

UNIVERSITATEA PETROL - GAZE DIN PLOIEȘTI
FACULTATEA INGINERIE MECANICĂ ȘI ELECTRICĂ
DEPARTAMENTUL AUTOMATICĂ, CALCULATOARE ȘI ELECTRONICĂ

Anexa 4

Examen de promovare în cariera didactică pe postul de **conferențiar universitar, poz. 11**

Disciplinele postului: *Baze de date; Instrumente pentru dezvoltarea programelor; Sisteme de operare*

Domeniul: *Calculatoare, Tehnologia Informației și Ingineria Sistemelor*

FIȘA DE VERIFICARE

a îndeplinirii standardelor universității de prezentare la examenul de promovare în cariera didactică pe postul de **conferențiar universitar**

1. Studiile de doctorat

Nr. crt.	Instituția organizatoare de doctorat	D o m e n i u l	Perioada	Nr. Diplomă / Data (unde este cazul)
1.	Universitatea Petrol-Gaze din Ploiești	Ingineria sistemelor	01.10.2014 – 14.11.2018	Seria J Nr. 0029841 Nr. 767/11.12.2018

2. Adeverință eliberată de compartimentul de specialitate din UPG Ploiești care dovedește vechimea minimă de 6 ani a candidatului în calitate de cadru didactic în învățământul superior în cadrul UPG Ploiești.

A se vedea adeverința anexată la dosarul de înscriere.

3. Îndeplinirea cerințelor standardelor minimale naționale, specifice domeniului postului – se va atașa Fișa de calcul a îndeplinirii standardelor minimale conform OMENCS Nr. 6129 / 20.12. 2016.

Domeniul activităților	Categorii și restricții		Subcategorii		Indicatori (kpi)	Punctaj
1	2		3		4	X
Activitatea didactică și	Cărți de autor sau capitole ¹ de specialitate	Cărți / monografii	A1.1.1	internationale	50/nr. de autori sau 100/nr. de autori cu condiția ²	

¹ Capitolul de carte editată trebuie să NU fie într-un volum de conferință (cu ISBN) și se punctează cu 1/4 din punctajul pentru cartea din categoria respectivă.

² Dacă cartea respectivă se regăsește în cel puțin 50 de biblioteci din străinătate conform catalogului WorldCat.

profesională (A1)	în edituri cu ISBN			1. Rosca C.-M. , Stancu A. <i>Impact of Industry 6.0 on Human Cognitive Behavior</i> . In Machado, C., Davim, J.P (Eds.). From Industry 4.0 to Industry 6.0, ISTE Wiley, London, United Kingdom, 2025, ISBN 978-1-83669-029-0. https://doi.org/10.1002/9781394372775.ch3 https://search.worldcat.org/title/1515056008	Nr. autori=2 kpi=100 Capitol=1/4 WordCat =225	(100/2)/4=12,5
				2. Stancu A., Rosca C.-M. <i>Understanding the Agribusiness Model and Agricultural Value Chain with AI-Driven Technologies</i> . In Lukman Raimi, Olawale Paul Olatidoye, Thuraya Farhana Hj Said (Editors) Agripreneurship and the Dynamic Agribusiness Value Chain. Springer, Singapore, 2024, pp.329-344, Hardcover ISBN 978-981-97-7428-9, Softcover ISBN 978-981-97-7431-9, eBook ISBN 978-981-97-7429-6. https://doi.org/10.1007/978-981-97-7429-6_19 https://search.worldcat.org/title/1474243621?oclcNum=1474243621	Nr. autori=2 kpi=100 Capitol=1/4 WordCat =132	(100/2)/4=12,5
				3. Rosca C.-M. <i>Convergence Catalysts: Exploring the Fusion of Embedded Systems, IoT, and Artificial Intelligence</i> . In Yang X.S, (Editor) Engineering Applications of AI and Swarm Intelligence, Springer, Singapore, 2025, pp 69–87, ISBN 978-981-97-5978-1, Online ISBN 978-981-97-5979-8 https://doi.org/10.1007/978-981-97-5979-8_4 https://search.worldcat.org/title/1457623839	Nr. autori=1 kpi=100 Capitol=1/4 WordCat =64	(100/1)/4=25
				4. Rădulescu G., Pricop E., Nicolae M., Rosca C.-M <i>Using Modeling and Dynamic Simulation Technique for Systems' Safety and Security</i> . In Pricop E., Stamatescu G. (Eds) Recent Advances in Systems Safety and Security. Studies in Systems, Decision and Control, vol 62, Springer, Cham, pp. 57-77, 21 pg., Print ISBN 978-3-319-32523-1, Online ISBN 978-3-319-32525-5, Switzerland, 2016. https://doi.org/10.1007/978-3-319-32525-5_4 https://search.worldcat.org/title/950884527	Nr. autori=4 kpi=100 Capitol=1/4 WordCat =273	(100/4)/4=6,25
			A1.1.2	naționale	50/nr. de autori	
				1. Rosca C.-M. Instrumente pentru dezvoltarea programelor, Editura Universității Petrol-Gaze din Ploiești, 2022, ISBN 978-973-719-861-7, 224 pagini	Nr. autori=1 kpi=50	50/1= 50
				2. Rosca C.-M. Rădulescu G., Instrumente software pentru studiul sistemelor de operare avansate, Editura Universității Petrol-Gaze din Ploiești, 2021, ISBN 978-973-719-835-8, 283 pagini	Nr. autori=2 kpi=50	50/2= 25
				3. Rosca C.-M. Fundamentele bazelor de date cu aplicații în MySQL, Editura Universității Petrol-Gaze din Ploiești, 2019, ISBN 978-973-719-760-3, 235 pagini	Nr. autori=1 kpi=50	50/1= 50
	Material didactic / Lucrări	Manuale didactice	A1.2.1		40/ nr. autori	
				1. Rosca C.-M. Baze de date Microsoft în T-SQL Lucrări practice, Editura Universității Petrol-Gaze din Ploiești, 2023, ISBN 978-973-719-888-4, 213 pagini	Nr. autori=1 kpi=40	40/1= 40

	didactice publicate în edituri cu ISBN			2. Roșca C.-M. Instrumente pentru dezvoltarea programelor folosind mediul Visual Studio, Editura Universității Petrol-Gaze din Ploiești, 2022, ISBN 978-973-719-841-9, 237 pag	Nr. autori=1 kpi=40	40/1= 40
				3. Rosca C.-M. Rădulescu, G., Sisteme de operare – Lucrări practice, Editura Universității Petrol – Gaze din Ploiești, 2015, ISBN 978-973-719-590-6, Ploiești, 126 pag.	Nr. autori=2 kpi=40	40/2= 20
TOTAL A1						281,25
Activitatea de cercetare (A2)	Articole în reviste cotate ISI și lucrări în volumele unor manifestări științifice indexate ISI	A2.1.			(25+30*factor de impact ³) / nr. de autori	
			1. Diniță A, Roșca C.-M. , Tănase M., Stancu A., Portoacă A.I. Exploring the Synergy of Machine Learning Integration in 3D Printing and Additive Manufacturing. IEEE Access, 2025, Vol. 13, 198016-198033. WOS:001626857700017. https://doi.org/10.1109/ACCESS.2025.3633943	IF=3,6 Nr. autori=5 JCR 2024 Q2	(25 +30 ×3,6)/5=	26,6
			2. Diniță A., Roșca C.-M. , Stancu A., Popescu C. Distributed IoT-Based Predictive Maintenance Framework for Solar Panels Using Cloud Machine Learning in Industry 4.0. Sustainability, 2025, Vol. 17. No. 21, 9412. WOS:001613081300001. https://doi.org/10.3390/su17219412	IF=3,3 Nr. autori=4 JCR 2024 Q2	(25 +30 ×3,3)/4=	31
			3. Rosca C.M. , Stancu A., Popescu C. Machine Learning Models for SQL Injection Detection. Electronics, 2025, Vol. 14, No. 17, 3420. WOS:001569648100001. https://doi.org/10.3390/electronics14173420	IF=2,5 Nr. autori=3 JCR 2024 Q2	(25 +30×2,5)/3=	33,33
			4. Diniță A., Roșca C.-M. , Tănase M., Stancu A. A Comprehensive Review on Bridging the Research Gap in AI-Driven Material Simulation for FRP Composites. Computer Modeling in Engineering & Sciences, 2025, Vol. 144, No. 1, pp. 147-199. WOS:001530810800001. https://doi.org/10.32604/cmes.2025.066276	IF=2,5 Nr. autori=4 JCR 2024 Q1	(25 +30 ×2,5)/4=	25
			5. Rosca C.-M. , Stancu A. Innovative AIoT Solutions for PET Waste Collection in the Circular Economy Towards a Sustainable Future. Applied Sciences, 2025, Vol. 15, No. 13, 7353. WOS:001526163300001. https://doi.org/10.3390/app15137353	IF=2,5 Nr. autori=2 JCR 2024 Q2	(25 +30 ×2,5)/2=	50
			6. Rosca C.-M. , Stancu A. Anomaly Detection in Elderly Health Monitoring via IoT for Timely Interventions. Applied Sciences, 2025, Vol. 15, No. 13, 7272. WOS:001526163700001. https://doi.org/10.3390/app15137272	IF=2,5 Nr. autori=2 JCR 2024 Q2	(25 +30 ×2,5)/2=	50
			7. Rosca C.-M. , Stancu A. Quality assessment of GPT-3.5 and Gemini 1.0 Pro for SQL syntax. Computer Standards & Interfaces, 2026, Vol. 95, 104041. WOS:001522328900001. https://doi.org/10.1016/j.csi.2025.104041	IF=3,1 Nr. autori=2 JCR 2024 Q2	(25 +30×3,1)/2=	59

³ Se consideră factorul de impact ISI al revistei valabil în anul publicării sau la data depunerii dosarului. Pentru volumele manifestărilor ISI se consideră factorul de impact echivalent 0.25. Pentru volumele conferințelor internaționale de top în domeniul de abilitare se consideră factorul de impact echivalent 0.75 (lista acestora agreată și ținută la zi de comisia CNATDCU nr.15 fiind disponibilă la adresa www.cnatdcu-c15.org);

		8. Rosca C.-M. , Stancu A. Emerging Trends in AI-Based Soil Contamination Monitoring and Prevention. Agriculture, 2025, Vol. 15, No. 12, 1280. WOS:001515155700001. https://doi.org/10.3390/agriculture15121280	IF=3,6 Nr. autori=2 JCR 2024 Q1	(25 +30×3,6)/2= 66,5
		9. Rosca C.-M. , Carbureanu M., Stancu A. Data-Driven Approaches for Predicting and Forecasting Air Quality in Urban Areas. Applied Sciences, 2025, Vol. 15, No. 8, 4390. WOS:001474680900001. https://doi.org/10.3390/app15084390	IF=2,5 Nr. autori=3 JCR 2023 Q1	(25 +30×2,5)/3= 33,33
		10. Rosca C.-M. , Stancu A., Gortoescu I.-A. Advanced Sensor Integration and AI Architectures for Next-Generation Traffic Navigation. Applied Sciences, 2025, Vol. 15, No. 8, 4301. WOS:001474712900001. https://doi.org/10.3390/app15084301	IF=2,5 Nr. autori=3 JCR 2023 Q1	(25 +30×2,5)/3= 33,33
		11. Rosca C.-M. , Stancu A., Popescu M. The Impact of Cloud Versus Local Infrastructure on Automatic IoT-Driven Hydroponic Systems. Applied Sciences, 2025, Vol. 15, No. 7, 4016. WOS:001463673500001. https://doi.org/10.3390/app15074016	IF=2,5 Nr. autori=3 JCR 2023 Q1	(25 +30×2,5)/3= 33,33
		12. 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. Applied Sciences, 2025, Vol. 15, No. 7, 3869. WOS:001463719300001. https://doi.org/10.3390/app15073869	IF=2,5 Nr. autori=3 JCR 2023 Q1	(25 +30×2,5)/3= 33,33
		13. Rosca C.-M. , Rădulescu G., Stancu A. Artificial Intelligence of Things Infrastructure for Quality Control in Cast Manufacturing Environments Shedding Light on Industry Changes, Applied Sciences, 2025, Vol. 15, No. 4, 2068. WOS:001429889600001. https://doi.org/10.3390/app15042068	IF=2,5 Nr. autori=3 JCR 2023 Q1	(25 +30×2,5)/3= 33,33
		14. Rosca C.-M. , Stancu A. Fusing Machine Learning and AI to Create a Framework for Employee Well-Being in the Era of Industry 5.0. Applied Sciences, 2024, Vol. 14, No. 23, 10835. WOS:001376261600001. https://doi.org/10.3390/app142310835	IF=2,5 Nr. autori=2 JCR 2023 Q1	(25 +30 ×2,5)/2= 50
		15. Rosca C.-M. , Stancu A. Earthquake Prediction and Alert System Using IoT Infrastructure and Cloud-Based Environmental Data Analysis. Applied Sciences, 2024, Vol. 14, No. 22, 10169. WOS:001366831400001. https://doi.org/10.3390/app142210169	IF=2,5 Nr. autori=2 JCR 2023 Q1	(25 +30 ×2,5)/2= 50
		16. Rosca C.-M. , Stancu A., Neculaiu C.-F., Gortoescu I.A. Designing and Implementing a Public Urban Transport Scheduling System Based on Artificial Intelligence for Smart Cities, Applied Sciences, 2024, Vol. 14, No. 19, 8861. WOS:001333804900001. https://doi.org/10.3390/app14198861	IF=2,5 Nr. autori=4 JCR 2023 Q1	(25 +30 ×2,5)/4= 25
		17. Rosca C.-M. , Stancu A., Ariciu A.-V. Algorithm for child adoption process using artificial intelligence and monitoring system for children. Internet of Things, 2024, Vol 26, 101170, WOS:001222347600001. https://doi.org/10.1016/j.iot.2024.101170	IF=7,6 Nr. autori=3 JCR 2024 Q1	(25 +30×7,6)/3= 84,33

		18. Rosca C.-M. , Popescu M., Patrascioiu C., Stancu A. Comparative Analysis of pH Level Between Pasteurized and UTH Milk Using Dedicated Developed Application. Revista de Chimie, 2019, Vol. 70, No.11, pp. 3917-3920. WOS:000503185300029. https://revistadechimie.ro/pdf/29%20ROSCA%20C%20I%201%2019.pdf	IF=1,755 Nr. autori=4 JCR 2019 Q3	$(25+30) \times 1,755 / 4 = 19,41$
		19. Rosca C.-M. , Paraschiv N. Comparative analysis among frequency sampling algorithm applied in microwave measurements. In 22nd International Conference on System Theory, Control and Computing (ICSTCC), October 10 - 12, 2018, Sinaia, România, ICSTCC Proceedings, pp. 816-821, Electronic ISBN: 978-1-5386-4444-7, USB ISBN: 978-1-5386-4443-0, Print on Demand(PoD) ISBN: 978-1-5386-4445-4. WOS:000465109800134. https://doi.org/10.1109/ICSTCC.2018.8540696	IF=0,25 Nr. autori=2	$(25+30) \times 0,25 / 2 = 16,25$
		20. Rosca C.-M. , Paraschiv N. Frequency sampling algorithm applied in microwave measurements based on extreme points. In 10th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), 28-30 June 2018, Iasi, Romania, ECAI Proceedings, pp. 1-6, Electronic ISBN: 978-1-5386-4901-5, USB ISBN: 978-1-5386-4900-8, Print on Demand(PoD) ISBN: 978-1-5386-4902-2. WOS:000467734100095. https://doi.org/10.1109/ECAI.2018.8679025	IF=0,25 Nr. autori=2	$(25+30) \times 0,25 / 2 = 16,25$
		21. Rosca C.-M. , Paraschiv N. Frequency Sampling Algorithm Applied in Microwave Measurements. In 21st International Conference on System Theory, Control and Computing (ICSTCC), October 19 - 21, 2017, Sinaia, România, ICSTCC Proceedings, pp. 328-333, Electronic ISBN: 978-1-5386-3842-2, USB ISBN: 978-1-5386-3841-5, Print on Demand(PoD) ISBN: 978-1-5386-3843-9. WOS:000427419900053. https://doi.org/10.1109/ICSTCC.2017.8107055	IF=0,25 Nr. autori=2	$(25+30) \times 0,25 / 2 = 16,25$
		22. Rosca C.-M. , Paraschiv N. Frequency sampling algorithm applied in microwave measurements based on step-size control method. In 8th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), 30 June-2 July, 2016, Ploiești, Romania, ECAI Proceedings, pp. 1-4, Electronic ISBN: 978-1-5090-2047-8, DVD ISBN: 978-1-5090-2044-7, Print on Demand(PoD) ISBN: 978-1-5090-2048-5. WOS:000402541200040. https://doi.org/10.1109/ECAI.2016.7861104	IF=0,25 Nr. autori=2	$(25+30) \times 0,25 / 2 = 16,25$
		23. Rosca C.-M. , Paraschiv N., Increased speed in microwave measurements based on spline interpolation model. In 13th International Conference on Development and Application Systems (DAS), 19-21 May 2016, Suceava, Romania, DAS Proceedings, pp.166-171, Electronic ISBN: 978-1-5090-1993-9, DVD ISBN: 978-1-5090-1992-2. WOS:000383222200028. https://doi.org/10.1109/DAAS.2016.7492567	IF=0,25 Nr. autori=2	$(25+30) \times 0,25 / 2 = 16,25$
		24. Rosca C.-M. , Rădulescu G., Reduced time microwave filter tuning. In 7th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), 25-27 June, 2015, Bucharest, Romania, ECAI Proceedings, pp.9-12, Electronic ISBN: 978-1-4673-6647-2, Print ISBN: 978-1-4673-6646-5, DVD ISBN: 978-1-4673-6645-8. WOS:000370971100062. https://doi.org/10.1109/ECAI.2015.7301197	IF=0,25 Nr. autori=2	$(25+30) \times 0,25 / 2 = 16,25$

	Articole în reviste, și în volumele unor manifestări științifice indexate în alte baze de date internaționale recunoscute (BDI) ⁴		A2.2	1. Rosca C.-M. , Cărbureanu M. A Comparative Analysis of Sorting Algorithms for Large-Scale Data: Performance Metrics and Language Efficiency. In: Noor, A., Saroha, K., Pricop, E., Sen, A., Trivedi, G. (eds) Proceedings of 4th International Conference Emerging Trends and Technologies on Intelligent Systems, March 27-28, 2024, New Delhi, India. ETTIS 2024. Lecture Notes in Networks and Systems, vol. 1073, Springer, Singapore, pp 99–113. https://doi.org/10.1007/978-981-97-5703-9_8	Nr. autori=2 BDI: Scopus	20/2= 10
				2. Rosca C.-M. , Bold R-A., Gereș A-E. A Comprehensive Patient Triage Algorithm Incorporating ChatGPT API for Symptom-Based Healthcare Decision-Making. In: Noor, A., Saroha, K., Pricop, E., Sen, A., Trivedi, G. (eds) Proceedings of 4th International Conference Emerging Trends and Technologies on Intelligent Systems, March 27-28, 2024, New Delhi, India. ETTIS 2024. Lecture Notes in Networks and Systems, vol. 1073, Springer, Singapore, pp. 167–17. https://doi.org/10.1007/978-981-97-5703-9_13	Nr. autori=3 BDI: Scopus	20/3= 6,66
				3. Rosca C.-M. New Algorithm to Prevent Online Test Fraud Based on Cognitive Services and Input Devices Events. In: Noor, A., Saroha, K., Pricop, E., Sen, A., Trivedi, G. (eds) Proceedings of Third Emerging Trends and Technologies on Intelligent Systems, Feb 23-24, 2023, New Delhi, India. ETTIS 2023. Lecture Notes in Networks and Systems, vol. 730. Springer, Singapore, pp 207–219. https://doi.org/10.1007/978-981-99-3963-3_17	Nr. autori=1 BDI: Scopus	20/1= 20
				4. Rosca C.-M. , Stancu A. Real-time betting algorithm for tennis matches. In 14th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), 30 June - 01 July 2022, Ploiesti, Romania, Electronic ISBN: 978-1-6654-9535-6, USB ISBN:978-1-6654-9534-9, Print on Demand(PoD) ISBN: 978-1-6654-9536-3, pp. 1-4 https://doi.org/10.1109/ECAI54874.2022.9847483	Nr. autori=2 BDI: IEEE Xplore	20/2= 10
				Proprietate intelectuală, brevete de invenție, certificate ORDA		A2.3.1
-	-					
A2.3.2	Naționale (OSIM)	25 /nr. autori				
	-	-				
	Granturi / proiecte de cercetare câștigate prin	Director / responsabil partener	A2.4.1.1	internaționale	20 * ani desfășurare	
				-	-	

⁴ Pentru domeniul Calculatoare, Tehnologia Informației și Ingineria Sistemelor sunt recunoscute următoarele baze de date internaționale (BDI): ISI, Scopus, IEEE (Institute of Electrical and Electronics Engineers) Xplore, Science Direct, Elsevier, Springerlink, ACM (Association for Computing Machinery), DBLP, EURASIP, Wiley, Inspec

⁵ Se dublează punctajul dacă rezultatul este înregistrat la WIPO, EPO, USPTO, JPO

	competiție ⁶ sau Contracte cu agenți economici, în valoare de minim 10000 dolar SUA echivalent încasați ⁶	Membru în echipă	A2.4.1.2.	naționale	10 * ani desfășurare
				Contract cu agenți economici Nr.: 18354/18.07.2025 Titlu: <i>Proiectarea și implementarea unui model de potrivire semantică bazat pe înțelegerea limbajului natural pentru asistență automată</i> Beneficiar: Neo Wave Europe SRL Valoare încasată: 51000 lei + 21% TVA = 61710 lei (14149 USD) https://cursbnr.nxm.ro/data/20-07-2025 (1 USD = 4,36120 RON) Perioada: 21.07.2025–05.09.2025	T = 0,12 ani 1,2
			A2.4.2.1.	internationale	4 * ani desfășurare
				-	-
			A2.4.2.2.	naționale	2 * ani desfășurare
				Grant de cercetare Titlu: <i>Sustainable Business Models in the Context of Digital and Green Economy</i> Nr.: GO-GICS-30710/10.12.2024 Beneficiar: Universitatea Petrol-Gaze din Ploiești Sursa de finanțare: fonduri publice Valoarea finanțării: 40000 lei (8514 USD) https://cursbnr.nxm.ro/data/09-12-2024 (1 USD = 4,69800 RON) Perioada: 10.12.2024–28.02.2026	-
TOTAL A2					882,18
Recunoașterea și impactul activității (A3)	Citări ⁷ în cărți, reviste și volume ale unor manifestări științifice	A3.1.1	Cărți, ISI ⁸		8 / nr. aut. articol citat
			Lucrare citată: Rosca C.-M., Stancu A. Fusing Machine Learning and AI to Create a Framework for Employee Well-Being in the Era of Industry 5.0. Applied Sciences, 2024, Vol. 14, No. 23, 10835. WOS:001376261600001. https://doi.org/10.3390/app142310835		

⁶ Nu se consideră în această categorie proiecte/granturi care nu prezintă un caracter predominant de cercetare. Se consideră numai proiecte/granturi relevante pentru profilul postului scos la concurs / domeniul de abilitare. Candidatul va atașa documente care să demonstreze caracterul de cercetare al proiectului.

⁷ Se exclud autocitățile (auto-citarea se referă la situația în care numele candidatului apare simultan atât printre numele autorilor referinței bibliografice în cauză cât și printre numele autorilor articolului care citează, conform WOS https://images.webofknowledge.com/WOKRS523R4/help/WOS/hs_crsearch_self_citations.html)

⁸ Se dublează punctajul dacă citarea provine dintr-o revistă cotate ISI aflată printre primele 50% în cadrul subdomeniului (sau al unuia dintre subdomeniile) de acreditare ISI din punct de vedere al factorului de impact (zonele Q1-Q2 în notația ISI).

			Lucrare care citează: 1. Nisha A. R., Subramani A. K., Ranjithaa K. C. (2026). Emotion AI for Human-Centered Leadership and Training. In Mrabet, J., Boudagga, S., Sharma, R., Bansal, R., (Eds.). Harnessing Emotion AI for Customer Support and Employee Wellbeing, 2026, pp. 383-416, IIGI Global Scientific Publishing. https://doi.org/10.4018/979-8-3373-3658-9.ch015 (https://www.igi-global.com/gateway/chapter/385566)	Nr. autori=2 Capitol carte	8/2= 4
			2. Singh P., Chaudhary R. Enhancing Employee Wellbeing in Industry 5.0: A Comprehensive Literature Review. In: Agarwal, P., Kumar, N., Bansal, S., Karaca, Y. (eds) Building a Human-Centred Infrastructure for Sustainable Industry 5.0 in Asia. 2025, Palgrave Macmillan, Singapore. https://doi.org/10.1007/978-981-95-0417-6_11	Nr. autori=2 Capitol carte	8/2= 4
			Lucrare citată: Rosca C.-M., Stancu A., Neculau C.-F., Gortoescu I.A. Designing and Implementing a Public Urban Transport Scheduling System Based on Artificial Intelligence for Smart Cities, Applied Sciences, 2024, Vol. 14, No. 19, 8861. WOS:001333804900001. https://doi.org/10.3390/app14198861		
			Lucrare care citează: 3. Schutz J., Sauvey C. Sustainable and Profitable Urban Transport: Implementing a ‘Tire-as-a-Service’ Model with Regrooving and Retreading. Sustainability, Vol 17, No. 9, 3892, 2025. WOS:001486538000001. https://doi.org/10.3390/su17093892	Nr. autori=4 JCR 2024 Q2	(8/4)×2= 4
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	Membru în colectivele de redacție sau comitetele științifice ale revistelor indexate ISI, chair, co-chair sau membru în comitetele de organizare ale manifestărilor științifice internaționale indexate ISI ⁹	A3.2.		10 / fiecare revistă/manifestare	
			-	-	-

⁹ Nu se considera calitatea de recenzor al unor articole individuale.

Membru în colectivele de redacție sau comitetele științifice ale revistelor indexate BDI, chair, co-chair sau membru în comitetele de organizare ale manifestărilor științifice indexate BDI ⁹	A3.3.		6 / fiecare revistă/manifestare	
		- Membru în comitetul de organizare al celei de-a 14-a ediții a conferinței internaționale Electronics, Computers and Artificial Intelligence (ECAI) găzduită de Universitatea Petrol-Gaze din Ploiești, în perioada 30 iunie - 1 iulie, 2022, conferință indexată IEEE Xplore	-	6
	A3.4.		15/ premiu	
		- <i>Exceptional Reviewer</i> 2025, Symmetry MDPI	-	15
		- <i>Best Paper</i> la International Conference on Emerging Trends and Technologies on Intelligent Systems (ETTIS-2025), 19-21 martie, 2025, New Delhi, India pentru lucrarea Cărbureanu, M., Rosca C.M., Evaluating Wastewater pH Prediction Solutions in Custom Python and C# Models	-	15
- <i>Best Paper</i> la International Conference on Emerging Trends and Technologies on Intelligent Systems (ETTIS-2024), 27-28 martie, 2024, New Delhi, India pentru lucrarea Roșca C.M., Cărbureanu, M., A Comparative Analysis of Sorting Algorithms for Large-Scale Data: Performance Metrics and Language Efficiency. In: Noor, A., Saroha, K., Pricop, E., Sen, A., Trivedi, G. (eds) Proceedings of 4th International Conference Emerging Trends and Technologies on Intelligent Systems, March 27-28, 2024, New Delhi, India. ETTIS 2024. Lecture Notes in Networks and Systems, vol. 1073, Springer, Singapore, 2025, pp 99–113. https://doi.org/10.1007/978-981-97-5703-9_8 , indexată Scopus		-	15	
		- <i>Best Paper</i> la International Conference on Emerging Trends and Technologies on Intelligent Systems (ETTIS-2023), 23-24 februarie, 2023, New Delhi, India, pentru lucrarea Roșca C.M., New Algorithm to Prevent Online Test Fraud Based on Cognitive Services and Input Devices Events. In: Noor, A., Saroha, K., Pricop, E., Sen, A., Trivedi, G. (eds) Proceedings of Third Emerging Trends and Technologies on Intelligent Systems, Feb 23-24, 2023, New Delhi, India. ETTIS 2023. Lecture Notes in Networks and Systems, vol. 730. Springer, Singapore, pp 207–219. https://doi.org/10.1007/978-981-99-3963-3_17 , indexată Scopus	-	15
TOTAL A3		351,82		

2. Formula de calcul a indicatorului de merit (A=A1+A2+A3)

$$A = \sum_i K_{1i} + \sum_i K_{2i} + \sum_i K_{3i}, \text{ unde } k_{pi} - \text{Indice specific tipului și categoriei de activitate}$$

3. Condiții minimale (Ai)

Nr.crt.	Domeniul de activitate	Punctaj impus	Punctaj realizat	Criteriu îndeplinit(DA/NU)
A1	Activitate didactică / profesională (A1)	50	281,25	DA
A2	Activitatea de cercetare (A2)	300	882,18	DA
A3	Recunoașterea impactului activității (A3)	50	351,82	DA
TOTAL (A)		400	1515,25	DA

Condiții minimale obligatorii pe subcategorii

Criteriu / condiție pe subcategorii		Impus	Realizat	Îndeplinit
A1.1.1 – A1.1.2	Cărți de specialitate	1 carte / capitol	7	Îndeplinit
A2.1	Articole în reviste cotate ISI și în volumele unor manifestări științifice indexate ISI proceedings	6 din care minimum 1 în reviste coate ISI Q1 sau Q2	24 din care 11 în ISI Q1 6 în ISI Q2	Îndeplinit
A2.4.1.	Granturi / proiecte de cercetare câștigate prin competiție (Director / Responsabil partener)	1	1	Îndeplinit
A3.1.1	Număr de citări în cărți, reviste cotate ISI și volume ale unor manifestări științifice ISI (WOS) ¹⁰	10	42	Îndeplinit
	Factor de impact ISI cumulat pentru publicații ¹¹	4	54,45	Îndeplinit

Se vor trece pentru fiecare criteriu (din standardele impuse) toate lucrările, cu precizarea punctajului care revine candidatului pentru fiecare lucrare și a tuturor informațiilor privind lucrările: autorii, titlul lucrării, titlul revistei/cărții, anul, volumul, numărul, pagina la care începe articolul și pagina la care se termină articolul, nr. pagini carte, editura la care a fost publicată cartea, instituția care a acordat brevetul, ISSN/ISBN etc.

¹⁰ Lucrarea citată nu este obligatoriu să fie indexată WOS.

¹¹ Pentru brevete se consideră factorul de impact echivalent 0.5, pentru celelalte publicații conform notei de subsol 3

Abrevieri: BDI = bază de date internațională; ISI = baza de date internațională Institute for Scientific Information Web of Science; WOS = ISI Web of Science; OSIM = Oficiul de Stat pentru Invenții și Mărci; WIPO = World Intellectual Property Organization (Organizația Mondială a Proprietății Intelectuale); EPO = European Patent Office (Oficiul European de Patente); USPTO = United States Patent and Trademark Office (Oficiul de Brevete și Mărci a Statelor Unite ale Americii); JPO = Japan Patent Office (Oficiul de Brevete al Japoniei)

4. Adeverință eliberată de compartimentul de specialitate din UPG Ploiești care dovedește obținerea de către candidat a calificativului „foarte bine” în ultimii trei ani la UPG Ploiești, precum și faptul că acesta nu a fost sancționat disciplinar în ultimii 3 ani.

A se vedea adeverința anexată la dosarul de înscriere.

Data

16.12.2025

Candidat,

Șef lucr. dr. ing. Roșca Cosmina-Mihaela