele) "Smart city reporting: A bibliometric and structured literature review analysis to identify technological opportunities and challenges for sustainable development", Journal of Business Research, Volume149, Page296-313, DOI10.1016/j.jbusres.2022.05.032, WOS:000831726800024.
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				https://doi.org/10.1007/s10845-026-02813-7, WOS:001695674900001. 2. Manuel Hernandez-Mejia, David Romero, Tamás Ruppert, Federico Guedea, Omkar Salunkhe, Ciro A. Rodriguez, Johan Stahre, A review of robotic manipulation solutions for deformable linear objects: The case of wire harnesses (Co-)assembly by robots, Robotics and Autonomous Systems, Volume 199, 2026, 105375, ISSN 0921-8890, https://doi.org/10.1016/j.robot.2026.105375. WOS:001690316100002. 3. Adel, M (Adel, M.) ; El-Zahry, RM (El-Zahry, R. M.) ; Heshmat, M (Heshmat, M.). Simulation Modelling as a Tool for Automotive Wiring Assembly Optimisation: Application in Real Case Studies, South African Journal of Industrial Engineering, Volume36, Issue4, Page101-114, DOI10.7166/36-4-3230, WOS:001645247200009 4. Lugo-Niebla JR, Lagarda-Leyva EA, Acosta-Quintana MPG, Portugal-Vásquez J, Naranjo-Flores AA, Bueno-Solano A. System Dynamics Modeling and Multicriteria Analysis Methods for Selecting Scenarios in a Harness Assembling Plant. Systems. 2025; 13(11):936. https://doi.org/10.3390/systems13110936, WOS:001624390900001. 5. Butilă EV, Boboc RG. Mapping the Landscape of Romanian Automotive Research: A Bibliometric Analysis. Vehicles. 2025; 7(2):31. https://doi.org/10.3390/vehicles7020031, WOS:001516135700001.	
				Articol citat: **Cicerone Laurentiu Popa**, Floarea-Loredana Seileanu, Costel Emil Cotet, Florina Chiscop, and Constantin-Adrian Popescu. Optimization Processes in Automotive Logistic Flow. Applied Sciences 14, no. 21: 10064. https://doi.org/10.3390/app142110064, Q1 la data publicării, 2024, WOS:001351056700001. 1. Mihai Mutascu, Ana-Cristina Nicolescu, Operating financial sustainability in the German car industry: a new approach, Transport Policy, Volume 173, 2025, 103791, ISSN 0967-070X, https://doi.org/10.1016/j.tranpol.2025.103791.	**2 citări, Total 4 pct.**

				WOS:001582280400001. 2. Butilă EV, Boboc RG. Mapping the Landscape of Romanian Automotive Research: A Bibliometric Analysis. Vehicles. 2025; 7(2):31. https://doi.org/10.3390/vehicles7020031, WOS:001516135700001.	
				Articol citat: Carmen-Cristiana Cazacu, Ioana Iorga, Radu Constantin Parpală, **Cicerone Laurențiu Popa**, Costel Emil Coteț. Optimizing Assembly in Wiring Boxes Using API Technology for Digital Twin. Applied Sciences 14, no. 20: 9483. https://doi.org/10.3390/app14209483, Q1 la data publicării, 2024, WOS:001341740200001. 1. Chen, YF et all. AI-empowered intelligence in industrial robotics: technologies, challenges, and emerging trends, Intelligence & Robotics, Volume6, Issue1, Page1-18, DOI10.20517/ir.2026.01, WOS:001708164400001. 2. Adel, M (Adel, M.) ; El-Zahry, RM (El-Zahry, R. M.) ; Heshmat, M (Heshmat, M.). Simulation Modelling as a Tool for Automotive Wiring Assembly Optimisation: Application in Real Case Studies, South African Journal of Industrial Engineering, Volume36, Issue4, Page101-114, DOI10.7166/36-4-3230, WOS:001645247200009 3. ZhengWei Gong, Jun Song, Ping Zhang, Automotive fuse & relay box plug-in modules assembly correctness detection system based on machine vision, Engineering Applications of Artificial Intelligence, Volume 159, Part C, 2025, 111691, ISSN 0952-1976, https://doi.org/10.1016/j.engappai.2025.111691., WOS:001540507600003. 4. Cazacu C-C, Nasu TC, Hanga M, Cazacu D-A, Cotet CE. Smart Manufacturing Workflow for Fuse Box Assembly and Validation: A Combined IoT, CAD, and Machine Vision Approach. Applied Sciences. 2025; 15(17):9375. https://doi.org/10.3390/app15179375, WOS:001569556900001.	**4 citări, Total 8 pct.**
				TOTAL	203,6
				3.1.2 citări în articole indexate BDI	5/ nr.autori articol citat

				Articol citat: Costel Emil Cotet, Gicu Calin Deac, Crina Narcisa Deac, **Cicerone Laurentiu Popa**. An Innovative Industry 4.0 Cloud Data Transfer Method for an Automated Waste Collection System. Sustainability 12, no. 5: 1839. https://doi.org/10.3390/su12051839, Q2 la data publicării, 2020, WOS:000522470900140 1. Rishabh Machhan, Rupen Trehan, Perminderjit Singh, Kuldip Singh Sangwan, Blockchain, artificial intelligence, and big data, DOI: 10.1201/9781003246466-6, 2023, surse: Scopus 2. Zineb Boudanga, Siham benhadou, Hicham Medromi, An innovative medical waste management system in a smart city using XAI and vehicle routing optimization, DOI: 10.12688/f1000research.138867.1, F1000Research, vol. 12, 2023, surse: Scopus 3. Taj, I., Jhanjhi, N.Z. "Towards Industrial Revolution 5.0 and Explainable Artificial Intelligence: Challenges and Opportunities", International Journal of Computing and Digital Systems, 12(1), pp. 285-310. 4. Javaid, M., Haleem, A., Singh, R.P., Suman, R., Gonzalez, E.S. "Understanding the adoption of Industry 4.0 technologies in improving environmental sustainability", Sustainable Operations and Computers, pp. 203-217, SCOPUS 5. Florina Chiscop, Bogdan Necula, Carmen Cristiana Cazacu, Cristian Eugen Stoica "Using Digital Twining in Fast-food Production Chain Simulation", MATEC Web of Conferences, vol. 343, (2021-01-01), EBSCO	**5 citări, Total 6,25 pct.**
				Articol citat: **Cicerone Laurentiu Popa**, George Carutasu, Costel Emil Cotet, Nicoleta Luminita Carutasu, Tiberiu Dobrescu - Smart City Platform Development for an Automated Waste Collection System, Sustainability 2017, 9(11), 2064; 15 pagini, doi:10.3390/su9112064 (ISI Impact Factor 1.789, Q2, WOS:000416793400144. 1. Samiya Khan, Xiufeng Liu, Syed Arshad Ali, Mansaf Alam, Bivariate, Cluster, and suitability analysis of NoSQL solutions for big graph applications, DOI: 10.1016/bs.adcom.2021.09.006, 2023, surse: Scopus 2. GADE DS, [PDF][PDF] A deep dive into Smart City Technologies and Portfolio of Smart Services, 2023	**9 citări, Total 9 pct.**

				3. Rudresh Shirwaikar, Yogini Lamgaonkar, Lyzandra Dsouza, Diksha Prabhu Khorjuvenkar, Intelligent Waste Bot Using Internet of Things and Deep Learning for a Smart City, DOI: 10.1007/978-981-99-5994-5_25, 2023, surse: Scopus 4. Campisi, T., Nahiduzzaman, K.M., Al-Rashid, M.A., Tesoriere, G., "COVID-19 and impacts of the evolving city models on mobility", AIP Conference Proceedings, 2611,060007, SCOPUS 5. Jeevan, J., Selvaduray, M., Mohd Salleh, N.H., Ngah, A.H., Zailani, S., "Evolution of Industrial Revolution 4.0 in seaport system: an interpretation from a bibliometric analysis", Australian Journal of Maritime and Ocean Affairs, 14(4), pp. 229-250, EBSCO 6. Carmen Cristiana Cazacu, Florina Chiscop, Dragos Alexandru Cazacu "Using IoT to Dynamically Test Smart Connected Devices", MATEC Web of Conferences, vol. 343, (2021-01-01), EBSCO 7. Florina Chiscop, Bogdan Necula, Carmen Cristiana Cazacu, Cristian Eugen Stoica "Using Digital Twining in Fast-food Production Chain Simulation", MATEC Web of Conferences, vol. 343, (2021-01-01), EBSCO 8. Daiwei Li, Hanyang Liu, Xuanyu Xiao, Mingyu He "Machine vision-based design of human-machine interactive waste bins for shopping mall areas", 2021 IEEE Conference on Telecommunications, Optics and Computer Science (TOCS), (2021-01-01), EBSCO 9. Smart waste management using cloud computing Ezhilarasi, L.M., Dhanasu, M., Anguraj, K. 2019, Journal of Advanced Research in Dynamical and Control Systems 11(4 Special Issue), pp. 1236-1244, SCOPUS.	
				Articol citat: **Popa C.L.,** Cotet C. E., Ionita V. and Gavrila St. - Modelling processing cell architecture by material flow simulation, Procedia Engineering 100, pp 334 – 339, Published by Elsevier Ltd. doi:10.1016/j.proeng.2015.01.376, 2015, Accession Number: WOS:000380551900041 1. Nicoleta Pascu, Tiberiu Dobrescu, George Enciu, Gabriel Jiga - Graphic Modeling and Visual Impact on the Structural Design of Packaging in CAD Applications, Proceedings of the 26th International	**2 citări, Total 2,5 pct.**

				DAAAM Symposium 2016, pp.0265-0270, ISSN: 17269679, indexată SCOPUS 2. Citare: Swetha S, Priyadarsini Chilukuri, Gourav Tiwari - Modelling and Simulation of A Manufacturing Industry with Integrated Lean Manufacturing Concept, International Journal for Research in Engineering Application & Management (IJREAM), ISSN : 2454-9150, Vol-04, Issue-08, pag. 245-249, Nov 2018 (EBSCO, DOAJ)	
				Articol citat: Coteţ C.E., **Popa C.L.,** Anghel F. (2009) – Manufacturing architecture design using discrete material flow management – International Journal of Simulation Modelling IJSIMM, no. 4, vol. 8, December 2009, p.206-214, ISSN 1726-4529, indexată în SCOPUS. 1. Chiscop, F., Aurite, T., Cotet, C.E. - Manufacturing architecture diagnosis for a milling machine main shaft, Source of the Document UPB Scientific Bulletin, Series D: Mechanical Engineering 73 (4), pp. 185-194, 2011, indexat SCOPUS 2. Enache, I.-C., Chiscop, F., Simion, I., Funar, S.P. - Manufacturing architecture diagnosis using discrete material flow management, 23rd DAAAM International Symposium on Intelligent Manufacturing and Automation, pp. 205-208, 2012, indexat SCOPUS.	**2 citări, Total 3,32 pct.**
				TOTAL	**21,07**
				3.1.3 citări în alte publicaţii	3/ nr.autori articol citat
				TOTAL	
		3.2 Prezentări efectuate ca invitat/invitată în plenul unor manifestări ştiinţifice naţionale şi internaţionale şi Profesor invitat (exclusive Erasmus)		3.2.1 în străinătate	20
				3.2.2 în ţară	10

				Prezentare în plenul conferinței ”The 5-th edition of SLS and the 17-th edition of OPTIROB 2022”, 30 iunie-4 iulie 2022, Jupiter, România. Titlul prezentării: Designing and developing an automated waste collection system for a smart city	10
				TOTAL	10
		3.3 (a) Membru în colectivele de redaţie sau comitete ştiinţifice ale revistelor şi manifestărilor ştiinţifice, organizator de manifestări științifice / (b) Recenzor pentru reviste şi manifestări ştiinţifice naţionale şi internaţionale indexate ISI	Punctajul se ia în calcul o singura data pentru o revista sau pentru o manifestare stiintifica	3.3.1 indexate ISI	10
				Recenzent -Sensors	10
				Recenzent - Sustainability	10
				Recenzent - Smart Cities	10
				Recenzent - Energies	10
				3.3.2 indexate BDI	8
				Recenzent - International Journal of Applied Industrial Engineering (IJAIE) din anul 2016	8
				Recenzent IEEE IES INDIN17	8
				Recenzent - Journal of Environment and Waste Management	8
				Recenzent - Computers Journal	8
				3.3.3 naţionale şi internaţionale neindexate	5
				Recenzent - International conference Management of Innovative Technologies (MIT).	5
				TOTAL	**77**
		3.4 Experienţă de management, analiză şi evaluare în cercetare şi/sau învăţământ		3.4.1 Conducere	5*ani desfăşurare
				2020-prezent:Prodecan FIIR Punctaj: 5*5=**25**	25
				Președinte al comisiei de cercetare - facultatea IIR (2020 - prezent) Punctaj: 5*5=**25**	25
				3.4.2 Membru	2*ani desfăşurare
				Membru al Senatului POLITEHNICA București (2024-prezent).	



				Punctaj: 2*3=**4** Membru al Consiliului Facultății IIR (2020-prezent). Punctaj: 2*5=**10** Membru al Consiliului Departamentului Roboți și Sisteme de Producție, (2016-2020, 2024-prezent) Punctaj: 2*6=**12**	26
				TOTAL	**76**
		3.5 Premii		3.5.1 Academia Română	0
				3.5.2 ASAS, AOSR academii de ramură şi CNCS	0
				3.5.3 premii internationale 1. Câştigător al premiului Festo pentru tineri cercetători (Winner of Festo Young Researcher and Scientist Support) în anul 2008. Punctaj=10 2. Câştigător al premiului Festo pentru tineri cercetători (Winner of Festo Young Researcher and Scientist Support) în anul 2009. Punctaj=10 3. Premiul Gold Genius - Europe la salonul International de invenții Genius Europe desfășurat la Budapesta. Punctaj=10 **Total punctaj: 30**	30
				TOTAL	**30**
				3.5.3 premii naţionale în domeniu	0
		3.6 Membru în academii, organizaţii, asociaţii profesionale de prestigiu, naţionale şi internaţionale, apartenenţă la organizaţii din domeniul educaţiei şi cercetării	3.6.1 Academia română		0
			3.6.2 ASAS. AOSR şi academii de ramură		0
			3.6.3 Conducere asociaţii profesionale	3.6.3.1 internaţionale	0
				3.6.3.2 naţionale	0
			3.6.4 Asociaţii profesionale	3.6.4.1 internaţionale	0
				3.6.4.2 naţionale	3
				Membru al Asociaţiei ICMAS, din 2013	3
				Membru al Asociaţiei ALUMNI IMST	3

				TOTAL	6
			3.6.5 Organizaţii în domeniul educaţiei şi cercetării	3.6.5.1 Conducere	10
				3.6.5.2 Membru	5
3	A3	**TOTAL = 423,67**			

*) de la ultima promovare pentru posturi didactice şi de cercetare sau în ultimii 5 ani pentru candidaţii din afara sistemului de invăţământ; pentru abilitare de la ultima promovare sau în ullimii 5 ani.

**) bazele de dale internaţionale (BDI) luate în consideraţie pentru articolele publicate în reviste şi publicate în volumele unor manifestări ştiinţifice, cu excepţia articolelor publicate în reviste cotate ISI, sunt cele recunoscute pe plan ştiinţific inlternaţional precum: ACM, Cabi, CEEOL, CiteSeerX, Compendex/Engineering Village, CRCnetBASE, CrossRef, Current Contents, CSA, DBLP, DOAJ, EBSCO, EdlTLib, Emerald, ERIC, Genamics, GeoBase, GEOREF, IEEE Xplore, IFAC-PapersOnLine, Index Copernicus, INSPEC/IET, J-Gate, Library of Congress, MathSciNet, ProQuest, PubMed, Referativnai Jurnal, RePEc, Elsevier/Scopus, Elsevier/Science Direct, Springerlink, Ulrichsweb, WorldCat, Wiley, Zenodo, Zentrallblatt, Scientific.net, Seek Digital Library. De asemenea, sunt luate în considerare şi alte baze de date recunoscute: CNCS, iar în privinţa revistelor buletinele ştiinţifice cotate CNCS B+.

***) Se va lua în considerare, din bugetul total al proiectului, suma care revine instituţiei din partea căreia este Responsabil calculată la cursul de schimb oficial la data contractării.

****) Se aplica doar incepând din 2018 si se referă la întreaga activitate;

*****) Faclorul de impact în anul publicării.

2. Calculul punctajului

Calculul punclajului se realizează prin însumarea în cadrul fiecărei categorii de activităţi p (p= 1, 2, 3) a punctajelor specifice tipului activităţilor listate (i).

Pentru activităţi multiple în cadrul aceluiaşi tip de activitate punctajul se calculează prin mulliplicarea indicatorului unitar K_{pi}, specific tipului de aclivitale cu numărul n_{pi}, al activităţilor de acel tip: $A_{pi} = n_{pi} * k_{pi}$

Formula de calcul a indicelui de merit total A=A1+A2+A3 va fi:

$$A = \sum_i n_{1i} k_{1i} + \sum_i n_{2i} k_{2i} + \sum_i n_{3i} k_{3i}$$

3. Condiţii minimale privind punctajul

3.Condiţii minimale privind punctajul			
Nr. crt.	**Categoria**		
	Domeniul de activitate	**Condiţii profesor/abilitare**	**Realizat**

1	Activitate didactică/profesională (A1)	Minimum 130 puncte	
2	Activitate de cercetare (A2)	Minimum 300 puncte	
3	Recunoaşterea impactului activităţii (A3)	Minimum 100 puncte	
TOTAL		**530 puncte**	

