*Se aplică pentru :
Facultatea de Inginerie și Tehnologia Informației; Facultatea de Științe și Litere „Petru Maior";
Facultatea de Economie și Drept

Avizat
Comisia de verificare a îndeplinirii standardelor
Președinte: _____
Membri: _____
_____
_____

Standardele minimale:
☐ sunt îndeplinite;
☐ nu sunt îndeplinite.

Fișă de verificare

a îndeplinirii standardelor minimale necesare și obligatorii pentru conferirea titlurilor didactice din învățământul superior și a gradelor profesionale de cercetare-dezvoltare prevăzute în Anexa nr. 2 din Ordinul Ministerului Educației Naționale și Cercetării Științifice nr. 6129/2016

I. DATE DESPRE CANDIDAT

Nume Lefkovits Prenume Szidónia
Gradul didactic pentru care candidează conferențiar universitar
Domeniul științific Informatică Poziția în statul de funcții 12
Departamentul Inginerie Electrică și Tehnologia Informației, Facultatea Inginerie și Tehnologia Informației

Gradul didactic actual lector universitar/șef lucrări Poziția în statul de funcții 20
Domeniul științific Informatică Departamentul Inginerie Electrică și Tehnologia Informației, Facultatea Inginerie și Tehnologia Informației Universitatea de Medicină, Farmacie, Științe și Tehnologie "George Emil Palade" din Târgu Mureș

II. DATE PRIVIND ÎNDEPLINIREA CONDIŢIILOR DE CONCURS

Doctor în Informatică Confirmat prin ordinul nr. 6508/19.12.2012
Atestat de abilitare --- Confirmat prin ordinul nr. ----

III. DATE PRIVIND ÎNDEPLINIREA STANDARDELOR MINIMALE NAŢIONALE

- **Facultatea de Inginerie și Tehnologia Informației și Tehnologia Informației;**

1-Condiţii minimale

Nr. crt.	Domeniul de activitate	Categoria				Punctaj realizat
		Condiţii asistent universitar	Condiţii lector universitar/ şef de lucrări	Condiţii conferenţiar/ CS II	Condiţii profesor/ CS I	Conferențiar/ CS II

		10% din punctajul total aferent poziţiei de conferenţiar	50% din punctajul total aferent poziţiei de conferenţiar	Conform standardelor minimale din Metodologia proprie pentru ocuparea posturilor didactice și de cercetare	Conform standardelor minimale din Metodologia proprie pentru ocuparea posturilor didactice și de cercetare	
1.	**Activitatea didactică şi profesională (A1)**	Min 3.6	Min 18	Min 36	Min 60	**115**
2.	**Activitatea de cercetare (A2)**	Min 3.2	Min 16	Min 32	Min 56	**39.66**
3.	**Recunoaşterea şi impactul activităţii (A3)**	Min 4.8	Min 24	Min 48	Min 120	**153.74**
	TOTAL	Min 11.6	Min 58	Min 116	Min 236	**308.4**

***La realizarea acestui punctaj se iau în considerare şi rezultatele aferente criteriilor opționale dacă este cazul**

B. Condiţii specifice fiecărei comisii prevăzute în anexa nr. 2:

IV. DATE PRIVIND ÎNDEPLINIREA CERINŢELOR:

• Facultatea de Inginerie și Tehnologia Informației și Tehnologia Informației

Nr. crt.	**Tipul activităţilor, categorii şi restricţii**		**Nr. dovezii ***	**Punctaj acordat**	**Punctaj realizat**
ACTIVITATEA DIDACTICĂ ŞI PROFESIONALĂ (A1)					
1.	**A1.1.1Cărți de autor/editate în edituri conform [1]**	1. **Szidónia Lefkovits**, László Lefkovits „Bazele programării orientate pe obiecte în limbajul Java", Petru Maior University Press, 2017, ISBN 978-606-581-135-5 https://old.upm.ro/editura/publicatii.html Carte D,E	A1.1.1/ 1 pg. 1-9	2	

2.	**A1.1.2 Capitole publicate în edituri conform [1]**	1. **Szidónia Lefkovits**, László Szilágyi, László Lefkovits (2019) "Brain Tumor Segmentation and Survival Prediction Using a Cascade of Random Forests" Brainlesion: Glioma, Multiple Sclerosis, Stroke and Traumatic Brain Injuries, BrainLes 2018. Lecture Notes in Computer Science, vol 11384. Springer, Switzerland, Print ISBN 978-3-030-11725-2, https://link.springer.com/chapter/10.1007/978-3-030-11726-9_30 Capitol B	A1.1.2/ 1 Pg. 10-12	4	
		2. **Szidónia Lefkovits**, László Lefkovits, László Szilágyi, (2019) "Applications of Different CNN Architectures for Palm Vein Identification" Lecture Notes in Computer Science (Lecture Notes in Artificial Intelligence), Lecture Notes in Computer Science (Lecture Notes in Artificial Intelligence), Springer, Print ISBN 978-3-030-26772-8 https://link.springer.com/chapter/10.1007/978-3-030-26773-5_26 Capitol B	A1.1.2/ 2 pg. 13-15	4	
		3. **Szidónia Lefkovits**, Simina Emerich, László Szilágyi "Biometric System Based on Registration of Dorsal Hand Vein Configurations" Image and Video Technology. PSIVT 2017. Lecture Notes in Computer Science, vol 10799. Springer, Cham, Print ISBN 978-3-319-92752-7 https://link.springer.com/chapter/10.1007/978-3-319-92753-4_2 Capitol B	A1.1.2/ 3 pg. 16-18	4	
		4. László Lefkovits, **Szidónia Lefkovits**, Mircea-Florin Vaida, Simina Emerich, Raul Măluțan (2016) "Comparison of Classifiers for Brain Tumor Segmentation" IFMBE (International Federation for Medical and Biological Engineering) Proceedings,	A1.1.2/ 4 pg. 19-21	1.33	

		Springer, Cham, Print ISBN 978-3-319-52874-8 https://link.springer.com/chapter/10.1007/978-3-319-52875-5_43 Capitol B			
		5. László Lefkovits, **Szidónia Lefkovits**, László Szilágyi (2017) "Brain Tumor Segmentation with Optimized Random Forest". In: Brainlesion: Glioma, Multiple Sclerosis, Stroke and Traumatic Brain Injuries. BrainLes 2016. Lecture Notes in Computer Science, vol 10154. Springer, Cham, Print ISBN 978-3-319-55523-2 https://link.springer.com/chapter/10.1007/978-3-319-55524-9_9 Capitol B	A1.1.2/ 5 pg. 22-24	4	
		6. Zoltán Kapás, László Lefkovits, David Icănzan, Agnes Győrfi, Barna Iantovics, **Szidónia Lefkovits**, Sándor M. Szilágyi, László Szilágyi "Automatic Brain Tumor Segmentation in Multispectral MRI Volumes Using a Random Forest Approach". In Image and Video Technology. PSIVT 2017. Lecture Notes in Computer Science, vol 10749. Springer, Cham, Print ISBN 978-3-319-75785-8 https://link.springer.com/chapter/10.1007/978-3-319-75786-5_12 Capitol B	A1.1.2/ 6 pg.25-27	0.66	
		7. László Szilágyi**, Szidónia Lefkovits**,Zsolt Levente Kucsván (2018) "A Self-tuning Possibilistic c-Means Clustering Algorithm", Lecture Notes in Computer Science (Lecture Notes in Artificial Intelligence), vol 11144. Springer,Cham, Switzerland, Print ISBN 978-3-030-00201-5 https://www.springerprofessional.de/en/a-self-tuning-possibilistic-c-means-clustering-algorithm/16180924 Capitol B	A1.1.2/ 7 pg. 28-30	4	

3.	**A1.2 Editor proceedings la conferințe conform**		-	0	0
4.	**A1.3 Publicarea unui curs universitar în format electronic**	1. Szidónia Lefkovits Programre orientată pe obiecte curs în format electronic https://sites.umfst.ro/lefkovits-szidonia/ utilizator: cursuri parolă: cursuri_2019 sau https://sites.google.com/view/lszidonia	A1.3/1 pg. 31-32	2	
		2.Szidónia Lefkovits Fundamentele programării curs în format electronic https://sites.umfst.ro/lefkovits-szidonia/ utilizator: cursuri parolă: cursuri_2019 sau https://sites.google.com/view/lszidonia	A1.3/2 pg. 33-34	2	
		3. Szidónia Lefkovits Metode avansate de programare curs în format electronic https://sites.umfst.ro/lefkovits-szidonia/ utilizator: cursuri parolă: cursuri_2019 sau https://sites.google.com/view/lszidonia	A1.3/3 pg. 35-36	2	
		4.Szidónia Lefkovits Tehnici avansate de programare curs în format electronic https://sites.umfst.ro/lefkovits-szidonia/ utilizator: cursuri parolă: cursuri_2019 sau https://sites.google.com/view/lszidonia	A1.3/4 pg. 37-38	2	
		5.Szidónia Lefkovits Baze de date curs în format electronic https://sites.umfst.ro/lefkovits-szidonia/ utilizator: cursuri parolă: cursuri_2019 sau https://sites.google.com/view/lszidonia	A1.3/5 pg. 39-40	2	
		6.Szidónia Lefkovits Sisteme de gestiune a bazelor de date curs în format electronic https://sites.umfst.ro/lefkovits-szidonia/ utilizator: cursuri parolă: cursuri_2019 sau https://sites.google.com/view/lszidonia	A1.3/6 pg. 41-42	2	
		7.Szidónia Lefkovits Prelucrări de semnale	A1.3/7 pg. 43-	2	

		cu aplicații în procesarea imaginilor curs în format electronic https://sites.umfst.ro/lefkovits-szidonia/ utilizator: cursuri parolă: cursuri_2019 sau https://sites.google.com/view/lszidonia	44		
		8. Szidónia Lefkovits Metode avansate de analiză a datelor curs în format electronic https://sites.umfst.ro/lefkovits-szidonia/ utilizator: cursuri parolă: cursuri_2019 sau https://sites.google.com/view/lszidonia	A1.3/8 pg. 45-46	2	
		9. Szidónia Lefkvoits Limbaje formale Culegere de probleme în format electronic https://sites.umfst.ro/lefkovits-szidonia/ utilizator: cursuri parolă: cursuri_2019 sau https://sites.google.com/view/lszidonia	A1.3/9 pg. 47-48	2	
5.	**A1.4 Director/editor al unei reviste**	1. IEEE Access Journal, ISSN: 2169-3536, Associate Editor din 2019, zona roșie, tip A. https://ieeeaccess.ieee.org/editorial-leadership-and-staff/associate-editors/#L	A1.4/1 pg. 49-52	24	
6.	**A1.5 Director (coordinator/responsabil) sau membru al unui grant/proiect/contract/program de cercetare național/internațional**	1. 2016-2018: Bridge Grant PN-III-P2-2.1-BG-2016-0343 intitulat: "Dezvoltarea unor tehnologii de simulare computațională 3D a circulației coronariene și perfuziei miocardice bazate pe imagistică de fuziune" director proiect: prof. univ. dr. Sándor-Miklós Szilágyi, octombrie 2016- 2018 (2 ani), **membru**, valoare 100.000-199.999 Euro	A1.5/1 pg. 53-54	3	
		2. 2014-2015: Grant de cercetare post-doctoral finanțat prin Programul Operational Sectorial Dezvoltarea Resurselor Umane Titlul proiectului: „Rețea transnațională de management integrat al cercetării postdoctorale în domeniul Comunicarea științei. Construcție instituțională (școală postdoctorală) și program de burse (CommScie)" Universitatea „Al. I. Cuza" Iași, POSDRU/159/1.5/S/133652, **director,**	A1.5/2 pg. 55	2	

		valoare <50000 Euro			
		3. aprilie – decembrie 2013 Proiect POSDRU/87/1.3/S60891 „Școala universitară de formare inițială și continuă a personalului didactic și a trainerilor din domeniul specializărilor tehnice și inginerești DidaTec, **membru**, valoare 400000 Euro	A1.5/3 pg. 56-59	4	
		4. Proiect de cercetare DOMUS Hungarica, Academia de știițe Maghiară Titlul proiectului „Study of Deep Learning based Convolutional Neural Network Architectures on High Performance Computing Systems used for Image Segmentation”, 5231/23/2018/HTMT, **director**, valoare <50000 Euro	A1.5/4 pg. 60-72	2	
		5. Segmentarea imaginilor medicale bazată pe metode multi-atlas, pentru diagnosticare și terapeutică, Institutul Programelor de Cercetare al Universitatii Sapientia. director proiect prof. univ. dr. László Szilágyi (16 luni) 1 iunie 2019- 31.11. 2020, **membru**, valoare <50000 Euro	A1.5/5 pg. 73-75	1	
7.	**A1.6 Membru în comitetul științific (de program) al unor conferințe, simpozioane, workshop**	1. The 8th International Conference on Machine Vision (ICMV 2017) http://icmv.org/com.html Tip C	A1.6/1 pg. 76-80	1	
		2. The 9th International Conference on Machine Vision (ICMV 2018) http://icmv.org/com.html Tip C	A1.6/2 pg. 81-82	1	
		3. The 10th International Conference on Machine Vision (ICMV 2019) http://icmv.org/com.html Tip C	A1.6/3 pg. 83-84	1	

		4. International Conference on Interdisciplinarity in Engineering (Inter-Eng), Tg. Mures, Romania, 2014 https://inter-eng.umfst.ro/2014/committees.html Tip D	A1.6/4 pg. 85-86	0.5	
		5. International Conference on Interdisciplinarity in Engineering (Inter-Eng), Tg. Mures, Romania, 2015 https://inter-eng.umfst.ro/2015/committees.html Tip D	A1.6/5 pg. 87-88	0.5	
		6. International Conference on Interdisciplinarity in Engineering (Inter-Eng), Tg. Mures, Romania, 2016 https://inter-eng.umfst.ro/2016/committees.html Tip D	A1.6/6 pg. 89-90	0.5	
		7. International Conference on Interdisciplinarity in Engineering (Inter-Eng), Tg. Mures, Romania, 2017 https://inter-eng.umfst.ro/2017/committees.html Tip D	A1.6/7 pg. 91-92	0.5	
		8. International Conference on Interdisciplinarity in Engineering (Inter-Eng), Tg. Mures, Romania, 2018 https://inter-eng.umfst.ro/2018/committees.html Tip D	A1.6/8 pg. 93-94	0.5	
		9. International Conference on Interdisciplinarity in Engineering (Inter-Eng), Tg. Mures, Romania, 2019 https://inter-eng.umfst.ro/2019/committees.html Tip D	A1.6/9 pg. 95-96	0.5	

		10. The 5th International Conference on Recent Achievements in Mechatronics, Automation, Computer Sciences and Robotics, 2015 https://macro.ms.sapientia.ro/2015/committees.html Tip D	A1.6/10 pg. 97	0.5	
		11. The 6th International Conference on Recent Achievements in Mechatronics, Automation, Computer Sciences and Robotics, 2017 https://macro.ms.sapientia.ro/2017/committees.html Tip D	A1.6/11 pg. 98-102	0.5	
		12. 5th International Symposium on Digital Forensic and Security (ISDFS) http://isdfs2017.upm.ro/index.php/organizing-committee/ Tip D	A1.6/12 pg. 103-105	0.5	
8.	**A1.7 Organizare evenimente științifice/școli de vară**	1. International Conference on Interdisciplinarity in Engineering (Inter-Eng), Tg. Mures, Romania, 2014 https://inter-eng.umfst.ro/2014/committees.html Membru în comitetul de organizare	A1.7/1 pg. 106-107	1	
		2. International Conference on Interdisciplinarity in Engineering (Inter-Eng), Tg. Mures, Romania, 2015 https://inter-eng.umfst.ro/2015/committees.html Membru în comitetul de organizare	A1.7/2 pg. 108-109	1	
		3. International Conference on Interdisciplinarity in Engineering (Inter-Eng), Tg. Mures, Romania, 2016 https://inter-eng.umfst.ro/2016/committees.html Membru în comitetul de organizare	A1.7/3 pg. 110-111	1	

		4. International Conference on Interdisciplinarity in Engineering (Inter-Eng), Tg. Mures, Romania, 2017 https://inter-eng.umfst.ro/2017/committees.html Membru în comitetul de organizare	A1.7/4 pg. 112-113	1	
		5. International Conference on Interdisciplinarity in Engineering (Inter-Eng), Tg. Mures, Romania, 2018 https://inter-eng.umfst.ro/2018/committees.html Membru în comitetul de organizare	A1.7/5 pg. 114-115	1	
		6. International Conference on Interdisciplinarity in Engineering (Inter-Eng), Tg. Mures, Romania, 2019 https://inter-eng.umfst.ro/2019/committees.html Membru în comitetul de organizare	A1.7/6 pg. 116-117	1	
		7. 5th International Symposium on Digital Forensic and Security (ISDFS) 2017 http://isdfs2017.upm.ro/index.php/organizing-committee/ Membru în comitetul de organizare	A1.7/7 pg. 118-120	1	
9.	**A1.8 Keynote/invited speaker/professor la evenimente/ universități conform [2]**	1.The 7th International Conference on Machine Vision (ICMV 2016), Invited chairman Tip C	A1.8/1 pg. 121-124	2	
		2. Analiza Imaginilor şi Secvenţelor video. Teorie şi Aplicaţii Simpozion Aniversar Dedicat aniversării a 150 de ani de la înfiinţarea Academiei Române &25 de ani de la înfiinţarea Secţiei de Ştiinţa şi Tehnologia Informaţiei cu articolul „Discriminative Model for Tumor Segmentation in Multimodal MRI" Tip C Conferință Academiei Române	A1.8/2 pg. 125-126	2	

		3. International Conferences in Central Europe on Computer Graphics, Visualization and Computer Vision (WSCG 2018) Invited chairman Tip B	A1.8/3 pg. 127	4	
		4. Conferința Medicina Viitorului – La interfața între medicină tehnologie și cost-eficiență "Metode de inteligență artifcială cu aplicații în segmentarea imaginilor" Tip D	A1.8/4 Pg. 128-129	1	
		5. Conferința Digitális Orvoslás (Medicină digitală) organizat de UMFST Tg. Mureș, noiembrie 2019 „Mesterséges intelligencia, eszköz a diagnosztikában" (Inteligența artificială în diagnostizarea medicală) Tip D	A1.8/5 pg. 130-131	1	
10.	**A1.9 Profesor/cercetător asociat/visiting la o universitate conform [2] și [3]**	1. Universitatea Tehnică și de Științe Economice din Budapesta Budapest University of Technology and Economics, Postdoctorand în laboratorul de inginerie biomedicală Biomedical Engineering Laboratory, Ianuarie-februarie 2013 – 1 lună, top 1000	A1.9/1 pg. 132-133	1	
		2. Universitatea Debrecen, Facultatea de Informatică, Centrul de supercalculatoare Cercetător invitat la Centrul de supercalculatoare aprilie, iunie 2019 – 2 săptămâni, top 1000	A1.9/2 pg. 134-135	0.5	
11.	**A1.10 Consolidarea de echipe de cercetare conform [4]**		-	0	0
12.	**A1.11 Membru în comisii de evaluare a tezelor de**		-	0	0

	doctorat la o universitate conform [2]				
13.	**A1.12 Membru în comisii de îndrumare a doctoranzilor (dovedit prin decizia școlii doctorale)**		-	0	0
14.	**A1.13 Brevete și invenții active (OSIM, ORDA, etc.)**		-	0	0
15.	**A1.14 Dezvoltarea de pachete și instrumente software, dezvoltarea de resurse și colecții de date de largă utilitate (probate prin număr de accesări, publicarea pe site-uri open source, etc.) conform [5]**		-	0	0
16.	**A1.15 Poziții de conducere în organizații profesionale**		-	0	0
17.	**A1.16 Premii**	1. **2012 – Best Talk**: Szidónia Lefkovits	A1.16/1	11	

	și alte merite	"Hybrid Face Detector Based on Boosted Classifiers" 8th International Conference of PhD Students in Computer Science, Szeged, Hungary 28-30th of June 2012, Best talk of the session award	pg. 136		
		2. **2017** – **Best Presentation** "Biometric identification based on feature fusion with PCA and SVM", Proc. SPIE 10696, Tenth International Conference on Machine Vision 13-15 November 2017(ICMV 2017), Vienna, Austria	A1.16/2 pg. 138		
		3. **2017 – Best Paper** „Human Identification Using Multi-region PCA for Iris Recognition" Fifth International Conference on Advances in Computing, Communication and Information Technology - CCIT 2017, Zürich Elveția	A1.16/3 pg. 137		
		4. **2013** – Participare ca profesor îndrumător al unei echipe la concursul internațional de programare pe echipe ECN Universitatea Sapientia Tg. Mureș, 11.05.2013 http://ecn.ms.sapientia.ro/participants.php	A1.16/4 pg. 141,146		
		5. **2013** – Participare ca profesor îndrumător a două echipe la concursul internațional de programare pe echipe DEIK Debrecen Ungaria, 1.12.2013 https://progcont.hu/progcont/100023/ranklist.html	A1.16/4 pg. 139		
		6. **2013 – Mențiune** Concurs de programare pe echipe DEIK, Universitatea Debrecen, Ungaria, coach, 1.12.2013 https://progcont.hu/progcont/100023/ranklist.html	A1.16/4 pg. 139-140		
		7. **2014** – Participare ca profesor îndrumător a două echipe la concursul internațional de programare pe echipe ECN Universitatea Sapientia Tg. Mureș http://ecn.ms.sapientia.ro/participants.php	A1.16/4 pg. 146		

		8. **2014** – Participare ca profesor îndrumător a două echipe la concursul International de programare pe echipe DEIK Debrecen Ungaria, 30.11.2014 https://progcont.hu/progcont/100075/	A1.16/4 142-145		
		9. **2014 – Locul 3** Concurs de programare pe echipe DEIK, Universitatea Debrecen, Ungaria, coach, 30.11.2014 https://progcont.hu/progcont/100075/ranklist.html	A1.16/4 pg. 144		
		10. **2014** – Participare ca profesor îndrumător la ONIS (Olimpiada Națională pentru Studenți) 3 runde online, 14.12.2013,12.01.2014,9.03.2014 https://www.infoarena.ro/onis-2014/clasament/runda-1	A1.16/4 pg. 147		
		11. **2015** – Participare ca profesor îndrumător a patru echipe la concursul internațional de programare pe echipe ECN Universitatea Sapientia Tg. Mureș, 9.05.2015 http://ecn.ms.sapientia.ro/participants.php	A1.16/4 pg. 151		
		12. **2015** – Participare ca profesor îndrumător la concursul internațional de programare pe echipe DEIK Debrecen Ungaria, 29.11.2015 https://progcont.hu/progcont/100127/ranklist.html	A1.16/4 148-150		
		13. **2015** - Participare ca profesor îndrumător la ONIS (Olimpiada Națională pentru Studenți) 1 rundă online, 9.02.2015	A1.16/4 pg. 152		
		14. **2016** – Participare ca profesor îndrumător al unei echipe la concursul internațional de programare pe echipe ECN Universitatea Sapientia Tg. Mureș, 21.05.2016	A1.16/4 pg. 170-171		

		http://ecn.ms.sapientia.ro/participants.php			
		15. **2016** – Participare ca profesor îndrumător a două echipe la concursul internațional de programare pe echipe DEIK Debrecen Ungaria,03.12.2016 https://progcont.hu/progcont/100175/ranklist.html	A1.16/4 pg. 153-156		
		16. **2017** – Participare ca profesor îndrumător la concursul internațional de programare pe echipe ECN Universitatea Sapientia Tg. Mureș, 13.05.2016 http://ecn.ms.sapientia.ro/participants.php	A1.16/4 Pg. 170-171, 172		
		17. **2017** – Participare ca profesor îndrumător a două echipe la concursul internațional de programare pe echipe DEIK Debrecen Ungaria, 4.12.2017 https://progcont.hu/progcont/100232/ranklist.html	A1.16/4 pg. 157-160		
		18. **2018** – Participare ca profesor îndrumător al unei echipe la concursul internațional de programare pe echipe ECN Universitatea Sapientia Tg. Mureș,11.05.2018 http://ecn.ms.sapientia.ro/participants.php	A1.16/4 pg. 169-170		
		19. **2018** – Participare ca profesor îndrumător a două echipe la concursul internațional de programare pe echipe DEIK Debrecen Ungaria, 9.12.2018 https://progcont.hu/progcont/100292/ranklist.html	A1.16/4 161-164		
		20. **2018** – **Mențiune** Concurs de programare pe echipe DEIK, Universitatea Debrecen, Ungaria, coach, 9.12.2018 https://progcont.hu/progcont/100292/ranklist.html	A1.16/4 pg. 163,173		

		21**. 2019 –** Participare ca profesor îndrumător a două echipe la concursul internațional de programare pe echipe ECN Universitatea Sapientia Tg. Mureș,11.05.2019 http://ecn.ms.sapientia.ro/participants.php	A1.16/4 pg. 169, 174		
		22. **2019 –** Participare ca profesor îndrumător a două echipe la concursul internațional de programare pe echipe DEIK Debrecen Ungaria, 8.12.2019 https://progcont.hu/progcont/100340/ranklist.html	A1.16/4 pg. 165-168		
		23. **2014–** Cadru didactic îndrumător al lucrării premiate la sesiunea de comunicări științifice studențești UPM „Recunoaștere facială prin metoda fețelor proprii" student Ștefan Răzvan Cristian **– Premiul II**	A1.16/5 pg. 175		
		24. **2016–** Cadru didactic îndrumător al lucrării premiate la sesiunea de comunicări științifice studențești UPM „Recunoașterea formelor geometrice din imagini bidimensionale" student Teslovan Loredan Florin Marcel **– Premiul I**	A1.16/5 pg. 176-177		
		25. **2018–** Cadru didactic îndrumător al lucrării premiate la sesiunea de comunicări științifice studențești UPM „Recunoașterea bancnotelor din imagini" student Czirjek Hunor **– Premiul I**	A1.16/5 pg. 178—179		
		26. **2019–** Cadru didactic îndrumător al lucrării premiate la sesiunea de comunicări științifice studențești UMFST „Detectarea vaselor de sânge de pe retină" masterand Răduț Cristina **– Premiul I**	A1.16/5 Pg. 180-181		
		Punctaj realizat A1	**Total**	**115**	

Nr. crt.	Tipul activităţilor, categorii şi restricţii		Nr. dovezii *	Punctaj acordat	Punctaj realizat
ACTIVITATEA DE CERCETARE (A2)					
1.	**A2.1 Publicații categoria A* (conform [6])**		-	-	-
2.	**A2.2 Publicații categoria A (conform [6])**		-	-	-
3.	**A2.3 Publicații categoria B (conform [6])**	1. **Szidónia Lefkovits**,László Szilágyi, László Lefkovits "Brain Tumor Segmentation and Survival Prediction Using a Cascade of Random Forests", in "Proceedings of the Medical Image Computing and Computer Assisted Intervention (MICCAI)"BRATS-Grand Challenge and Workshop, Granada,16-20 September 2018, . Lecture Notes in Computer Science, vol 11384. Springer, Switzerland, pp. 334-345, Workshop A https://doi.org/10.1007/978-3-030-11726-9_30	A2.3/1 pg. 182-193,194	4	
		2. **Szidónia Lefkovits,**László Lefkovits, László Szilágyi "CNN Approaches for Dorsal Hand Vein Identification" 27th International Conference on Computer Graphics, Visualization and Computer Vision ISSN 2464–4617, Computer Science Research Notes CSRN 2902, pp. 51-60 https://doi.org/10.24132/CSRN.2019.2902.2.7	A2.3/2 pg. 195-204, 205	4	
		3. **Szidónia Lefkovits,**László Lefkovits, László Szilágyi :"Applications of Different CNN Architectures for Palm Vein Identification" 16th International Conference on Modeling Decisions for Artificial Intelligence, Milan, Italy, 4--7 September 2019, LNCS, volume 11676, pp. 295-306	A2.3/3 pg. 206-217,218	4	

		https://doi.org/10.1007/978-3-030-26773-5_26			
		4. László Lefkovits, **Szidónia Lefkovits**, László Szilágyi "Brain Tumor Segmentation with Optimized Random Forest", in "Proceedings of the Medical Image Computing and Computer Assisted Intervention (MICCAI)"BRATS-Grand Challenge and Workshop, 17-21 October 2016, Brainlesion: Glioma, Multiple Sclerosis, Stroke and Traumatic Brain Injuries. BrainLes 2016. Lecture Notes in Computer Science, vol 10154. Springer, Cham, pp. 88-99, WOS:000418345600009 https://doi.org/10.1007/978-3-319-55524-9_9	A2.3/4 pg. 219-225,226	4	
		5. László Lefkovits, **Szidónia Lefkovits** "Two-phase MRI brain tumor segmentation using Random Forests and Level Set Methods" 26th International Conference on Computer Graphics, Visualization and Computer Vision May 28-June 1, 2018,Computer Science Research Notes CSRN 2802, ISSN 2464-4617, pp. 152-159 https://doi.org/10.24132/CSRN.2018.2802.19	A2.3/5 pg. 227-234, 235	4	
		6. László Szilágyi, **Szidónia Lefkovits**, Zsolt Levente Kucsván "A Self-Tuning Possibilistic c-Means Clustering Algorithm" 15th International Conference on Modeling Decisions for Artificial Intelligence, Mallorca, Spain, 15-18 October 2018, pp. 255-266 https://doi.org/10.1007/978-3-030-00202-2_21	A2.3/6 pg. 236-247,248	4	
		7. Zoltán Kapás, László Lefkovits, David Icănzan, Agnes Győrfi, Barna Iantovics, **Szidónia Lefkovits**, Sándor M. Szilágyi, László Szilágyi "Automatic Brain Tumor Segmentation in Multispectral MRI Volumes Using a Random Forest Approach". In: Paul	A2.3/7 pg. 249-261,262	0.66	

		M., Hitoshi C., Huang Q. (eds) Image and Video Technology. PSIVT 2017. Lecture Notes in Computer Science, vol 10749. Springer, Cham, pp. 137-149, WOS:000455462300012 https://doi.org/10.1007/978-3-319-75786-5_12			
		Punctaj realizat A2.3	**Total**	**24.66**	
4.	**A2.4 Publicații categoria C (conform [6])**	**1. Szidónia Lefkovits** "Novel Gabor filter-based patch descriptor". In Intelligent Systems and Informatics (SISY), 2012 IEEE 10th Jubilee International Symposium on 2012 Sep 20 (pp. 373-378). IEEE, pp. 373-378 https://doi.org/10.1109/SISY.2012.6339547	A2.4/1 pg. 263-268,269	2	
		2. Szidónia Lefkovits "Improvements on Gabor Descriptor Retrieval for Patch Detection", The Journal of Computing and Informatics, vol. 34 no.6, pp. 1374-1396, 2015, **Factor de impact 0.524**., WOS:000370996500008 http://www.cai.sk/ojs/index.php/cai/article/view/1001/739	A2.4/2 pg. 270-292,293-295	2	
		3. Szidónia Lefkovits, Simina Emerich, László Szilágyi "Biometric System Based on Registration of Dorsal Hand Vein Configurations". Image and Video Technology. PSIVT 2017. Lecture Notes in Computer Science, vol 10799. Springer, Cham, pp.17-29 https://doi.org/10.1007/978-3-319-92753-4_2	A2.4/3 pg. 296-308,309	2	
		4. Szidónia Lefkovits, László Lefkovits, "Comparison of Subspace Methods for Iris Identification" IEEE 17th World Symposium on Applied Machine Intelligence and Informatics, SAMI , Slovakia, 24-26 January, 2019 , pp. 305-310. https://doi.org/10.1109/SAMI.2019.878278	A2.4/4 pg. 310-315,316	2	

		0			
		5. László Lefkovits, **Szidónia Lefkovits**, Simina Emerich, Mircea-Florin Vaida "Random Forest Feature Selection Approach for Image Segmentation" The 9th International Conference on Machine Vision, 18-20 November 2016, Nice, France, pp. 1034117-1034117-5, SPIE Vol. 10341, pp.1069604-1- 1069604-10, WOS:000410664800042 https://doi.org/10.1117/12.2268694	A2.4/5 pg. 317-321, 322	1	
		6. László Lefkovits, **Szidónia Lefkovits**, Mircea-Florin Vaida "An Optimized Segmentation Framework Applied to Glioma Delimitation", Studies in Informatics and Control Vol. 26 Issue 2, pp. 203-212, **Factor de impact 1.02,** WOS:000405978500008 https://doi.org/10.24846/v26i2y201708	A2.4/6 pg. 323-332,333-334	2	
		7. László Lefkovits, **Szidónia Lefkovits**, Simina Emerich "Biometric identification based on feature fusion with PCA and SVM", Proc. SPIE 10696, Tenth International Conference on Machine Vision 13-15 November 2017(ICMV 2017), Vienna, Austria,. SPIE Vol. 1069604; pp. 10696 – 10696, WOS:000432481200003 https://doi.org/10.1117/12.2309533	A2.4/7 pg. 335-344,345	2	
		8.László Szilágyi **, Szidónia Lefkovits,** Sándor M. Szilágyi "Self-tuning possibilistic c-means clustering models" International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, vol.17, no. 1, February 2020, ISSN: 0218-4885, 10.1142/S0218488519400014, **Factor de impact 1.286,** WOS:000495443400008 https://doi.org/10.1142/S0218488519400075	A2.4/8 pg. 346-362, 363	2	

		Punctaj realizat A2.4	**Total**	**15**	
5.	**A2.5 Publicații categoria D (conform [6])**	1. **Szidónia Lefkovits**, Laszló Lefkovits, Simina Emerich "Detecting the eye and its openness with Gabor filters", Digital Forensic and Security (ISDFS), 2017 5th International Symposium on, 1-5, 2017, ISI Thomson - CPCI-s, WOS:000405893600013 https://doi.org/10.1109/ISDFS.2017.7916506	-	0	0
		2. **Szidónia Lefkovits**, Laszló Lefkovits "Gabor Feature Selection Based on Information Gain" International Conference on Interdisciplinarity in Engineering 6th-7th October 2016, Procedia Engineering 181, pp. 892-898, Elsevier, ISI Thomson - CPCI-S, WOS:000404612700124 https://doi.org/10.1016/j.proeng.2017.02.482	-	0	0
		3. **Szidónia Lefkovits**, Laszló Lefkovits "Comparison of Boosted Gabor Feature based Local Descriptor" International Conference on Interdisciplinarity in Engineering 8th-9th October 2015, Procedia Technology, vol. 22, 2016, pp 913-921 ISI Thomson - CPCI-S, WOS:000383949300128 https://doi.org/10.1016/j.protcy.2016.01.083	-	0	0
		4. **Szidónia Lefkovits**, Laszló Lefkovits "Blob Detector Based Gabor Descriptor for Feature Extraction" International Conference EITM-6, European Integration Between Tradition and Modernity, Tîrgu-Mureș 22-23th of October 2015, Mathematics and Computer Science section, BDI indexed https://doi.org./10.17684/issn.2393-1140	-	0	0
		5. **Szidónia Lefkovits**, Laszló Lefkovits "Distance Based k-NN Classification of Gabor Jet Local Descriptors" International	-	0	0

		Conference on Interdisciplinarity in Engineering 9th-10th October 2014, Procedia Technology, Vol. 19, 2015, pp.780-785 ISI Thomson - CPCI-S, WOS:000358732500109 https://doi.org/10.1016/j.protcy.2015.02.110			
		6. **Szidónia Lefkovits**, Laszló Lefkovits "Enhanced Gabor Filter Based Facial Feature Detector" International Conference IETM-5, European Integration between Tradition and Modernity, Tîrgu-Mureș 24-25th of October 2013, Mathematics and Computer Science section, ISI Thomson - CPCI-S, WOS:000358736200137 https://doi.org/10.17684/issn.2393-1140	-	0	0
		7. **Szidónia Lefkovits**, László Lefkovits "Performance Analysis of Eiegenface Recognition under varying external conditions", Scientific Bulletin of "Petru Maior" University" Tîrgu-Mureș, vol. 11 no. 2 pp. 40-49, 2014, BDI indexed http://scientificbulletin.upm.ro/papers/2014-2/08%20Performance%20analysis%20Lefkovits.pdf	-	0	0
		8. **Szidónia Lefkovits** "Hybrid Face Detector Based on Boosted Classifiers" Conference Of Phd Students In Computer Science, Szeged, Hungary http://cscs2012/pdf/CSCS2012-proceedings.pdf	-	0	0
		9. **Szidónia Lefkovits** "Numerical Computation Method of the General Distance Transform", Studia Informatica Universitatis Babeș-Bolyai, vol. 56:2, p: 56-74 http://www.cs.ubbcluj.ro/~studia-i/contents/2011-2/b14-Lefkovits.pdf	-	0	0

		10. **Szidónia Lefkovits** "Numerical Computation Method of the General Distance Transform", KEPT 2011, Knowledge Engineering Principles and Techniques, p:143-152 WOS:000391652300014	-	0	0
		11. **Szidónia Lefkovits** "Combining Boosted Global-And Part-Aspect Face Detectors" Scientific Bulletion of „Petru Maior" University of Târgu Mureș, vol. 7 (XXIV) no. 1, 2010, ISSN 1841-9267, BDI Indexed http://amset.umfst.ro/papers/2011-1/Lefkovits-Combining-Boosted-Global.pdf	-	0	0
		12. **Szidónia Lefkovits** "Teaching Improvements on Haar-based Classifiers" In The Proceedings of the "European Integration-Between Tradition and Modernity" Congress. 2009., pp. 1050-1060, ISI Thomson - CPCI-S WOS:000308595700105	-	0	0
		13**. Szidónia Lefkovits** "Assessments of building classifiers for face detection" Acta Universitatis Sapientiae Electrical and Mechanical Engineering, 1 (2009) pp. 175-186, vol. 1, ISSN 2065-5916, BDI Indexed http://www.acta.sapientia.ro/acta-emeng/C1/emeng1-15.pdf	-	0	0
		14. **Szidónia Lefkovits** "Performance Analysis of Face Detection Based on Haar-features" International Conference on Complexity in Artificial and Natural Systems (Vol. 1, No. 2008, pp. 184-192), ISI Thomson - CPCI-S WOS:000264924800025 https://publons.com/publon/8617665/	-	0	0
		15. László Lefkovits, **Szidónia Lefkovits**, Mircea-Florin Vaida, Simina Emerich, Raul Măluțan "Comparison of Classifiers for Brain	-	0	0

		Tumor Segmentation", in "5th International Conferenceon Advancements of Medicine and Health Care through Technology MediTec", 12 - 15 October 2016,pp 195-200, ISI Thomson - CPCI-S, . WOS:000426009100043 https://doi.org/10.1007/978-3-319-52875-5_43			
		16. László Lefkovits, **Szidónia Lefkovits**, Petre Pop, Mircea-Florin Vaida. "Bias Field Inhomogeneity Measurements"."IEEE - 2015 E-Health and Bioengineering Conference", Iași, pp 1–4, 19-21 November 2015, ISI Thomson - CPCI-S, WOS:000380397900217 https://doi.org/10.1109/EHB.2015.7391564	-	0	0
		17, László Lefkovits, **Szidónia Lefkovits**, Mircea-Florin Vaida. "An Atlas Based Performance Evaluation of Inhomogeneity Correcting Effects". "The 5th International Conference on Recent Achievements in Mechatronics, Automation, Computer Sciences and Robotics, MACRO", Tîrgu-Mureș, , pp 79–90, 6-7, March 2015, ISI Thomson - CPCI-S, WOS:000364568800008 https://doi.org/10.1515/macro-2015-0008	-	0	0
		18. László Lefkovits, **Szidónia Lefkovits**, Mircea-Florin Vaida "Brain Tumor Segmentation Based on Random Forest". Memoirs of the Scientific Sections of the Romanian Academy vol. XXXIX, pp. 83–93, 2016, BDI indexed http://mss.academiaromana-is.ro/mem_sc_st_2016/8_Lefkovits.pdf	-	0	0
		19. László Lefkovits, **Szidónia Lefkovits**, Mircea-Florin Vaida "Survey of MR Image Processing Methods" Acta Technica Napocensis, Electronics and Telecommunications, Vol. 55 Issue 4, pp:13-18, BDI indexed	-	0	0

		http://users.utcluj.ro/~atn/papers/ATN_4_2014_3.pdf			
		20. László Lefkovits, **Szidónia Lefkovits** "Gaussian Refinement on Gabor filter based Patch Descriptor"International Conference on Applied Informatics Eger, Hungary, 29th January-1st February 2014 http://doi.org/10.14794/ICAI.9.2014.1.75	-	0	0
		21. László Lefkovits, Septimiu Crișan, Simina Emerich, **Szidónia Lefkovits** "Human Identification Using Multi-region PCA for Iris Recognition", Fifth International Conference on Advances in Computing, Communication and Information Technology - CCIT 2017, Zürich, Switzerland, 2-3, September, 2017 http://doi.org/10.15224/978-1-63248-131-3-65	-	0	0
		22. Spyridon Bakas, Mauricio Reyes, Andras Jakab, Stefan Bauer, et. int. **Szidónia Lefkovits**, et. al. "Identifying the Best Machine Learning Algorithms for Brain Tumor Segmentation", Progression Assessment, and Overall Survival Prediction in the BRATS Challenge", arXiv:1811.02629v3 https://arxiv.org/pdf/1811.02629.pdf	-	0	0
		Total A2.5	-	0	**0**
		Punctaj realizat A2	**Total**	**39.66**	

Nr. crt.	Tipul activităţilor, categorii şi restricţii		Nr. dovezii *	Punctaj acordat	Punctaj realizat
RECUNOAŞTEREA ŞI IMPACTUL ACTIVITĂŢII (A3)					
1.	**A3.1 Citări provenind din publicații categoria A* (conform [6])**	**Lucrarea citată:** Spyridon Bakas, Mauricio Reyes, Andras Jakab, Stefan Bauer, MarkusRempfler, Alessandro Crimi et int. **Szidónia Lefkovits** et al. Bjoern Menze :"Identifying the Best Machine Learning Algorithms for Brain TumorSegmentation, Progression Assessment, and Overall SurvivalPrediction in the BRATS Challenge", arXiv preprint arXiv:1811.02629, 2018	**pg. 364**	-	-
		T Vercauteren, M Unberath, N Padoy, N Navab "CAI4CAI: The Rise of Contextual Artificial Intelligence in Computer Assisted Interventions"- Proceedings of the IEEE, 2019 https://ieeexplore.ieee.org/abstract/document/8880624	A3.1/1 CGS/16 pg. 424-445, CRG pg. 446-463	0.0279	
2.	**A3.2 Citări provenind din publicații categoria A (conform [6])**	**Lucrarea citată:** László Lefkovits, **Szidónia Lefkovits**, László Szilágyi "Brain Tumor Segmentation with Optimized Random Forest", in "Proceedings of the Medical Image Computing and Computer Assisted Intervention (MICCAI)"BRATS-Grand Challenge and Workshop, 17-21 October 2016	**pg. 364-366**	-	-
		L Chen, P Bentley, D Rueckert "Fully Automatic Acute Ischemic Lesion Segmentation in DWI Using Convolutional Neural Networks" NeuroImage-Clinical, 2017 – Elsevier, ISSN: 2213-1582 https://www.sciencedirect.com/science/article/pii/S221315821730147X	A3.2/1 CGS/1 pg. 404-410, CRG pg. 446-463	8	
		M Soltaninejad, G Yang, T Lambrou, N Allinson "Supervised learning based multimodal MRI brain tumour segmentation	A3.2/2 CGS/1 pg. 404-	8	

		using texture features from supervoxel" Computer Methods and Programs in Biomedicine, Volume 157, April 2018, Pages 69-84, ISSN: 0169-2607 https://www.sciencedirect.com/science/article/pii/S016926071731355X	410, CRG pg. 446-463		
		Z Liu, C Cao, S Ding, T Han, H Wu, S Liu "Towards Clinical Diagnosis: Automated Stroke Lesion Segmentation on Multimodal MR Image Using Convolutional Neural Network" IEEE Access (Volume: 6), pp 57006 - 57016, ISSN: 2169-3536, 2018 https://ieeexplore.ieee.org/abstract/document/8478270	A3.2/3 CGS/1 pg. 404-410, CRG pg. 446-463	8	
		Anirban Sengupta, Anandh K. Ramaniharan, Rakesh K. Gupta, Sumeet Agarwal, Anup Singh "Glioma Grading Using a Machine-Learning Framework Based on Optimized Features Obtained From T1 Perfusion MRI and Volumes of Tumor Components ", Journal Of Magnetic Resonance Imaging, March 2019 https://www.ncbi.nlm.nih.gov/pubmed/30895704	A3.2/4 CGS/1 pg. 404-410, CRG pg. 446-463	8	
		J. Nalepa, P. Ribalta Lorenzo, M. Marcinkiewicz: Fully-automated deep learning-powered system for DCE-MRI analysis of brain tumors, Artificial Intelligence in Medicine, 27 November 2019, 101769 https://www.sciencedirect.com/science/article/pii/S0933365718306638	A3.2/5 CGS/1 pg. 404-410, CRG pg. 446-463	8	
		Lucrarea citată: **Szidónia Lefkovits**,László Lefkovits, László Szilágyi :"Applications of Different CNN Architectures for Palm Vein Identification" 16th International Conference on Modeling Decisions for Artificial Intelligence, Milan, Italy, 4--7 September 2019, LNCS, volume 11676, pp. 295-306	**pg. 366**	-	-
		Sungchul Cho ; Beom-Seok Oh ; Kar-Ann Toh ; Zhiping Lin "Extraction and cross-matching of palm-vein and palmprint from the RGB	A3.2/6 CRG pg. 446-	8	

		and the NIR spectrums for identity verification", IEEE Access, Early Access, December 2019 https://ieeexplore.ieee.org/document/8945316	463		
		Lucrarea citată: László Lefkovits, **Szidónia Lefkovits**, Simina Emerich, Mircea-Florin Vaida "Random Forest Feature Selection Approach for Image Segmentation" The 9th International Conference on Machine Vision, 18-20 November 2016, Nice, France, pp. 1034117-1034117-5, SPIE Vol. 10341	**pg. 366-367**	-	-
		H. Tang, P. Dong and Y. Shi, "A Construction of Robust Representations for Small Data Sets Using Broad Learning System," in IEEE Transactions on Systems, Man, and Cybernetics: Systems. https://ieeexplore.ieee.org/abstract/document/8941069	A3.2/7 CGS/4 pg. 412, CRG pg. 446-463	4	
		Lucrarea citată: Zoltán Kapás, László Lefkovits, David Iclănzan, Ágnes Győrfi, Barna László Iantovics,**Szidónia Lefkovits,** Sándor Miklós Szilágyi, László Szilágyi "Automatic Brain Tumor Segmentation in Multispectral MRI Volumes Using a Random Forest Approach", Pacific-Rim Symposium on Image and Video Technology PSIVT 2017: Image and Video Technology pp 137-149	**pg. 367**	-	-
		R Stoean "Analysis on the potential of an EA–surrogate modelling tandem for deep learning parametrization: an example for cancer classification from medical images"- Neural Computing and Applications, 2018, 0941-0643 https://link.springer.com/article/10.1007/s00521-018-3709-5	A3.2/8 CGS/8 pg. 416, CRG pg. 446-463	1.33	
		Lucrarea citată: László Lefkovits, **Szidónia Lefkovits**, Mircea-Florin Vaida, Simina Emerich, Raul Măluțan (2016) "Comparison of Classifiers for Brain Tumor Segmentation" IFMBE (International	**pg. 367**	-	-

		Federation for Medical and Biological Engineering) Proceedings, Springer, Cham, Print ISBN 978-3-319-52874-8			
		G Manogaran, PM Shakeel, AS Hassanein et al. „Machine Learning Approach-Based Gamma Distribution for Brain Tumor Detection and Data Sample Imbalance Analysis" IEEE Access (Volume: 7), 2019 https://ieeexplore.ieee.org/abstract/document/8528358	A3.2/9 CGS/6 pg. 414, CRG pg. 446-463	2.66	
		Lucrarea citată: Spyridon Bakas, Mauricio Reyes, Andras Jakab, Stefan Bauer, MarkusRempfler, Alessandro Crimi et int. **Szidónia Lefkovits** et al. Bjoern Menze :"Identifying the Best Machine Learning Algorithms for Brain TumorSegmentation, Progression Assessment, and Overall SurvivalPrediction in the BRATS Challenge", arXiv preprint arXiv:1811.02629, 2018	**pg. 368**	-	-
		Florent Tixier, Hyemin Um, Robert J Young, Harini Veeraraghavan: Reliability of tumor segmentation in glioblastoma: impact on the robustness of MRI-radiomic features, The International Journal of Medical Physics (2019) " ISSN: 0094-2405, doi: 10.1002/mp.13624 https://www.ncbi.nlm.nih.gov/pmc/?term=Florent+Tixier%2C+Hyemin+Um%2C+Robert+J+Young%2C+Harini+Veeraraghavan ***Conform Google Scholar***	A3.2/10 CGS/16 pg. 424-445 pg. 426-445	0.0186	
		Madeleine M. Shaver Paul A. Kohanteb, Catherine et. al. Optimizing Neuro-Oncology Imaging: A Review of Deep Learning Approaches for Glioma Imaging, Cancers 2019, 11:829 https://www.mdpi.com/2072-6694/11/6/829 ***Conform Google Scholar***	A3.2/11 CGS/16 pg. 424-445 pg. 426-445	0.0186	
		Donnie Kim, Nicholas Wang, Viswesh Ravikumar et al. "Prediction of 1p/19q Codeletion in Diffuse Glioma Patients Using Pre-operative Multiparametric Magnetic	A3.2/12 CGS/16 pg. 424-445 pg.	0.0186	

		Resonance Imaging", Frontiers in Computational Neuroscience, 2019 https://www.frontiersin.org/articles/10.3389/fncom.2019.00052/full ***Conform Google Scholar***	426-445		
		G Wang, W Li, T Vercauteren, S Ourselin "Automatic Brain Tumor Segmentation Based on Cascaded Convolutional Neural Networks with Uncertainty Estimation", Frontiers in Computational Neuroscience, 2019 https://www.frontiersin.org/articles/10.3389/fncom.2019.00056/full ***Conform Google Scholar***	A3.2/13 CGS/16 pg. 424-445 pg. 426-445	0.0186	
		AFI Osman "A Multi-parametric MRI-Based Radiomics Signature and a Practical ML Model for Stratifying Glioblastoma Patients Based on Survival Toward Precision Oncology" - Frontiers in Computational Neuroscience, 2019 https://www.frontiersin.org/articles/10.3389/fncom.2019.00058/full ***Conform Google Scholar***	A3.2/14 CGS/16 pg. 424-445 pg. 426-445	0.0186	
		Daniel E. Cahall, Ghulam Rasool, Nidhal C. Bouaynaya1 and Hassan M. Fathallah-Shaykh "Inception Modules Enhance Brain Tumor Segmentation Frontiers in Computational Neuroscience, 12 July 2019 | https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6640210/ ***Conform Google Scholar***	A3.2/15 CGS/16 pg. 424-445 pg. 426-445	0.0186	
		L Sun, S Zhang, H Chen, L Luo "Brain Tumor Segmentation and Survival Prediction Using Multimodal MRI Scans With Deep Learning" - Frontiers in Neuroscience, 2019 - frontiersin.org https://www.frontiersin.org/articles/10.3389/fnins.2019.00810/full ***Conform Google Scholar***	A3.2/16 CGS/16 pg. 424-445 pg. 426-445	0.0186	
		Jun Ma "Solution to the Kidney Tumor SegmentationChallenge 2019", 22nd International Conference on Medical Image Computing and Computer Assisted	A3.2/17 CGS/16 pg. 424-445 pg.	0.0186	

		Intervention, MICCAI 2019, http://results.kits-challenge.org/miccai2019/manuscripts/junma_1.pdf ***Conform Google Scholar***	426-445		
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		Punctaj realizat A3.1+A.3.2 = 6*8+4+2.66+1.33+0.0279+11*0.0186=	**Total**	**56.22**	

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		Punctaj realizat A3.4= 2*14+0.66+0.33+3*0.0046=	**Total**	**29.01**	
5.	**A3.5 Citări provenind din publicații categoria D (conform [6])**	**Lucrarea citată:** László Lefkovits, **Szidónia Lefkovits**, László Szilágyi "Brain Tumor Segmentation with Optimized Random Forest", in "Proceedings of the Medical Image Computing and Computer Assisted Intervention (MICCAI)"BRATS-Grand Challenge and Workshop, 17-21 October 2016	**pg. 387**		

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		M Frey, M Nau "Memory efficient brain tumor segmentation using an autoencoder-regularized U-Net"- arXiv preprint arXiv:1910.02058, 2019 ***Conform Google Scholar***	A3.6/32 CGS/16 pg. 424-445 CRG pg. 446-463	0.0023	
		S Pálsson, S Cerri, A Dittadi, K Van Leemput "Semi-Supervised Variational Autoencoder for Survival Prediction"- arXiv preprint arXiv:1910.04488, 2019 ***Conform Google Scholar***	A3.6/33 CGS/16 pg. 424-445 CRG pg. 446-463	0.0023	
		Amber L. Simpson, Michela Antonelli, Spyridon Bakas et al. "A large annotated medical image dataset for the development and evaluation of segmentation algorithms", preprint arXiv: 1902.09063, 2019	A3.6/34 CGS/16 pg. 424-445 CRG pg. 446-	0.0023	

		Conform Google Scholar	463		
		Indrajit Mazumdar "Automated Brain Tumour Segmentation Using Deep Fully Convolutional Residual Networks", preprint arXiv: 1908.04250, 2019 ***Conform Google Scholar***	A3.6/35 CGS/16 pg. 424-445 CRG pg. 446-463	0.0023	
		S Pavlov, A Artemov, M Sharaev, A Bernstein et. al. "Weakly Supervised Fine Tuning Approach for Brain Tumor Segmentation Problem" preprint arXiv: 1911.01738, 2019 ***Conform Google Scholar***	A3.6/36 CGS/16 pg. 424-445 CRG pg. 446-463	0.0023	
		Punctaj realizat A.3 6= 14+2*0.5+19*0.0023=	**Total**	**15.04**	
		Punctaj realizat total A3 56.22+28.46+29.01+25.01+15.04=	**Total**	**153.74**	

*Dovezile de realizare a activităţii se numerotează şi se indică documentul, pagina etc. pentru o identificare uşoară.

Confirm prin prezenta că datele menţionate mai sus sunt reale şi se referă la propria mea activitate profesională şi ştiinţifică. Ataşez la dosar în format tipărit / electronic toate documentele justificative care atestă rezultatele ştiinţifice declarate mai sus.

Note:

[1] SENSE journal and book publisher rankings: http://www.sense.nl/organisation/documentation

[2] Cele mai bune poziții conform clasamentelor: https://www.topuniversities.com/university-rankings, https://urapcenter.org/, http://shanghairanking.com/

[3] Pentru vizite scurte cu predare intensivă se pot face echivalări: 1 lună=16 ore de predare. Se pot acorda maximum 24 de puncte!

[4] Se acordă puncte doar pentru echipe de minimum 5 persoane, dar nu mai mult de 10% din punctajul total al perspectivei A1.

[5] Maximum 10% din punctajul total al perspectivei A1.

[6] Se aplică clasificarea comisiei de informatică din standardele minimale necesare și obligatorii pentru conferirea titlurilor didactice din învățământul superior și a gradelor profesionale de cercetare-dezvoltare.

Data _____ Semnătură candidat _____

Avizul Comisiei de verificare a îndeplinirii standardelor

_____

Obs:
În cazul neîndeplinirii standardelor minimale necesare se menționează în detaliu motivul:

_____

_____

_____

Membrii Comisiei de verificare a îndeplinirii standardelor:

_____ _____ _____

(nume, semnătură)