

**Fisa de verificare a standardelor minimale necesare si obligatorii pentru conferirea titlurilor didactice din invatamantul superior si a gradelor profesionale de cercetare stabilite prin OM 6129 / 2016**

Candidat: **Szolga Lorant Andras**

Data: **25/7/2025**

Comisia: **Electronică, telecomunicații și nanotehnologie**

Punctaj total: **1778,124**

Postul vizat: **Profesor**

Scor=punctaj total/punctaj minim CNADCU: **2,092**

Nr.	Domeniul activitatilor			Subcategoriile	Indicatori (kpi)	Numar	Punctaj	FI	
0	1	2	3	4	5	6	7	8	
1	Activitatea didactica si profesionala (A1)	Carti de autor in edituri cu ISBN	Carti, monografii	A1.1.1.	internationale	50 (100)/nr. autori	0	0,00	
		Capitole de specialitate in edituri cu ISBN	Capitole			12.5 (25)/nr. autori	0	0,00	
		Carti de autor in edituri cu ISBN	Carti, monografii	A1.1.2.	nationale	50 /nr. autori	4	105,56	
		Capitole de specialitate in edituri cu ISBN	Capitole			12.5/nr. autori	0	0,00	
		Material didactic/lucrari didactice publicate in edituri cu ISBN	Manuale didactice	A1.2.1		40/nr. autori	2	26,67	
<b>Total punctaj (A1)</b>							<b>132,222</b>		
2	Activitatea de cercetare (A2)	Articole in reviste cotate ISI si lucrari in volumele unor manifestari stiintifice indexate ISI proceedings		A2.1		(25+30 * fact.imp) /nr. autori	45	963,23	72,836
		Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale recunoscute (BDI)		A2.2		20/nr. autori	29	297,33	
		Proprietate intelectuala, brevete de inventie, certificate ORDA		A2.3.1	Internationale	35/nr. autori	0	0,00	0
				A2.3.2	nationale	25/nr. autori	1	6,25	0,5
		Granturi/proiecte castigate prin competitie sau contracte cu agenti economici in valoare de minim 10000 USD	Director / responsabil	A2.4.1.1	Internationale	20*ani desf.	0	0,00	
				A2.4.1.2	nationale	10*ani desf.	2	35,00	
			Membru in echipa	A2.4.2.1	Internationale	4*ani desf.	0	0,00	
				A2.4.2.2	nationale	2*ani desf.	3	14,00	
<b>Total punctaj (A2)</b>							<b>1315,817</b>	<b>73,336</b>	
3	Recunoasterea si impactul activitatii (A3)	Citari in carti, reviste si volume ale unor manifestari stiintifice		A3.1.1	carti, ISI	8/nr. aut art. citat	97	259,644	
				A3.1.2	BDI	4/nr. aut art. citat	35	60,441	
		Membru in colectivele de redactie sau comitetele stiintifice ale revistelor indexate ISI, chair, co-chair sau membru in comitetele de organizare ale manifestarilor internationale indexate ISI	Punctaj unic pentru fiecare activitate	A3.2.		10	1	10	
		Membru in colectivele de redactie sau comitetele stiintifice ale revistelor indexate BDI, chair sau co-chair sau membru in comitetele de organizare ale manifestarilor stiintifice indexate BDI	Punctaj unic pentru fiecare activitate	A3.3		6	0	0	
		Premii in domeniu conferite de Academia Romana, ASTR, AOSR sau premii internationale de prestigiu		A3.4.		15	0	0	
<b>Total punctaj (A3)</b>							<b>330,085</b>		

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Conditii minimele (Ai)				
Nr.	Domeniu de activitate (A)	Necesar	Realizat	Indeplinit
A1	Activitatea didactica / profesionala (A1)	100	132,222	DA
A2	Activitatea de cercetare (A2)	600	1315,817	DA
A3	Recunoasterea impactului activitatii (A3)	150	330,085	DA
<b>Total (A)</b>		850	1778,124	DA

Conditii minimele obligatorii pe subcategorii		Necesar	Realizat	Indeplinit
A1.1.1.-A1.1.2	Carti de specialitate	1	4	DA
	Capitole in carti de specialitate	0	0	
A2.1.	Articole in reviste cotate si in volumele unor manifestari stiintifice indexate ISI proceedings	15	45	DA
	Articole in reviste cotate Q1 sau Q2 (fie la momentul publicarii fie la data inscrierii in concurs) Numai una dintre lucrari poate fi echivalata: 1 brevet de inventie / 1 articol in conf. internat. de top in domeniul de abilitare nivel $\geq 2$ / 3 articole de nivel 1 in clasificarea Julkaisu Publication)	3	16 1	DA
A2.4.1	Granturi/proiecte castigate prin competitie (Director/responsabil)	2	2	DA
A3.1.1	Numar de citari in carti, reviste cotate ISI si in volume ale unor manifestari stiintifice ISI (WOS)	25	97	DA
	Factor de impact ISI cumulata pentru publicatii (include si FI pentru brevete, FI = 0.5)	10	73,336	DA

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Activitatea didactica si profesionala (A1)								
A1.1.2. Carti, monografii - nationale						Nr. autori	Punctaj	Numar
						105,556	4	
Nr.	Autori	Titlu capitol / carte, ISBN	Editura	Anul				
1	Festila Lelia, Gordan Mihaela, Cirlugea Mihela , Oltean Gabriel., Hintea Sorin., Csipkes Gabor, Rus Cristian., Groza Robert, Szolga Lorant	"Circuite Analogice pentru Clasificatoare Masini cu Vectori Suport", ISBN 978-973-133-107-2	Casa Cartii de Stiinta Cluj-Napoca	2007	9	5,56		
2	Szolga Lorant Andras, Strugaru Alexandru	Emergency Siren Detection System for Hearing Impaired People, ISBN 978-606-062-305-2	Napoca Star	2021	2	25,00		
3	Szolga Lorant Andras, Chirila Cezar	Development of a Thermal Imaging Camera Using an Infrared Thermopile Array Sensor, ISBN 978-606-062-381-6	Napoca Star	2021	2	25,00		
4	Szolga Lorant Andras	Optoelectronics : basic optics, devices, and circuits, ISBN 978-606-062-462-2	Napoca Star	2022	1	50,00		

A1.2.1. Material didactic/lucrari didactice						Nr. autori	Punctaj	Numar
						26,667	2	
Nr.	Autori	Titlu capitol / carte, ISBN	Editura	Anul				
1	Lorant SZOLGA, Ramona Gălătuș, Emil Voiculescu	"Optoelectronică – Îndrumător de laborator", ISBN 978-973-662-858-0	U.T.Press Cluj-Napoca	2013	3	13,33		
2	Lorant SZOLGA, Ramona Gălătuș, Emil Voiculescu	"Optoelectronics - Laboratory Guide", ISBN 978-973-662-859-7	U.T.Press Cluj-Napoca	2013	3	13,33		

Ultimii 5 ani?	pentru DA selectati 1	Punctaj	Numar
	1	100,000	3
	0	0,00	
	1	25,00	
	1	25,00	
	1	50,00	

pentru DA selectati 1	Punctaj	Numar
1	0,000	0
0	0,00	
0	0,00	

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Activitatea de cercetare (A2)						Q1,Q2 daca este cazul	Echiv. pt. Q1,Q2; A2.1	Ultimii 5 ani?					
A2.1. Articole in reviste cotate ISI și in volumele unor manifestari indexate ISI Proceedings. FI ISI al revistei in anul publicarii sau la data depunerii dosarului. Conferinte ISI: FI=0.25. Conf. ISI de top: nivel ≥ 2 Julkaisu Publication: FI=0.75								Punctaj	Numar	FI	pentru DA	Punctaj	Numar
						963,234	45	72,84			815,071	34	64,97
Nr.	Autori	Titlu lucrare / revista (conferinta)	Factor impact	Nr. autori	Punctaj	16			selectati 1				
									Identificator	Link rapid verificare			
1	Festilă L., Szolga L.A., Cirlugea M., Fazakas A.	"An analog circuit for computing radial basis kernels", International Conference on Automation, Quality and Testing, Robotics (AQTR 2006), IEEE, 2006, Vol.1, pp. 275-279, DOI: 10.1109/AQTR.2006.254541 ISBN: 1-4244-0360-X WOS: 000241459500050	0,25	4	8,13				0	0,00		0,0	DOI: 10.1109/AQTR.2006.254541 ISBN: 1-4244-0360-X WOS: 000241459500050 <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000241459500050">https://www.webofscience.com/wos/woscc/full-record/WOS:000241459500050</a>
2	Cirlugea M., Szolga L., Festila L.	"ABM blocks for precise measurements in DC-DC converters", International Conference on Automation, Quality and Testing, Robotics (AQTR 2008), IEEE, 2008, Vol.1, pp. 137-141, DOI: 10.1109/AQTR.2008.4588722 ISBN: 978-1-4244-2576-1 WOS: 000259079700020	0,25	3	10,83				0	0,00		0,0	DOI: 10.1109/AQTR.2008.4588722 ISBN: 978-1-4244-2576-1 WOS: 000259079700020 <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000259079700020">https://www.webofscience.com/wos/woscc/full-record/WOS:000259079700020</a>
3	Festila L., Szolga L.A., Cirlugea M., Groza R.	"Analog multiplying/weighting VLSI cells for SVM classifiers", 12th International Conference on Knowledge-Based Intelligent Information and Engineering Systems (KES 2008), Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), Vol. 5179, 2008, pp. 360-367, <b>IF 0.302   Q4 (ultima indexare din 2005)</b> DOI: 10.1007/978-3-540-85567-5_45 ISBN: 978-3-540-85566-8 WOS: 000259398600045	0,302	4	8,52				0	0,00		0,0	DOI: 10.1007/978-3-540-85567-5_45 ISBN: 978-3-540-85566-8 WOS: 000259398600045 <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000259398600045">https://www.webofscience.com/wos/woscc/full-record/WOS:000259398600045</a>
4	Festila L., Cirlugea M., Szolga L., Groza R.	"Current-mode multiplier models based on FF-1 functions", 15th International Conference on Mixed Design of Integrated Circuits and Systems (MIXDES 2008), IEEE, 2008, pp. 401-406, ISBN: 978-83-922632-7-2 WOS: 000259117200069	0,25	4	8,13				0	0,00		0,0	ISBN: 978-83-922632-7-2 WOS: 000259117200069 <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000259117200069">https://www.webofscience.com/wos/woscc/full-record/WOS:000259117200069</a>
5	L. Festila, L. Szolga, S. Hintea, M. Cirlugea	"A Unitary View Toward Analog Weighting/Amplifying F-F-1 Cells", Elektronika ir Elektrotechnika, 2010, Issue 10, pp. 21-26, <b>IF 0.9   Q4 (la data depunerii dosarului)</b> ISSN: 1392-1215 WOS: 000285905600005	0,9	4	13,00				0	0,00		0,0	ISSN: 1392-1215 WOS: 000285905600005 <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000285905600005">https://www.webofscience.com/wos/woscc/full-record/WOS:000285905600005</a>
6	Festilă L., Szolga L.A., Cirlugea M., Hintea S.	"A Reconfigurable Voltage Reference without Resistors", Knowledge-Based and Intelligent Information and Engineering Systems, Springer, PT IV, Vol. 6279, 2010, pp. 613-622, <b>IF 0.302   Q4 (ultima indexare din 2005)</b> DOI: 10.1007/978-3-642-15384-6_65 ISBN: 978-3-642-15383-9 WOS: 000289445700065	0,302	4	8,52				0	0,00		0,0	DOI: 10.1007/978-3-642-15384-6_65 ISBN: 978-3-642-15383-9 WOS: 000289445700065 <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000289445700065">https://www.webofscience.com/wos/woscc/full-record/WOS:000289445700065</a>
7	Szolga L.A., Galatus R., Oltean G., Ivanciu L.	"Intrusion Detection System Based on Plastic Optical Fiber", 23rd International Symposium for Design and Technology in Electronic Packaging (SIITME 2017), IEEE, 2017, pp.403-408, DOI: 10.1109/SIITME.2017.8259935 ISBN: 978-1-5386-1626-0 WOS: 000428032300086	0,25	4	8,13				0	0,00		0,0	DOI: 10.1109/SIITME.2017.8259935 ISBN: 978-1-5386-1626-0 WOS: 000428032300086 <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000428032300086">https://www.webofscience.com/wos/woscc/full-record/WOS:000428032300086</a>

8	Szolga, L., Galatus R., Oltean G.	"Fluorescent optical fiber sensor for arcing and flame monitoring in electrical distribution boards" International Instrumentation and Measurement Technology Conference: Discovering New Horizons in Instrumentation and Measurement (I2MTC 2018), IEEE, 2018, pp. 794-798, DOI: 10.1109/I2MTC.2018.8409836 ISBN: 978-1-5386-2222-3 WOS: 000876374900134	0,25	3	10,83
9	Szolga, LA; Sofian, R	"Humidity Sensing System Using Plastic Optical Fiber", 25th International Symposium for Design and Technology in Electronic Packaging (SIITME 2019), IEEE, 2019, pp. 172-182, DOI: 10.1109/SIITME47687.2019.8990859 ISBN: 978-1-7281-3330-0 WOS: 000564733700036	0,25	2	16,25
10	Chirila, C; Szolga, LA	"Development of a Thermal Camera Using a Low Noise High Speed Far Infrared Camera", 25th International Symposium for Design and Technology in Electronic Packaging (SIITME 2019), IEEE, 2019, pp. 183-193, DOI: 10.1109/SIITME47687.2019.8990841 ISBN: 978-1-7281-3330-0 WOS: 000564733700037	0,25	2	16,25
11	Diac, AP; Szolga, L; Cabanetos, C; Bogdan, A; Terec, A; Grosu, I; Roncali, J	"C-60-small arylamine push-pull dyads for single-material organic solar cells", Dyes and Pigments, 2019, Vol.171, AN 107748, <b>IF 4.613   Q1 (la data publicarii articolului in Dec. 2019)</b> DOI: 10.1016/j.dyepig.2019.107748 ISSN: 0143-7208 WOS: 000484870700074	4,613	7	23,34
12	Szolga, L.A., Bondric, A.	"Smart System for Incubating Eggs", 26th International Symposium for Design and Technology in Electronic Packaging (SIITME 2020), IEEE, 2020, pp. 260-264, DOI: 10.1109/SIITME50350.2020.9292305, ISBN: 978-1-7281-7506-5 WOS: 000651085100053	0,25	2	16,25
13	Szolga, L.A., Groza, R.G.	"Phosphor Based White LED Driver by Taking Advantage on the Remanence Effect", 26th International Symposium for Design and Technology in Electronic Packaging (SIITME 2020), IEEE, 2020, pp. 265-269, DOI: 10.1109/SIITME50350.2020.9292284, ISBN: 978-1-7281-7506-5 WOS: 000651085100054	0,25	2	16,25
14	Szolga, L.A., Cilean, T.R.	"Nitrates and nitrites detection system in the drinking water using UV absorption", 8th E-Health and Bioengineering Conference (EHB 2020), IEEE, 2020, DOI: 10.1109/EHB50910.2020.09280233 ISBN: 978-1-7281-8803-4 WOS: 000646194100105	0,25	2	16,25
15	Szolga, L.A., Mudure, F.	"Blood (rBC/HGB) analysis using colorimetry", 8th E-Health and Bioengineering Conference (EHB 2020), IEEE, 2020, DOI: 10.1109/EHB50910.2020.9280195 ISBN: 978-1-7281-8803-4 WOS: 000646194100069	0,25	2	16,25
16	Szolga, L.A., Pavelea, I.	"Security System with High Autonomy of Operation", International Symposium on Electronics and Telecommunications (ISETC 2020), IEEE, 2020, pp. 95-98, DOI: 10.1109/ISETC50328.2020.9301044 ISBN: 978-1-7281-8921-5 WOS: 000612681000025	0,25	2	16,25

						0	0,00		0,0	DOI: 10.1109/I2MTC.2018.8409836 ISBN: 978-1-5386-2222-3 WOS: 000876374900134	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000876374900134">https://www.webofscience.com/wos/woscc/full-record/WOS:000876374900134</a>
						0	0,00		0,0	DOI: 10.1109/SIITME47687.2019.8990859 ISBN: 978-1-7281-3330-0 WOS: 000564733700036	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000564733700036">https://www.webofscience.com/wos/woscc/full-record/WOS:000564733700036</a>
						0	0,00		0,0	DOI: 10.1109/SIITME47687.2019.8990841 ISBN: 978-1-7281-3330-0 WOS: 000564733700037	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000564733700037">https://www.webofscience.com/wos/woscc/full-record/WOS:000564733700037</a>
					Q1	0	0,00		0,0	DOI: 10.1016/j.dyepig.2019.107748 ISSN: 0143-7208 WOS: 000484870700074	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000484870700074">https://www.webofscience.com/wos/woscc/full-record/WOS:000484870700074</a>
						1	16,25		0,3	DOI: 10.1109/SIITME50350.2020.9292305, ISBN: 978-1-7281-7506-5 WOS: 000651085100053	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000651085100053">https://www.webofscience.com/wos/woscc/full-record/WOS:000651085100053</a>
						1	16,25		0,3	DOI: 10.1109/SIITME50350.2020.9292284, ISBN: 978-1-7281-7506-5 WOS: 000651085100054	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000651085100054">https://www.webofscience.com/wos/woscc/full-record/WOS:000651085100054</a>
						1	16,25		0,3	DOI: 10.1109/EHB50910.2020.09280233 ISBN: 978-1-7281-8803-4 WOS: 000646194100105	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000646194100105">https://www.webofscience.com/wos/woscc/full-record/WOS:000646194100105</a>
						1	16,25		0,3	DOI: 10.1109/EHB50910.2020.9280195 ISBN: 978-1-7281-8803-4 WOS: 000646194100069	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000646194100069">https://www.webofscience.com/wos/woscc/full-record/WOS:000646194100069</a>
						1	16,25		0,3	DOI: 10.1109/ISETC50328.2020.9301044 ISBN: 978-1-7281-8921-5 WOS: 000612681000025	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000612681000025">https://www.webofscience.com/wos/woscc/full-record/WOS:000612681000025</a>



26	Szolga, LA; Cilean, TR	"Water Sterilization Using Power UV LEDs", International Conference on Electrical and Electronics Engineering (ICEEE), IEEE, 2021, pp. 49-53, DOI: 10.1109/ICEES2452.2021.9415965 ISBN: 978-1-6654-4071-4 WOS: 000719372400011	0,25	2	16,25
27	Giurgi, GI; Szolga, L; Crisan, A; Grosu, I; Roncali, J	"Photovoltaic performances of two triarylamine-based donors in various inverted cell configurations" Studia Universitatis Babeş-Bolyai Chemia, Vol.6, No.3, 2021, pp. 97-105, <b>IF 0.558   Q4 (la data publicarii articolului in 2021)</b> DOI: 10.24193/SUBBCHEM.2021.3.05 ISSN: 1224-7154 WOS: 000705616200011	0,558	5	8,35
28	Bogdan, A; Szolga, L; Giurgi, GI; Crisan, AP; Bogdan, D; Hadsadee, S; Jungsuttiwong, S; Po, R; Grosu, I; Roncali, J	"Structure-properties relationships in triarylamine-based push-pull systems-C60 dyads as active material for single-material organic solar cells", Dyes and Pigments, 2021, Vol.184, AN 108845, <b>IF 5.122   Q1 (la data publicarii articolului in Ian. 2021)</b> DOI: 10.1016/j.dyepig.2020.108845 ISSN: 0143-7208 WOS: 000580897700089	5,122	10	17,87
29	Szolga, LA	"Detection of Mineral (Ca/Fe) Concentration in Blood Using the Complex Bioimpedance", 14th Biomedical Engineering International Conference (BMEICON 2022), IEEE, 2022 DOI: 10.1109/BMEICON56653.2022.10012090 ISBN: 978-1-6654-8903-4 WOS: 000932873200031	0,25	1	32,50
30	Szolga, LA	"Ultrasonic Scanning System for Cartography Applications", 9th International Conference on Electrical and Electronics Engineering (ICEEE), IEEE, 2022, pp. 417-422 DOI: 10.1109/ICEES5327.2022.9772534 ISBN: 978-1-6654-6754-4 WOS: 000852441800081	0,25	1	32,50
31	Terenti, N; Giurgi, GI; Szolga, L; Stroia, I; Terec, A; Grosu, I; Crisan, AP	"Effect of the Terminal Acceptor Unit on the Performance of Non-Fullerene Indacenodithiophene Acceptors in Organic Solar Cells", Molecules, 2022, Vol.27(4), AN 1229 <b>IF 4.6   Q2 (la data publicarii articolului in Feb. 2022)</b> DOI: 10.3390/MOLECULES27041229 eISSN: 1420-3049 WOS: 000762478700001	4,6	7	23,29
32	Szolga, LA; Bozga, DA; Florea, C	"End-User Skin Analysis (Moles) through Image Acquisition and Processing System", Sensors, 2022, Vol.22(3), AN 1123 <b>IF 3.9   Q2 (la data publicarii articolului Feb. 2022)</b> DOI: 10.3390/S22031123 eISSN: 1424-8220 WOS: 000758936300001	3,9	3	47,33
33	Giurgi, GI; Szolga, LA; Giurgi, DV	"Benefits of Fuzzy Logic on MPPT and PI Controllers in the Chain of Photovoltaic Control Systems", Appl. Sci., 2022, Vol.12(5), AN 2318, <b>IF 2.7   Q2 (la data publicarii articolului Mar. 2022)</b> DOI: 10.3390/app12052318 eISSN: 2076-3417 WOS: 000768861200001	2,7	3	35,33
34	Covaci, MA; Szolga, LA	"Low-Voltage Plasma Generator Based on Standing Wave Voltage Magnification", Sustainability, 2022, Vol.14(5), AN 2890, <b>IF 3.9   Q2 (la data publicarii articolului in Mar. 2022)</b> DOI: 10.3390/SU14052890 eISSN: 2071-1050 WOS: 000767839700001	3,9	2	71,00

						1	16,25			0,3	DOI: 10.1109/ICEES2452.2021.9415965 ISBN: 978-1-6654-4071-4 WOS: 000719372400011	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000719372400011">https://www.webofscience.com/wos/woscc/full-record/WOS:000719372400011</a>
						1	8,35			0,6	DOI: 10.24193/SUBBCHEM.2021.3.05 ISSN: 1224-7154 WOS: 000705616200011	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000705616200011">https://www.webofscience.com/wos/woscc/full-record/WOS:000705616200011</a>
						1	17,87			5,1	DOI: 10.1016/j.dyepig.2020.108845 ISSN: 0143-7208 WOS: 000580897700089	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000580897700089">https://www.webofscience.com/wos/woscc/full-record/WOS:000580897700089</a>
						1	32,50			0,3	DOI: 10.1109/BMEICON56653.2022.10012090 ISBN: 978-1-6654-8903-4 WOS: 000932873200031	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000932873200031">https://www.webofscience.com/wos/woscc/full-record/WOS:000932873200031</a>
						1	32,50			0,3	DOI: 10.1109/ICEES5327.2022.9772534 ISBN: 978-1-6654-6754-4 WOS: 000852441800081	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000852441800081">https://www.webofscience.com/wos/woscc/full-record/WOS:000852441800081</a>
						1	23,29			4,6	DOI: 10.3390/MOLECULES27041229 eISSN: 1420-3049 WOS: 000762478700001	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000762478700001">https://www.webofscience.com/wos/woscc/full-record/WOS:000762478700001</a>
						1	47,33			3,9	DOI: 10.3390/S22031123 eISSN: 1424-8220 WOS: 000758936300001	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000758936300001">https://www.webofscience.com/wos/woscc/full-record/WOS:000758936300001</a>
						1	35,33			2,7	DOI: 10.3390/app12052318 eISSN: 2076-3417 WOS: 000768861200001	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000768861200001">https://www.webofscience.com/wos/woscc/full-record/WOS:000768861200001</a>
						1	71,00			3,9	DOI: 10.3390/SU14052890 eISSN: 2071-1050 WOS: 000767839700001	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000767839700001">https://www.webofscience.com/wos/woscc/full-record/WOS:000767839700001</a>

35	Terenti, N; Giurgi, Gi; Crisan, AP; Anghel, C; Bogdan, A; Pop, A; Stroia, I; Terec, A; Szolga, L; Grosu, I; Roncali, J	"Structure-properties of small donor-acceptor molecules for homojunction single-material organic solar cells", Journal of Materials Chemistry C, 2022, Vol.10(14), pp. 5716-5726, <b>IF 6.4   Q1 (la data publicarii articolului in Apr. 2022)</b> DOI: 10.1039/d2tc00430e ISSN: 2050-7526 WOS: 000770083300001	6,4	11	19,73
36	Covaci, MA; Szolga, LA	"Black-Box Mathematical Modeling and Heuristic Optimizing of Hampson-Linde Cycle Based on Joule-Thomson Effect and Ohm's Law for Thermal Circuits" Appl. Sci., 2022, Vol.12(12), AN 6047 <b>IF 2.7   Q2 (la data publicarii articolului Jun 2022)</b> DOI: 10.3390/app12126047 eISSN: 2076-3417 WOS: 000818318900001	2,7	2	53,00
37	R. Kovacs, J. Kovacs, L. Szolga,	"Device for Identifying the UV Emission Spectrum" Sensors, Vol.22(13), 2022, AN 4852 <b>IF 3.9   Q2 (la data publicarii articolului Iul. 2022)</b> DOI: 10.3390/s22134852 eISSN: 1424-8220 WOS: 000824560800001	3,9	3	47,33
38	Pausescu, I; Todea, A; Dreava, DM; Boboescu, T; Patcan, B; Patcan, L; Albuiescu, D; Badea, V; Peter, F; Totos, R; Ursu, D; Szolga, L; Medeleanu, M	"Experimental and Computational Studies on Bio-Inspired Flavylum Salts as Sensitizers for Dye-Sensitized Solar Cells" Materials, 2022, Vol.15(19), AN 6985 <b>IF 3.4   Q2 (la momentul publicarii articolului in Oct. 2022)</b> DOI: 10.3390/ma15196985 eISSN: 1996-1944 WOS: 000867003800001	3,4	13	9,77
39	Ibraim, EY; Szolga, LA	"Vehicle Monitoring System using SIM7600CE-T controlled over Arduino platform", Long Island Systems, Applications and Technology Conference (LISAT 2023), IEEE, 2023, DOI: 10.1109/LISAT58403.2023.10179505 ISBN: 979-8-3503-1116-7 WOS: 001042445800002	0,25	2	16,25
40	Gabrian, L; Giurgi, Gi; Szolga, L; Crisan, AP; Bogdan, E; Galatus, R; Terec, A; Grosu, I	"Bulk and Bilayer Inverted Organic Solar Cells (OSCs) Exhibiting D-A nad A-D-A Donors with 2,2'-bi[3,2-b]Thienothiophene Units and PC61BM or C70 Acceptors", Studia Universitatis Babeş-Bolyai Chemia, 2023, Vol.68(1), pp. 275-283 <b>IF 0.5   Q4 (la data depunerii dosarului)</b> DOI: 10.24193/subchem.2023.1.20 ISSN: 1224-7154 WOS: 000973917200018	0,5	8	5,00
41	Băti, G; Csókás, D; Giurgi, Gi; Zhou, JS; Szolga, LA; Webster, RD; Stuparu, MC	"Non-Fullerene Electron Acceptors Based on Hybridisation of Corannulene and Thiophene-S,S-Dioxide Motifs", Chemistry A-European Journal, 2023, Vol.29(18) <b>IF 3.9   Q2 (la data publicarii articolului in Mar. 2023)</b> DOI: 10.1002/chem.202203856 ISSN: 0947-6539 WOS: 000937897200001	3,9	6	23,67
42	Potarniche, IA; Sarosi, C; Terebes, RM; Szolga, L; Galatus, R	"Classification of Food Additives Using UV Spectroscopy and One-Dimensional Convolutional Neural Network" Sensors, 2023, Vol.23(17), AN 7517 <b>IF 3.5   Q2 (la data depunerii dosarului)</b> DOI: 10.3390/s23177517 eISSN: 1424-8220 WOS: 001060622600001	3,5	5	26,00

Q1	1	19,73	6,4	DOI: 10.1039/d2tc00430e ISSN: 2050-7526 WOS: 000770083300001	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000770083300001">https://www.webofscience.com/wos/woscc/full-record/WOS:000770083300001</a>
Q2	1	53,00	2,7	DOI: 10.3390/app12126047 eISSN: 2076-3417 WOS: 000818318900001	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000818318900001">https://www.webofscience.com/wos/woscc/full-record/WOS:000818318900001</a>
Q2	1	47,33	3,9	DOI: 10.3390/s22134852 eISSN: 1424-8220 WOS: 000824560800001	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000824560800001">https://www.webofscience.com/wos/woscc/full-record/WOS:000824560800001</a>
Q2	1	9,77	3,4	DOI: 10.3390/ma15196985 eISSN: 1996-1944 WOS: 000867003800001	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000867003800001">https://www.webofscience.com/wos/woscc/full-record/WOS:000867003800001</a>
	1		0,3	DOI: 10.1109/LISAT58403.2023.10179505 ISBN: 979-8-3503-1116-7 WOS: 001042445800002	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:001042445800002">https://www.webofscience.com/wos/woscc/full-record/WOS:001042445800002</a>
	1	5,00	0,5	DOI: 10.24193/subchem.2023.1.20 ISSN: 1224-7154 WOS: 000973917200018	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000973917200018">https://www.webofscience.com/wos/woscc/full-record/WOS:000973917200018</a>
Q2	1	23,67	3,9	DOI: 10.1002/chem.202203856 ISSN: 0947-6539 WOS: 000937897200001	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000937897200001">https://www.webofscience.com/wos/woscc/full-record/WOS:000937897200001</a>
Q2	1	26,00	3,5	DOI: 10.3390/s23177517 eISSN: 1424-8220 WOS: 001060622600001	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:001060622600001">https://www.webofscience.com/wos/woscc/full-record/WOS:001060622600001</a>

43	Covaci, MA; Galatus, RV; Petreus, DM; Szolga, LA	"Renewability and Robustness Analysis and Review for Sustainable-Technology Propulsion Systems in Modern Transportation Infrastructure Administration" Appl. Sci., 2023, 13(24), AN 13026 <b>IF 2.5   Q1 (la momentul publicarii articolului in Dec. 2023)</b> DOI: 10.3390/app132413026 eISSN: 2076-3417 WOS: 001130929000001	2,5	4	25,00
44	Covaci, MA; Galatus, RV; Szolga, LA	"Stability improvement of high-power semiconductor laser diode regulators used in infrared solid-state laser applications" Optical and Quantum Electronics, Springer, 2024, Vol.56(5), AN 776 <b>IF 4   Q1 (la momentul publicarii articolului in Mar. 2024)</b> DOI: 10.1007/s11082-024-06457-w ISSN: 0306-8919 WOS: 001191082600012	4	3	48,33
45	T. Iliev, L. A. Szolga, G. Sergazin	Editorial for the Special Issue on "Application of Artificial Intelligence in the New Era of Communication Networks" Electronics, Vol.14(7), AN 1315, 2025 <b>IF 2.6   Q2 (la momentul publicarii articolului in Mar. 2025)</b> DOI: 10.3390/electronics14071315 ISSN: 2079-9292 WOS: 001467896100001	4	3	48,33

Q1	1	25,00	2,5	DOI: 10.3390/app132413026 eISSN: 2076-3417 WOS: 001130929000001	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:001130929000001">https://www.webofscience.com/wos/woscc/full-record/WOS:001130929000001</a>
Q1	1	48,33	4,0	DOI: 10.1007/s11082-024-06457-w ISSN: 0306-8919 WOS: 001191082600012	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:001191082600012">https://www.webofscience.com/wos/woscc/full-record/WOS:001191082600012</a>
Q2	1	48,33	4,0	DOI: 10.3390/electronics14071315 ISSN: 2079-9292 WOS: 001467896100001	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:001467896100001">https://www.webofscience.com/wos/woscc/full-record/WOS:001467896100001</a>

**A2.2. Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale (BDI):**

Scopus, IEEE, Science Direct, Elsevier, Springerlink, ACM, DBLP, EURASIP					Punctaj	Numar
					297,333	29
Nr.	Autori	Titlu lucrare / revista (conferinta)	Baza de date	Nr. autori	Punctaj	
1	Szolga L.A.; Farnas Z.	"Solar Panel Tracking System Using Optical Fiber", 3rd International Conference on Renewable Energy and Environment Engineering (REEE 2020), E3S Web of Conferences, 2020, Vol.191, AN 01003, DOI: 10.1051/e3sconf/202019101003 ISSN: 25550403 EID: 2-s2.0-85094860535	SCOPUS	2	10,00	
2	Covaci M.-A.; Szolga L.A.	"High Power Laser Tracking and Targeting System", 3rd International Conference and Workshop in Obuda on Electrical and Power Engineering (CANDO-EPE 2020), IEEE, 2020, AN 9337755, pp. 197-202. DOI: 10.1109/CANDO-EPE51100.2020.9337755 ISBN 978-172818490-6 EID: 2-s2.0-85101164073	IEEE SCOPUS	2	10,00	
3	Covaci M.-A.; Szolga L.A.	"Implementation of Parallel PSO for Synchronous Constant Current Converter", 3rd International Conference and Workshop in Obuda on Electrical and Power Engineering (CANDO-EPE 2020), IEEE, 2020, AN 9337755, pp. 203-208. DOI: 10.1109/CANDO-EPE51100.2020.9337798 ISBN 978-172818490-6 EID: 2-s2.0-85101076542	IEEE SCOPUS	2	10,00	
4	Szolga L.A.; Stan C.A.	"Plexiglass glove box for organic solar cells", International Scientific Conference of Communications, Information, Electronic and Energy Systems (CIEES 2020), IOP Conference Series: Materials Science and Engineering, 2021, Vol.1032(1), AN 012048, . DOI: 10.1088/1757-899X/1032/1/012048 ISSN: 17578981 EID: 2-s2.0-85101632956	SCOPUS	2	10,00	
5	Szolga L.A.; Flueraș G.	"Robotic arm controlled by Android app through Bluetooth connection for organic solar cell manipulation", International Scientific Conference of Communications, Information, Electronic and Energy Systems (CIEES 2020), IOP Conference Series: Materials Science and Engineering, 2021, Vol.1032(1), AN 012049, . DOI: 10.1088/1757-899X/1032/1/012049 ISSN: 17578981 EID: 2-s2.0-85101616454	SCOPUS	2	10,00	

Echiv. pt. Q1,Q2; A2.1	Ultimii 5 ani?		
	pentru DA	Punctaj	Numar
	selectati 1	297,333	29
	1	10,00	
	1	10,00	
	1	10,00	
	1	10,00	
	1	10,00	

Identificator	Link rapid verificare
DOI: 10.1051/e3sconf/202019101003 ISSN: 25550403 EID: 2-s2.0-85094860535	<a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-85094860535">https://www.scopus.com/record/display.uri?eid=2-s2.0-85094860535</a>
DOI: 10.1109/CANDO-EPE51100.2020.9337755 ISBN 978-172818490-6 EID: 2-s2.0-85101164073	<a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-85101164073">https://www.scopus.com/record/display.uri?eid=2-s2.0-85101164073</a>
DOI: 10.1109/CANDO-EPE51100.2020.9337798 ISBN 978-172818490-6 EID: 2-s2.0-85101076542	<a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-85101076542">https://www.scopus.com/record/display.uri?eid=2-s2.0-85101076542</a>
DOI: 10.1088/1757-899X/1032/1/012048 ISSN: 17578981 EID: 2-s2.0-85101632956	<a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-85101632956">https://www.scopus.com/record/display.uri?eid=2-s2.0-85101632956</a>
DOI: 10.1088/1757-899X/1032/1/012049 ISSN: 17578981 EID: 2-s2.0-85101616454	<a href="https://www.scopus.com/record/display.uri?eid=2-s2.0-85101616454">https://www.scopus.com/record/display.uri?eid=2-s2.0-85101616454</a>





26	M. -A. Covaci, R. V. Gălătuș and L. A. Szolga	"Variable-Length Infrared Laser Cavity for Alternative Energetic Infrastructures", Advanced Topics on Measurement and Simulation (ATOMS 2024), IEEE, 2024, DOI: 10.1109/ATOMS60779.2024.10921555 ISBN: 979-8-3503-5838-4 EID: 2-s2.0-105001922829	IEEE SCOPUS	3	6,67
27	Majumdar, S., Awasthi, A., Kirkley, S.E., Szolga, L., Srivastava, M.,	"Smart IoT-Enabled Autonomous Vehicles for Next-Generation Public Safety", In: Barolli, L. (eds) Advanced Information Networking and Applications (AINA 2025), Lecture Notes on Data Engineering and Communications Technologies, vol 252. Springer, Cham., DOI: 10.1007/978-3-031-87784-1_4 ISBN: 978-3-031-87784-1, EID: 2-s2.0-105003859212	Springerlink SCOPUS	5	4,00
28	S. Majumdar, L. A. Szolga and S. Kirkley,	"IoT-Enabled Autonomous Vehicles for Wildfire Relief: A System of Systems Approach" 13th International Electrical Engineering Congress (IEECON 2025), DOI: 10.1109/IEECON64081.2025.10987618 ISBN: 979-8-3315-4395-2 EID: 2-s2.0-105007158011	IEEE SCOPUS	3	6,67
29	L. A. Szolga	"Solar Panel Powered Coin-Cell Supercapacitor for Temperature Body Sensors" 13th International Electrical Engineering Congress (IEECON 2025), DOI: 10.1109/IEECON64081.2025.10987815 ISBN: 979-8-3315-4395-2 EID: 2-s2.0-105007155637	IEEE SCOPUS	1	20,00

1	6,67		
1	4,00		
1	6,67		
1	20,00		

DOI: 10.1109/ATOMS60779.2024.10921555 ISBN: 979-8-3503-5838-4 EID: 2-s2.0-105001922829	<a href="https://www.scopus.com/pages/publications/105001922829">https://www.scopus.com/pages/publications/105001922829</a>
DOI: 10.1007/978-3-031-87784-1_4 ISBN: 978-3-031-87784-1, EID: 2-s2.0-105003859212	<a href="https://www.scopus.com/pages/publications/105003859212">https://www.scopus.com/pages/publications/105003859212</a>
DOI: 10.1109/IEECON64081.2025.10987618 ISBN: 979-8-3315-4395-2 EID: 2-s2.0-105007158011	<a href="https://www.scopus.com/pages/publications/105007158011">https://www.scopus.com/pages/publications/105007158011</a>
DOI: 10.1109/IEECON64081.2025.10987815 ISBN: 979-8-3315-4395-2 EID: 2-s2.0-105007155637	<a href="https://www.scopus.com/pages/publications/105007155637">https://www.scopus.com/pages/publications/105007155637</a>

A2.3.2. Proprietate intelectuală, brevete de invenție, certificate ORDA - <b>nationale</b>					Punctaj	Numar	FI
					6,250	1	0,5
Nr.	Autori	Denumire brevet /Organism	Anul	Nr.autori	Punctaj		
1	Terenti N; Giurgi G; Szolga LA; Grosu I	"Production of stable reverse organic solar cell involves depositing zinc oxide layer and donor and acceptor mixture layer on indium tin oxide layer of support, and advanced-vacuum depositing manganese trioxide layer and aluminum electrode" Patent No. RO134664(A0); RO134664(B1) / O.S.I.M. <a href="https://osim.ro/images/Publicatii/Inventii/2023/inv_03_2023.pdf">https://osim.ro/images/Publicatii/Inventii/2023/inv_03_2023.pdf</a> <a href="https://ro.espacenet.com/publicationDetails/originalDocument?FT=D&amp;date=20230330">https://ro.espacenet.com/publicationDetails/originalDocument?FT=D&amp;date=20230330</a>	2023	4	6,25	0,5	

Echiv. pt. Q1,Q2; A2.1	Ultimii 5 ani?				Identificator	Link rapid verificare
	pentru DA selectati 1	Punctaj 6,250	Numar 1	FI 0,5		
WOS	1	6,25		0,5	RO134664 (B1)	<a href="https://www.webofscience.com/wos/diidw/full-record/DIIDW:202102305U">https://www.webofscience.com/wos/diidw/full-record/DIIDW:202102305U</a>

A2.4.1.2. Granturi/proiecte castigate prin competitie sau Contracte cu agenti economici in valoare de minim 10 000 dolari SUA - <b>director/responsabil de proiect nationale; Nu se considera proiecte/granturi care nu prezinta caracter predominant de cercetare. Trebuie sa fie relevante pentru postul de concurs/domeniul de abilitare. Documente care demonstreaza caracterul de cercetare</b>					Punctaj	Numar
					35,000	2
Nr.	Denumire proiect	Perioada	Nr. ani	Punctaj		
1	"Alimentatoare inteligente bazate pe utilizarea de surse de energie verde si regenerabila pentru "on-body" senzori si dispozitive portabile",	01.11.2020-31.10.2022	2	20,00		
2	"Dezvoltare si realizare prototip de Waveslector/Spectrometru Optic integrabil in retele optice reconfigurabile, cu elementul grating (Conventional & PMP/PZL) operabil pentru masurari spectrale Vis (400-700nm), rezoluție spectrala 10nm" Contract de cercetare-dezvoltare-inovare avand ca executant UTCN si beneficiar S.C. SITEX 45 SRL UTCN Nr. 10755/12.04.2022 DMCDI Nr. TN 81/12.04.2022	12.04.2022-15.10.2023	1,5	15,00		

Ultimii 5 ani?		
pentru DA selectati 1	Punctaj 35,000	Numar 2
1	20,00	
1	15,00	

A2.4.2.2. Granturi/proiecte castigate prin competitie sau Contracte cu agenti economici in valoare de minim 10 000 dolari SUA: <b>membru in echipa - nationale; Nu se considera proiecte/granturi care nu prezinta caracter predominant de cercetare. Trebuie sa fie relevante pentru postul de concurs/domeniul de abilitare. Documente care demonstreaza caracterul de cercetare</b>					Punctaj	Numar
					14,000	3,00
Nr.	Denumire proiect	Perioada	Nr. ani	Punctaj		

Ultimii 5 ani?		
pentru DA selectati 1	Punctaj 4,000	Numar 1,00

1	"Sistem inteligent de urmărirea a comportării barajelor prin fuziunea informațiilor (DAMFU)" PN-III-P2-2.1-PTE-2016-0134 45PTE/2016	2016-2018	2	4,00
2	"Materiale active unicomponente pentru celule solare organice bazate pe compuso pi-conjugati autoasamblati (SMOSCs)", Proiect finanțat prin Programul Operațional Competitivitate (POC) 2014-2020, ID proiect: P_37_220 Număr contract de finanțare: 21/1.09.2016 <a href="http://orglight.granturi.ubbcluj.ro/echipa-de-implementare/">http://orglight.granturi.ubbcluj.ro/echipa-de-implementare/</a>	2017-2020	3	6,00
3	"Innovative COFs and hybrid metal@COF materials for smart applications: heterogeneous catalysis and Single Material Organic Solar Cells (SMOSCs)", Acronim: ICOFCOSC Proiect PN-III-P4-PCE-2021-1812 Număr contract de finanțare: 111 / 09.06.2022 <a href="https://www.chem.ubbcluj.ro/~ccsoom/organic/pce1812.html">https://www.chem.ubbcluj.ro/~ccsoom/organic/pce1812.html</a>	2023-2024	2	4,00

0	0,00	
0	0,00	
1	4,00	

Candidat: Szolga Lorant Andras

Data: 25/7/2025

Comisia: Electronică, telecomunicații și nanotehnologie

Recunoasterea si impactul activitatii (A3)					Q1/Q2 daca e cazul	Ultimii 5 ani?			
A3.1.1. Citari in carti, reviste si volume ale unor manifestari stiintifice (carti, ISI); se exclude autocitările				Punctaj 259,644		Numar 97	pentru DA selectati 1	Punctaj 242,311	Numar 89
Nr.	Articol citat	Articol care citeaza	Num aut. art. citat	Punctaj					Link lucrare care citeaza
1	L. Festila, R. Groza, L.A. Szolga, S. Hintea "Log-Domain Multipliers for VLSI architectures", Scientific Bulletin of the "Politehnica" University of Timisoara, 2006, pg. 121-125 ISSN 1583-3380	Mircea Gh. Negoita , Sorin Hintea "Bio-Inspired Technologies for the Hardware of Adaptive Systems" Springer Berlin, Heidelberg, 2009, Book, DOI: 10.1007/978-3-540-76995-8 ISBN: 978-3-540-76994-1	4	2,00		0	0,00		<a href="https://link.springer.com/book/10.1007/978-3-540-76995-8">https://link.springer.com/book/10.1007/978-3-540-76995-8</a>
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	0	0,00		<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000346131600026">https://www.webofscience.com/wos/woscc/full-record/WOS:000346131600026</a>
	0	0,00		<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000399872100043">https://www.webofscience.com/wos/woscc/full-record/WOS:000399872100043</a>
Q2	1	4,00		<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000522448600042">https://www.webofscience.com/wos/woscc/full-record/WOS:000522448600042</a>
Q2	1	4,00		<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000881605200001">https://www.webofscience.com/wos/woscc/full-record/WOS:000881605200001</a>
Q1	1	5,33		<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000638432800043">https://www.webofscience.com/wos/woscc/full-record/WOS:000638432800043</a>
Q1	1	5,33		<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000651145400001">https://www.webofscience.com/wos/woscc/full-record/WOS:000651145400001</a>

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Q2	1	5,33		<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:001220281100001">https://www.webofscience.com/wos/woscc/full-record/WOS:001220281100001</a>
Q1	1	8,00		<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000670108200007">https://www.webofscience.com/wos/woscc/full-record/WOS:000670108200007</a>
	1	4,00		<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000674079000005">https://www.webofscience.com/wos/woscc/full-record/WOS:000674079000005</a>
Q1	1	2,29		<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000518640600017">https://www.webofscience.com/wos/woscc/full-record/WOS:000518640600017</a>
Q1	1	2,29		<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000571861800001">https://www.webofscience.com/wos/woscc/full-record/WOS:000571861800001</a>
Q1	1	2,29		<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000597256600070">https://www.webofscience.com/wos/woscc/full-record/WOS:000597256600070</a>
Q1	1	2,29		<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000618562400006">https://www.webofscience.com/wos/woscc/full-record/WOS:000618562400006</a>

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Q1	1	2,29		<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000779186400001">https://www.webofscience.com/wos/woscc/full-record/WOS:000779186400001</a>
	1	1,14		<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:001139653700001">https://www.webofscience.com/wos/woscc/full-record/WOS:001139653700001</a>
	1	4,00		<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000755468300093">https://www.webofscience.com/wos/woscc/full-record/WOS:000755468300093</a>
Q1	1	8,00		<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000898096200003">https://www.webofscience.com/wos/woscc/full-record/WOS:000898096200003</a>
Q2	1	5,33		<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:001084264400001">https://www.webofscience.com/wos/woscc/full-record/WOS:001084264400001</a>
Q1	1	1,78		<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000589067200045">https://www.webofscience.com/wos/woscc/full-record/WOS:000589067200045</a>
Q1	1	1,78		<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000609077900003">https://www.webofscience.com/wos/woscc/full-record/WOS:000609077900003</a>

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	1	0,89	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000632623400004">https://www.webofscience.com/wos/woscc/full-record/WOS:000632623400004</a>
Q2	1	1,78	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000641127700063">https://www.webofscience.com/wos/woscc/full-record/WOS:000641127700063</a>
Q2	1	1,78	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000664758200001">https://www.webofscience.com/wos/woscc/full-record/WOS:000664758200001</a>
Q2	1	1,78	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000684252900001">https://www.webofscience.com/wos/woscc/full-record/WOS:000684252900001</a>
Q1	1	1,78	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000693093400012">https://www.webofscience.com/wos/woscc/full-record/WOS:000693093400012</a>
Q2	1	1,78	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000749682200001">https://www.webofscience.com/wos/woscc/full-record/WOS:000749682200001</a>
Q2	1	1,78	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000745070300016">https://www.webofscience.com/wos/woscc/full-record/WOS:000745070300016</a>

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36	<p>Sun, L., Wang, X., Fleurat-Lessard, P., Bolze, F., Xu, H.  "Synthesis, photophysical properties and two-photon absorption of benzothiazole/benzoxazole <math>\pi</math>-expanded carbazole dyes",  Dyes and Pigments, 2022, Vol.204, AN 110447  <b>IF 4.5   Q1 (in anul publicarii articolului)</b>  DOI: 10.1016/j.dyepig.2022.110447  ISSN: 0143-7208  WOS: 000836775700002</p>	9	1,78
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38	<p>Magalhães, S., Alves, L., Romano, A., Medronho, B., Rasteiro, M.D.G.  "Extraction and Characterization of Microplastics from Portuguese Industrial Effluents",  Polymers, 2022, Vol. 14(14), AN 2902  <b>IF 5   Q1 (in anul publicarii articolului)</b>  DOI: 10.3390/polym14142902  eISSN: 2073-4360  WOS: 000833742400001</p>	9	1,78
39	<p>Saleem, T., Khan, S., Yaqub, M., Trant, J.F., Shafiq, Z.  "Novel quinoline-derived chemosensors: synthesis, anion recognition, spectroscopic, and computational study",  New Journal of Chemistry, 2022, Vol.46(38), pp. 18233-18243  <b>IF 3.3   Q2 (in anul publicarii articolului)</b>  DOI: 10.1039/d2nj02666j  ISSN: 1144-0546  WOS: 000853109000001</p>	9	1,78
40	<p>Bouih, F., Schmaltz, B., Mathevet, F., Tran-Van, F., Abarbri, M.  "D-<math>\pi</math>-A-Type Pyrazolo[1,5-a]pyrimidine-Based Hole-Transporting Materials for Perovskite Solar Cells: Effect of the Functionalization Position",  Materials, 2022, Vol.15(22), AN 7992  <b>IF 3.4   Q2 (in anul publicarii articolului)</b>  DOI: 10.3390/ma15227992  eISSN: 1996-1944  WOS: 000887543800001</p>	9	1,78
41	<p>Khalid, M., Khan, M., Mahmood, K., Braga, A.A.C., Hussain, R.  "Theoretical designing of non-fullerene derived organic heterocyclic compounds with enhanced nonlinear optical amplitude: a DFT based prediction",  Scientific Reports, 2022, Vol.12(1), AN 20220  <b>IF 3.9   Q1 (in anul depunerii dosarului)</b>  DOI: 10.1038/s41598-022-21894-x  ISSN: 2045-2322  WOS: 000887936300034</p>	9	1,78

Q2	1	1,78	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000790362000001">https://www.webofscience.com/wos/woscc/full-record/WOS:000790362000001</a>
Q1	1	1,78	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000836775700002">https://www.webofscience.com/wos/woscc/full-record/WOS:000836775700002</a>
Q1	1	1,78	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000806822700017">https://www.webofscience.com/wos/woscc/full-record/WOS:000806822700017</a>
Q1	1	1,78	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000833742400001">https://www.webofscience.com/wos/woscc/full-record/WOS:000833742400001</a>
Q2	1	1,78	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000853109000001">https://www.webofscience.com/wos/woscc/full-record/WOS:000853109000001</a>
Q2	1	1,78	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000887543800001">https://www.webofscience.com/wos/woscc/full-record/WOS:000887543800001</a>
Q2	1	1,78	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000887936300034">https://www.webofscience.com/wos/woscc/full-record/WOS:000887936300034</a>

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Q2	1	1,78	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000898006900001">https://www.webofscience.com/wos/woscc/full-record/WOS:000898006900001</a>
	1	0,89	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000998945800001">https://www.webofscience.com/wos/woscc/full-record/WOS:000998945800001</a>
Q2	1	1,78	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000986172700001">https://www.webofscience.com/wos/woscc/full-record/WOS:000986172700001</a>
Q1	1	1,78	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:001045950600001">https://www.webofscience.com/wos/woscc/full-record/WOS:001045950600001</a>
	1	0,89	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:001034370400001">https://www.webofscience.com/wos/woscc/full-record/WOS:001034370400001</a>
Q2	1	1,78	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:001092751100001">https://www.webofscience.com/wos/woscc/full-record/WOS:001092751100001</a>
Q2	1	1,78	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:001094831400001">https://www.webofscience.com/wos/woscc/full-record/WOS:001094831400001</a>

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52	<p>Shafiq, I.; Tariq, A.; Azhar, M.; Haroon, M.; Alshehri, SM; Bullo, S.; Munawar, KS  "Exploring the impact of end-capped moieties on nonlinear optical response in d-<math>\pi</math>-a configured based organoboron derivatives: A DFT/TD-DFT study"  COMPUTATIONAL AND THEORETICAL CHEMISTRY, 2024, Vol.1238  <b>IF 2.8   Q3 (in anul publicarii articolului)</b>  DOI: 10.1016/j.comptc.2024.114727  ISSN: 2210-271X  WOS: 001261817200001</p>	9	0,89		1	0,89	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:001261817200001">https://www.webofscience.com/wos/woscc/full-record/WOS:001261817200001</a>
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Q2	1	1,78		<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:001336886500001">https://www.webofscience.com/wos/woscc/full-record/WOS:001336886500001</a>
	1	8,00		<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000907772100037">https://www.webofscience.com/wos/woscc/full-record/WOS:000907772100037</a>
	1	4,00		<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:001003854200005">https://www.webofscience.com/wos/woscc/full-record/WOS:001003854200005</a>
Q2	1	8,00		<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:001248706600001">https://www.webofscience.com/wos/woscc/full-record/WOS:001248706600001</a>
Q1	1	1,60		<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000708176800005">https://www.webofscience.com/wos/woscc/full-record/WOS:000708176800005</a>
Q1	1	1,60		<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000815960100007">https://www.webofscience.com/wos/woscc/full-record/WOS:000815960100007</a>

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64		Bogosel, DF; Giurgi, GI; Balan, A; Pop, A; Grosu, I; Crisan, AP; Terec, A "The impact of structural modifications in donor-acceptor systems on homojunction organic solar cell photovoltaic properties" ORGANIC ELECTRONICS, 2024, Vol.141, AN 107212 IF 2.6   Q3 (in anul publicarii articolului) DOI: 10.1016/j.orgel.2025.107212 eISSN: 1878-5530 WOS: 001437799400001	7	1,14
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Q1	1	1,60		<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000866259500001">https://www.webofscience.com/wos/woscc/full-record/WOS:000866259500001</a>
Q2	1	8,00		<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000887170200001">https://www.webofscience.com/wos/woscc/full-record/WOS:000887170200001</a>
Q1	1	2,29		<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:001130249600001">https://www.webofscience.com/wos/woscc/full-record/WOS:001130249600001</a>
	1	1,14		<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:001437799400001">https://www.webofscience.com/wos/woscc/full-record/WOS:001437799400001</a>
	1	2,00		<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000917620400001">https://www.webofscience.com/wos/woscc/full-record/WOS:000917620400001</a>
	1	2,00		<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:001023323500001">https://www.webofscience.com/wos/woscc/full-record/WOS:001023323500001</a>
	1	2,00		<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:001102323300001">https://www.webofscience.com/wos/woscc/full-record/WOS:001102323300001</a>

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Q1	1	4,00	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000977458900001">https://www.webofscience.com/wos/woscc/full-record/WOS:000977458900001</a>
	1	2,00	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000987334200001">https://www.webofscience.com/wos/woscc/full-record/WOS:000987334200001</a>
Q2	1	4,00	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:001145034100001">https://www.webofscience.com/wos/woscc/full-record/WOS:001145034100001</a>
Q2	1	4,00	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000990819000001">https://www.webofscience.com/wos/woscc/full-record/WOS:000990819000001</a>
Q2	1	4,00	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:001072651600001">https://www.webofscience.com/wos/woscc/full-record/WOS:001072651600001</a>
	1	2,00	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:001142830300001">https://www.webofscience.com/wos/woscc/full-record/WOS:001142830300001</a>
Q2	1	4,00	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:001219981300001">https://www.webofscience.com/wos/woscc/full-record/WOS:001219981300001</a>

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Q1	1	1,45		<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:001111409100001">https://www.webofscience.com/wos/woscc/full-record/WOS:001111409100001</a>
Q2	1	1,45		<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:001122802800001">https://www.webofscience.com/wos/woscc/full-record/WOS:001122802800001</a>
Q2	1	1,45		<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:001109579100001">https://www.webofscience.com/wos/woscc/full-record/WOS:001109579100001</a>
Q2	1	1,45		<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:001122319900001">https://www.webofscience.com/wos/woscc/full-record/WOS:001122319900001</a>
Q1	1	1,45		<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:001191194400001">https://www.webofscience.com/wos/woscc/full-record/WOS:001191194400001</a>
	1	2,67		<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:001017855400001">https://www.webofscience.com/wos/woscc/full-record/WOS:001017855400001</a>
Q2	1	5,33		<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:001346125000001">https://www.webofscience.com/wos/woscc/full-record/WOS:001346125000001</a>

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Q2	1	2,67		<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000987687200001">https://www.webofscience.com/wos/woscc/full-record/WOS:000987687200001</a>
Q1	1	2,67		<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:001335601500001">https://www.webofscience.com/wos/woscc/full-record/WOS:001335601500001</a>
Q2	1	3,20		<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:001171279700001">https://www.webofscience.com/wos/woscc/full-record/WOS:001171279700001</a>
Q1	1	3,20		<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:001203173500001">https://www.webofscience.com/wos/woscc/full-record/WOS:001203173500001</a>
Q2	1	3,20		<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:001366840400001">https://www.webofscience.com/wos/woscc/full-record/WOS:001366840400001</a>
	1	1,60		<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:001384046900001">https://www.webofscience.com/wos/woscc/full-record/WOS:001384046900001</a>
	1	0,62		<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:001217764800001">https://www.webofscience.com/wos/woscc/full-record/WOS:001217764800001</a>

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Q1	1	1,23	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:001305863900001">https://www.webofscience.com/wos/woscc/full-record/WOS:001305863900001</a>
Q2	1	8,00	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:001233087800001">https://www.webofscience.com/wos/woscc/full-record/WOS:001233087800001</a>

<b>A3.1.2. Citari in reviste si volume ale unor manifestari stiintifice indexate in alte baze de date internationale (BDI): Scopus, IEEE, Science Direct, Elsevier, Springerlink, ACM, DBLP, EURASIP; se exclude autocitarile</b>	<b>Punctaj</b>	<b>Numar</b>
	<b>60,441</b>	<b>35</b>

Nr.	Articol citat	Articol care citeaza /BDI	Num aut. art.citat	Punctaj
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1	10,00	<a href="https://www.mdpi.com/journal/electronics/special_issues/F6722SR1ES">https://www.mdpi.com/journal/electronics/special_issues/F6722SR1ES</a>

**Fisa de verificare a standardelor minimale necesare si obligatorii pentru conferirea titlurilor didactice din invatamantul superior si a gradelor profesionale de cercetare stabilite prin OM 6129 / 2016**

Candidat: Szolga Lorant Andras

Data: 25/7/2025

Comisia: Electronică, telecomunicații și nanotehnologie

Punctaj total: 1570,406

Postul vizat: **Profesor**

Scor=punctaj total/punctaj minim CNADCU: 1,848

Ultimii 5 ani

Nr.	Domeniul activitatilor			Subcategorii		Indicatori (kpi)	Numar	Punctaj	FI
0	1	2	3	4		5	6	7	8
1	Activitatea didactica si profesionala (A1)	Carti de autor in edituri cu ISBN	Carti, monografii	A1.1.1.	internationale	50 (100)/nr.aurori	0	0,00	
		Capitole de specialitate in edituri cu ISBN	Capitole			12.5 (25)/nr.aurori	0	0,00	
		Carti de autor in edituri cu ISBN	Carti, monografii	A1.1.2.	nationale	50 /nr.aurori	3	100,00	
		Capitole de specialitate in edituri cu ISBN	Capitole			12.5/nr.aurori	0	0,00	
		Material didactic/lucrari didactice publicate in edituri cu ISBN	Manuale didactice	A1.2.1		40/nr. autori	0	0,00	
<b>Total punctaj (A1)</b>								<b>100,000</b>	
2	Activitatea de cercetare (A2)	Articole in reviste cotate ISI si lucrari in volumele unor manifestari stiintifice indexate ISI proceedings		A2.1		(25+30 * fact.imp) /nr.aurori	34	815,07	64,969
		Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale recunoscute (BDI)		A2.2		20/nr.aurori	29	297,33	
		Proprietate intelectuala, brevete de inventie, certificate ORDA		A2.3.1	Internationale	35/nr.aurori	0	0,00	0
				A2.3.2	nationale	25/nr.aurori	1	6,25	0,5
		Granturi/proiecte castigate prin competitie sau contracte cu agenti economici in valoare de minim 10000 USD	Director / responsabil	A2.4.1.1	Internationale	20*ani desf.	0	0,00	
				A2.4.1.2	nationale	10*ani desf.	2	35,00	
				A2.4.2.1	Internationale	4*ani desf.	0	0,00	
				A2.4.2.2	nationale	2*ani desf.	1	4,00	
<b>Total punctaj (A2)</b>								<b>1157,654</b>	<b>65,469</b>
3	Recunoasterea si impactul activitatii (A3)	Citari in carti, reviste si volume ale unor manifestari stiintifice		A3.1.1	carti, ISI	8/nr.aut art.citat	89	242,311	
				A3.1.2	BDI	4/nr.aut art.citat	35	60,441	
		Membru in colectivele de redactie sau comitetele stiintifice ale revistelor indexate ISI, chair, co-chair sau membru in comitetele de organizare ale manifestarilor internationale indexate ISI	Punctaj unic pentru fiecare activitate	A3.2.		10	1	10	
		Membru in colectivele de redactie sau comitetele stiintifice ale revistelor indexate BDI, chair sau co-chair sau membru in comitetele de organizare ale manifestarilor stiintifice indexate BDI	Punctaj unic pentru fiecare activitate	A3.3		6	1	0	
		Premii in domeniu conferite de Academia Romana, ASTR, AOSR sau premii internationale de prestigiu		A3.4.		15	0	0	
<b>Total punctaj (A3)</b>								<b>312,752</b>	

Candidat: Szolga Lorant Andras

Data: 25/7/2025

Comisia: Electronică, telecomunicații și nanotehnologie

Ultimii 5 ani

Postul vizat: Profesor

Conditii minimale (Ai)				
Nr.	Domeniu de activitate (A)	Necesar	Realizat	Indeplinit
A1	Activitatea didactica / profesionala (A1)	25	100,000	DA
A2	Activitatea de cercetare (A2)	150	1157,654	
A3	Recunoasterea impactului activitatii (A3)	37,5	312,752	
Total (A)		212,5	1570,406	

**Indicele Hirsch (h - index)**  
**necesar determinarii indicatorului C2.2 pentru finantarea suplimentara**

**Data: 25/7/2025**

**h - index: 5,9**

	WebOfKnowledge	Scopus	Google Scholar
h-index BDI	<b>5</b>	<b>6</b>	<b>8</b>
pondere h-index BDI	0,5	0,3	0,2