Fisa de verificare a standardelor minimale stabilite prin OM 6129 / 2016

Candidat **Conf. dr. ing. Raluca Didona Brehar**
Domeniul **Calculatoare si Tehnologia Informatiei**

Nr. Crt	Domeniul activ.	Categorii si restrictii		Subcategorii		Indicatori (kpi)	Numar	Punctaj
0	1	2		3		5	6	7
1	Activitatea didactica si profesionala (A1)	Carti de autor sau capitole [1] de specialitate in edituri cu ISBN	Carti / monografii	A1.1.1	internationale	50 sau 100 / nr. autori	1	33.33
				A1.1.2	nationale	50 / nr. autori	1	50
		Material didactic / lucrari didactice publicate la edituri cu ISBN	Manuale didactice	A1.2.1		40 / nr. autori	5	26.82
						Total punctaj (A1)		**110.15**
2	Activitatea de cercetare (A2)	Articole in reviste cotate ISI si lucrari in volumele unor manifestari stiintifice indexate ISI		A2.1		(25+ 30 * factor impact[3]) / nr. de autori	27	315.31
		Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale (BDI) [4]		A2.2		20 / nr. de autori	20	108.19
		Proprietate intelectuala, brevete de inventie, certificate ORDA		A2.3.1	internationale	35 / nr. de autori	0	0.00
				A2.3.2	nationale	25 / nr. de autori	0	0.00
		Granturi/proiecte de cercetare castigate prin competitie [6] sau contracte cu agenti economici in valoare de minim 10.000 dolari USA echivalent incasati [6]	Director / responsabil partener	A2.4.1.1	internationale	20 * ani de desfasurare	1	20.00
				A2.4.1.2	nationale	10 * ani de desfasurare	1	10.00
			Membru in echipa	A2.4.2.1	internationale	4 * ani de desfasurare	12	88.00
				A2.4.2.2	nationale	2 * ani de desfasurare	16	92.00
						Total punctaj (A2)		**633.50**
3	Recunoasterea si impactul activitatii (A3)	Citari [7] in carti, reviste si volume ale unor manifestari stiintifice		A3.1.1	carti, ISI [8]	8 / nr aut art. citat	132	402.00
				A3.1.2	BDI [4]	4 / nr aut art. citat	51	62.94
		Membru in colectivele de redactie sau comitetele stiintifice ale revistelor indexate ISI, chari, co-chair sau membru in comitetele de organizare ale manifestarilor stiintifice internationale indexate ISI [9]		A.3.2		10	12	120.00
		Membru in colectivele de redactie sau comitetele stiintifice ale revistelor indexate BDI, chari, co-chair sau membru in comitetele de organizare ale manifestarilor stiintifice internationale indexate BDI [4]		A3.3		6	1	6.00
		Premii in domeniu conferite de Academia Romana, ASTR, AOSR, sau premii internationale de prestigiu		A3.4		15	0	0.00
						Total punctaj (A3)		**590.94**

conform. Ordin 6129/2016

Conditii minimale Ai		Necesar Profesor(Abilitare)	Realizat
Nr.	**Domeniu de activitate (A)**		
A1	**Activitatea didactica / profesionala (A1)**	100	110.15
A2	**Activitatea de cercetare (A2)**	600	633.50
A3	**Recunoasterea impactului activitatii (A3)**	150	590.94
Total (A)		**850**	**1334.59**

Baza de date	H-index
Web of Science	7
Scopus	9
Google Scholar	12
Scor H-index	**8.6**

Conditii minimale obligatorii pe subcategorii		Necesar Profesor(Abilitare)	Realizat	
A1.1.1 - A1.1.2	**Carti de specialitate**	1 carte	**2**	
A2.1	**Articole in reviste cotate si in volumele unor manifestari stiintifice indexate ISI proceedings**	15 (3 art.ISI cotat Q1 sau Q2)	**27**	**(3 art.ISI Q1/Q2)**
A2.4.1	**Granturi / proiecte de cercetare castigate prin competitie (Director / Responsabil Partener)**	2	**2**	
A3.1.1	**Numar de citari in carti, reviste si volume ale unor manifestari stiintifice ISI (WOS) [12]**	25	**132**	
	Factor de impact ISI cumulat pentru publicatii [13]	10	**18.5**	

Candidat

Conf. dr. ing. Raluca Didona Brehar

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Anexa: datele pentru calculul indeplinirii criteriilor A1.1.1, A1.1.2, A1.2.1

A1.1.1 - Carti, monografii, capitole ca autor - internationale

Nr.	Autori	Nr. Autori	Titlu capitol / carte	Editura	Anul	Punctaj	
1	Raluca Borca-Mureșan (căs.Brehar), Sergiu Nedevschi, Florin Măguran	3	Mixtures of Classifiers for Recognizing Standing and Running Pedestrians. In: Bolc, L., Kulikowski, J.L., Wojciechowski, K. (eds) Computer Vision and Graphics. ICCVG 2008. Lecture Notes in Computer Science, vol 5337. Springer, Berlin, Heidelberg. https://doi.org/10.1007/978-3-642-02345-3_34	Springer	2009	33.33	https://search.worldcat.org/titl
			Total carti internationale		**1**	**33.33**	

A1.1.2 - Carti, monografii, capitole ca autor - nationale

Nr.	Autori	Nr. Autori	Titlu capitol / carte	Editura	Anul	Punctaj
1	Raluca Didona Brehar	1	Contributions to Feature Based PedestrianDetection Methods in Visible and InfraredMonocular Images, 2020, ISBN: 978-606-737-461-2	UTPRESS	2020	50
2						0
			Total carti nationale		**1**	**50**

A1.2.1. Manuale didactice

Nr.	Autori	Nr. Autori	Titlu	Editura	Anul	Punctaj
1	S. Nedevschi, T. Marița, R. Dănescu,F. Oniga, R. Brehar, I. Giosan, C. Vicaș	7	Procesarea imaginilor - Indrumator de laborator, ISBN 978-973-662-796-5	UTPRESS	2013	5.71
2	S. Nedevschi, T. Marița, R. Dănescu, F. Oniga, R. Brehar, I. Giosan, S. Bota, A. Ciurte, A. Vatavu	9	Image Processing - Laboratory Guide, ISBN 978-606-737-137-6 https://biblioteca.utcluj.ro/files/carti-online-cu-coperta/137-6.pdf	UTPRESS	2016	4.44

3	Sergiu NEDEVSCHI, Tiberiu MARIȚA, Radu DĂNESCU, Florin ONIGA, Raluca BREHAR, Ion GIOSAN, Cristian VANCEA, Robert VARGA	8	PROCESAREA IMAGINILOR Îndrumător de laborator, Ediția a 2-a, ISBN 978-606-737-625-8 https://biblioteca.utcluj.ro/files/carti-online-cu-coperta/625-8.pdf	UTPRESS	2023	5
4	Sergiu NEDEVSCHI, Tiberiu MARIȚA, Radu DĂNESCU, Florin ONIGA, Raluca BREHAR, Ion GIOSAN, Cristian VANCEA, Robert VARGA	8	IMAGE PROCESSING Laboratory Works, 2nd Edition, ISBN 978-606-737-626-5 https://biblioteca.utcluj.ro/files/carti-online-cu-coperta/626-5.pdf	UTPRESS	2023	5
5	Sergiu Nedevschi, Florin Oniga, Ion Giosan, Robert Varga, Raluca Brehar, Andra Petrovai	6	Pattern Recognition Systems- Laboratory Works 1st edition;	UTPRESS	2023	6.67
			Total materiale didactice		**5**	**26.82**

Anexa: datele pentru calculul indeplinirii criteriilor A2.1, A2.2

A2.1 Articole in reviste cotate si in volumele unor manifestari stiintifice indexate ISI proceedings

25 + 30* factor impact / nr. Autori

Nr.	Autori	Titlu lucrare / revista (conferinta)	Link articol	Factor impact	Nr. Autori	Punctaj
1	**Brehar Raluca Didona**., Sand, E.A., Hulea, AF., Mureşan, M.P.	Smart Vision Aid for the Blind: Enhancing Exploration. In: Gini, G., Filev, D., Precup, RE. (eds) Informatics in Control, Automation and Robotics. ICINCO 2024. Lecture Notes in Electrical Engineering, vol 1566. Springer, Cham. https://doi.org/10.1007/978-3-032-17899-2_9	https://link.springer.com/chapter/10.1007/978-3-032-17899-2_9	0.25	4	8.13
2	Darius Iulian Stan, Mihnea Bogdan Jurcă and **Brehar Raluca Didona**	"Segmentation of the Retinal Vascular Network and Biomarker Quantification in OCTA Imaging," 2025 IEEE 21st International Conference on Intelligent Computer Communication and Processing (ICCP), Cluj-Napoca, Romania, 2025, pp. 1-8, doi: 10.1109/ICCP68926.2025.11427144	https://ieeexplore.ieee.org/document/11427144	0.25	**3**	10.83
3	Laurențiu Neghină and **Brehar Raluca Didona**	"A Semi-Automated System for Face Registration and Recognition in Video Streams," 2025 IEEE 21st International Conference on Intelligent Computer Communication and Processing (ICCP), Cluj-Napoca, Romania, 2025, pp. 1-7, doi: 10.1109/ICCP68926.2025.11427157	https://ieeexplore.ieee.org/document/11427157/	0.25	2	16.25
4	Daria-Eugenia Mihaila and **Brehar Raluca Didona**	"Automatic Scoliosis Assessment via Cobb Angle Estimation using I-MedSAM-Based Instance Segmentation," 2025 IEEE 21st International Conference on Intelligent Computer Communication and Processing (ICCP), Cluj-Napoca, Romania, 2025, pp. 1-8, doi: 10.1109/ICCP68926.2025.11427165.	https://ieeexplore.ieee.org/document/11427165/	0.25	2	16.25
5	Mitrea, Delia, Brehar Raluca Itu, Razvan, Nedevschi, Sergiu, Socaciu, Mihai, Badea, Radu	Pancreatic Tumor Recognition from CT Images through Advanced Deep Learning Techniques, 2024 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS, AQTR, 2024, DOI Bookmark: 10.1109/AQTR61889.2024.10554139	https://www.computer.org/csdl/proceedings-article/aqtr/2024/10554139/1XLKc	0.25	**6**	5.42
6	**Brehar Raluca,** Andrei, B., Damian, I., Nicoara, S. D., & Groza, A. P.	Neovascular Membrane Identification in OCTA Images and Biomarker Extraction for Patients Suffering from Age-Related Macular Degeneration. In 2024 IEEE 20th International Conference on Intelligent Computer Communication and Processing (ICCP) (pp. 1-7). IEEE. doi: 10.1109/ICCP63557.2024.10792995.	https://ieeexplore.ieee.org/document/10792995/	0.25	**5**	6.50
7	Mitrea, D.-A.; Brehar Raluca .; Nedevschi, S.; Lupsor-Platon, M.; Socaciu, M.; Badea, R.	Hepatocellular Carcinoma Recognition from Ultrasound Images Using Combinations of Conventional and Deep Learning Techniques. Sensors 2023, 23, 2520. https://doi.org/10.3390/s23052520	https://doi.org/10.3390/s23052520	4.1	6	24.67
8	D. Mitrea, **Brehar Raluca,** C. Mocan, S. Nedevschi, M. Socaciu and R. Badea,	"Hepatocellular Carcinoma Recognition from Ultrasound Images by Fusing Convolutional Neural Networks at Decision Level," 2023 46th International Conference on Telecommunications and Signal Processing (TSP), Prague, Czech Republic, 2023, pp. 238-243, doi: 10.1109/TSP59544.2023.10197722.	https://ieeexplore.ieee.org/document/10197722	0.25	6	5.42
9	**Brehar Raluca Didona**; Babut, RO; Fuzes, A ; Danescu, R	Outdoor Traffic Scene Risk Estimation in the Context of Autonomous Driving, 2022 IEEE 18TH INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTER COMMUNICATION AND PROCESSING, ICCP, doi: 10.1109/ICCP56966.2022.10053957	https://ieeexplore.ieee.org/document/10053957	0.25	4	8.13

Q2

10	**Brehar Raluca Didona,** M. P. Muresan, T. Mariţa, C. -C. Vancea, M. Negru and S. Nedevschi	Pedestrian Street-Cross Action Recognition in Monocular Far Infrared Sequences, in IEEE Access, vol. 9, pp. 74302-74324, 2021, doi: 10.1109/ACCESS.2021.3080822.	https://ieeexplore.ieee.org/document/9432859	4.3	6	25.67	Q2
11	Brehar Raluca, Mitrea D-A, Vancea F, Marita T, Nedevschi S, Lupsor-Platon M, Rotaru M, Badea RI.	Comparison of Deep-Learning and Conventional Machine-Learning Methods for the Automatic Recognition of the Hepatocellular Carcinoma Areas from Ultrasound Images, Sensors. 2020; 20(11):3085 https://doi.org/10.3390/s20113085	https://www.mdpi.com/1424-8220/20/11/3085	4.1	8	18.50	Q1
12	Brehar Raluca . Vancea, F. , Marita, T, Vancea, C.C., Nedevschi, S.	Object Detection in Monocular Infrared Images Using Classification - Regresion Deep Learning Architectures, in 2019 IEEE 15TH INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTER COMMUNICATION AND PROCESSING (ICCP 2019), pp. 207-212,2019 , doi: 10.1109/ICCP48234.2019.8959763	https://ieeexplore.ieee.org/document/8959763	0.25	5	6.50	
13	Brehar Raluca , D. Mitrea, S. Nedevschi, M. Platon Lupsor, M. Rotaru and R. Badea	Hepatocellular Carcinoma Recognition in Ultrasound Images Using Textural Descriptors and Classical Machine Learning, in 2019 IEEE 15th International Conference on Intelligent Computer Communication and Processing (ICCP 2019), Cluj-Napoca, Romania, 2019, pp. 491-497, doi: 10.1109/ICCP48234.2019.8959755.	https://ieeexplore.ieee.org/document/8959755	0.25	6	5.42	
14	A. Marginean, Brehar Raluca and M. Negru,	Understanding pedestrian behaviour with pose estimation and recurrent networks," 2019 6th International Symposium on Electrical and Electronics Engineering (ISEEE), Galati, Romania, 2019, pp. 1-6, doi: 10.1109/ISEEE48094.2019.9136126.	https://ieeexplore.ieee.org/document/9136126	0.25	3	10.83	
15	D. Mitrea, Brehar Raluca , P. Mitrea, S. Nedevschi, M. Platon(Lupşor), R. Badea	"The Role of Convolutional Neural Networks in the Automatic Recognition of the Hepatocellular Carcinoma, Based on Ultrasound Images", 2018 6TH INTERNATIONAL CONFERENCE ON ADVANCEMENTS OF MEDICINE AND HEALTH CARE THROUGH TECHNOLOGY, MEDITECH 2018, OCT 17-20, 2018, Cluj-Napoca, Romania, Volume: 71, Pages: 169-175, DOI: 10.1007/978-981-13-6207-1_27	https://link.springer.com/chapter/10.1007/978-981-13-6207-1_27	0.25	6	5.42	
16	Brehar Raluca , F. Vancea, T. Mariţa and S. Nedevschi,	A Deep Learning Approach For Pedestrian Segmentation In Infrared Images," 2018 IEEE 14th International Conference on Intelligent Computer Communication and Processing (ICCP), Cluj-Napoca, 2018, pp. 253-258, doi: 10.1109/ICCP.2018.8516630.	https://ieeexplore.ieee.org/document/8516630	0.25	4	8.13	
17	Brehar Raluca , C. Vancea, F. Oniga, M. Negru and S. Nedevschi	"A study of the impact of HOG and LBP based temporal association on far infrared pedestrian detection," 2016 IEEE 12th International Conference on Intelligent Computer Communication and Processing (ICCP), Cluj-Napoca, 2016, pp. 263-268, doi: 10.1109/ICCP.2016.7737157.	https://ieeexplore.ieee.org/abstract/document/7737157	0.25	5	6.50	
18	Brehar Raluca , C. Vancea, T. Mariţa, I. Giosan and S. Nedevschi,	"Pedestrian detection in the context of multiple-sensor data alignment for far-infrared and stereo vision sensors," 2015 IEEE International Conference on Intelligent Computer Communication and Processing (ICCP), Cluj-Napoca, 2015, pp. 385-392, doi: 10.1109/ICCP.2015.7312690.	https://ieeexplore.ieee.org/document/7312690	0.25	5	6.50	

19	Muresan, Mircea Paul; Brehar Raluca ; Nedevschi, Sergiu	Vision algorithms and embedded solution for pedestrian detection with far infrared camera," 2014 IEEE 10th International Conference on Intelligent Computer Communication and Processing (ICCP), Cluj Napoca, 2014, pp. 133-136, doi: 10.1109/ICCP.2014.6936965.	https://ieeexplore.ieee.org/document/6936965	0.25	3	10.83
20	Brehar Raluca ; Nedevschi, Sergiu	Scan window based pedestrian recognition methods improvement by search space and scale reduction," 2014 IEEE Intelligent Vehicles Symposium Proceedings, Dearborn, MI, 2014, pp. 529-534, doi: 10.1109/IVS.2014.6856571.	https://ieeexplore.ieee.org/	0.25	2	16.25
21	Brehar Raluca ; Nedevschi, Sergiu	"Pedestrian detection in infrared images using HOG, LBP, gradient magnitude and intensity feature channels," 17th International IEEE Conference on Intelligent Transportation Systems (ITSC), Qingdao, 2014, pp. 1669-1674, doi: 10.1109/ITSC.2014.6957933.	https://ieeexplore.ieee.org/document/6957933	0.25	2	16.25
22	Brehar Raluca ; Vancea, Cristian; Nedevschi, Sergiu	"Pedestrian detection in infrared images using Aggregated Channel Features," 2014 IEEE 10th International Conference on Intelligent Computer Communication and Processing (ICCP), Cluj Napoca, 2014, pp. 127-132, doi: 10.1109/ICCP.2014.6936964.	https://ieeexplore.ieee.org/document/6936964	0.25	3	10.83
23	Brehar Raluca ; Nedevschi, Sergiu	"Pedestrian detection in traffic scenes using multi-attitude classifiers," 16th International IEEE Conference on Intelligent Transportation Systems (ITSC 2013), The Hague, 2013, pp. 1077-1082, doi: 10.1109/ITSC.2013.6728375.	https://ieeexplore.ieee.org/document/6728375	0.25	2	16.25
24	I. Toma, M. Chezan, Brehar Raluca , S. Nedevschi and D. Fensel,	"SIM, a Semantic Instrumentation and Monitoring Solution for Large Scale Reasoning Systems," 2011 IEEE Fifth International Conference on Semantic Computing, Palo Alto, CA, 2011, pp. 118-124, doi: 10.1109/ICSC.2011.49.	https://ieeexplore.ieee.org/document/6061420	0.25	5	6.50
25	R. Borca-Muresan (cas.Brehar), S. Nedevschi,	"Correlation between features and classifiers for semantic understanding of pedestrian attitudes in traffic scenes," 2009 IEEE 5th International Conference on Intelligent Computer Communication and Processing, Cluj-Napoca, 2009, pp. 149-152, doi: 10.1109/ICCP.2009.5284770	https://ieeexplore.ieee.org/document/5284770	0.25	2	16.25
26	Barbantan, I., Vidrighin, C., Borca, R. (cas. Brehar)	An offline system for handwritten signature recognition (2009) Proceedings - 2009 IEEE 5th International Conference on Intelligent Computer Communication and Processing, ICCP 2009, art. no. 5284793, pp. 3-10.	https://ieeexplore.ieee.org/document/5284793	0.25	3	10.83
27	Borca-Mureşan, R. (cas. Brehar), Nedevschi, S.	Meta-classifier for pedestrian attitude recognition (2008) Proceedings - 2008 IEEE 4th International Conference on Intelligent Computer Communication and Processing, ICCP 2008, art. no. 4648351, pp. 33-40.	https://ieeexplore.ieee.org/document/4648351/	0.25	2	16.25
			Factor impact cumulat	**18.5**		
			Total punctaj A2.1		**27**	**315.31**

A2.2. Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale (BDI) 20 / nr. de autori

Nr.	Autori	Titlu lucrare / revista (conferinta)	Link articol	Baza de date	Nr. Autori	Punctaj
1	Brehar Raluca Didona., Mitrea D.-A., Nedevschi S., Moisoiu T., Elec F.I., Socaciu M.A.	Kidney Tumor Segmentation and Grade Identification in CT Images (2023) Proceedings - 2023 IEEE 19th International Conference on Intelligent Computer Communication and Processing Conference, ICCP 2023, pp. 293 - 300, DOI: 10.1109/ICCP60212.2023.10398718	https://ieeexplore.ieee.org/document/10398718/	IEEE	6	3.33
2	Brehar Raluca Didona., Elena-Andreea S.	A Vision Based System for Assisting Blind People at Indoor and Outdoor Exploration (2024) Proceedings of the International Conference on Informatics in Control, Automation and Robotics, 2, pp. 54 – 65, DOI: 10.5220/0012973100003822	https://www.scitepress.org/Link.aspx?doi=10.5220/0012973100003822	DBLP	2	10.00
3	Brehar Raluca, Flavia M., Füzes A., Dănescu R.	A Vision Based Warning System for Safe Distance Driving with Respect to Cyclists (2024) Proceedings of the International Conference on Informatics in Control, Automation and Robotics, 2, pp. 190 – 196, DOI: 10.5220/0012984000003822	https://dblp.org/rec/conf/icinco/BreharFFD24.html	DBLP	4	5.00
4	Brehar Raluca Didona., Coblişan G., Füzes A., Dănescu R.	Driver Attention Estimation Based on Temporal Sequence Classification of Distracting Contexts (2023) Proceedings of the International Conference on Informatics in Control, Automation and Robotics, 1, pp. 578 - 585, DOI: 10.5220/0012160200003543	https://dblp.org/rec/conf/icinco/BreharCFD23.html	DBLP	4	5.00
5	Brehar Raluca and Groza, Adrian and Damian, Ioana and Muntean, George and Nicoara, Simona Delia,	"Age-Related Macular Degeneration Biomarker Segmentation from OCT images", Brehar Raluca and Groza, Adrian and Damian, Ioana and Muntean, George and Nicoara, Simona Delia, 24th International Conference on Control Systems and Computer Science (CSCS23), IEEE, pp. 444--451, 2023	https://ieeexplore.ieee.org/document/10214815	IEEE	5	4.00
6	Mitrea, D., Brehar Raluca ., Nedevschi, S., Socaciu, M., Badea, R.	Hepatocellular Carcinoma Recognition from Ultrasound Images Through Convolutional Neural Networks and Their Combinations. In: Vlad, S., Roman, N.M. (eds) 8th International Conference on Advancements of Medicine and Health Care Through Technology. MEDITECH 2022. IFMBE Proceedings, vol 102. Springer, Cham. https://doi.org/10.1007/978-3-031-51120-2_1	https://link.springer.com/chapter/10.1007/978-3-031-51120-2_1	Springer	5	4.00
7	Brehar Raluca , T. Marita, M. Negru, S. Nedevschi,	Pedestrian Identification in Infrared and Visible Images Based on Pose Keypoints Matching, Journal of Physics: Conference Series, Open AccessVolume 1780, Issue 111 February 2021 Article no. 0120332020 International Symposium on Automation, Mechanical and Design Engineering, SAMDE 2020, 26 December 2020 - 28 December 2020	https://iopscience.iop.org/article/10.1088/1742-6596/1780/1/012033	Scopus	4	5.00
8	R. D. Brehar, C. C. Vancea, M. P. Mureşan, S. Nedevschi and R. Dănescu,	Pose Based Pedestrian Street Cross Action Recognition in Infrared Images," 2021 IEEE 17th International Conference on Intelligent Computer Communication and Processing (ICCP), Cluj-Napoca, Romania, 2021, pp. 41-46, doi: 10.1109/ICCP53602.2021.9733650.	https://ieeexplore.ieee.org/document/9733650	IEEE	5	4.00

9	Cosma, C., Brehar Raluca ., Nedevschi, S.	Pedestrians detection using a cascade of LBP and HOG classifiers, in Proceedings - 2013 IEEE 9th International Conference on Intelligent Computer Communication and Processing, ICCP 2013, art. no. 6646084, pp. 69-75.	https://ieeexplore.ieee.org/document/6646084	IEEE	3	6.67
10	Tomasev, N., Pracner, D., Brehar Raluca ., Radovanovic, M., Mladenic, D., Ivanovic, M., Nedevschi, S.	Object recognition in wikimage data based on local invariant image features (2013) Proceedings - 2013 IEEE 9th International Conference on Intelligent Computer Communication and Processing, ICCP 2013, art. no. 6646097, pp. 139-146.	https://ieeexplore.ieee.org/document/6646097	IEEE	7	2.86
11	Brehar Raluca , S. Nedevschi,	"Local information statistics of LBP and HOG for pedestrian detection," 2013 IEEE 9th International Conference on Intelligent Computer Communication and Processing (ICCP), Cluj-Napoca, Romania, 2013, pp. 117-122, doi: 10.1109/ICCP.2013.6646093.	https://ieeexplore.ieee.org/document/6646093	IEEE	2	10.00
12	Cosma, A.C., Brehar Raluca ., Nedevschi, S.	Part-based pedestrian detection using HoG features and vertical symmetry (2012) Proceedings - 2012 IEEE 8th International Conference on Intelligent Computer Communication and Processing, ICCP 2012, art. no. 6356190, pp. 229-236.	https://ieeexplore.ieee.org/document/6356190/	IEEE	3	6.67
13	Krummenacher, R., Toma, I., Fensel, D., Brehar Raluca ., Nedevschi, S.	Instrumenting and monitoring the LarKC reasearch infrastructure (2011), IST 2011, art. no. 6107361	https://dblp.org/rec/conf/semco/TomaCBNF11	DBLP	5	4.00
14	Toma, I., Chezan, M., Brehar Raluca ., Nedevschi, S., Fensel, D.	SIM, a Semantic Instrumentation and Monitoring solution for large scale reasoning systems (2011) Proceedings - 5th IEEE International Conference on Semantic Computing, ICSC 2011, art. no. 6061420, pp. 118-124.	https://ieeexplore.ieee.org/document/6061420	IEEE	5	4.00
15	Brehar Raluca ., Nedevschi, S.	A comparative study of pedestrian detection methods using classical Haar and HoG features versus bag of words model computed from Haar and HoG features (2011) Proceedings - 2011 IEEE 7th International Conference on Intelligent Computer Communication and Processing, ICCP 2011, art. no. 6047884, pp. 299-306.	https://ieeexplore.ieee.org/document/6047884/	IEEE	2	10.00
16	Tomašev, N., Brehar Raluca ., Mladenić, D., Nedevschi, S.	The influence of hubness on nearest-neighbor methods in object recognition (2011) Proceedings - 2011 IEEE 7th International Conference on Intelligent Computer Communication and Processing, ICCP 2011, art. no. 6047899, pp. 367-374.	https://ieeexplore.ieee.org/document/6047899/	IEEE	4	5.00
17	Brehar Raluca ., Giosan, I., Vatavu, A., Negru, M., Nedevschi, S.	Modeling the behavior of large scale reasoning systems using clustering and regression (2011) Proceedings - 2011 IEEE 7th International Conference on Intelligent Computer Communication and Processing, ICCP 2011, art. no. 6047863, pp. 163-169.	https://ieeexplore.ieee.org/document/6047863/	IEEE	5	4.00

18	Toma, I., Chezan, M., Brehar Raluca ., Nedevschi, S., Fensel, D.	SIM, a semantic instrumentation and monitoring solution for large scale reasoning systems (2011) Proceedings - 2011 IEEE 7th International Conference on Intelligent Computer Communication and Processing, ICCP 2011, art. no. 6047861, pp. 151-156.	https://ieeexplore.ieee.org/document/6047861/	IEEE	5	4.00
19	Brehar Raluca ., Fortuna, C., Bota, S., Mladenic, D., Nedevschi, S.	Spatio-temporal reasoning for traffic scene understanding (2011) Proceedings - 2011 IEEE 7th International Conference on Intelligent Computer Communication and Processing, ICCP 2011, art. no. 6047901, pp. 377-384.	https://ieeexplore.ieee.org/document/6047901/	IEEE	5	4.00
20	Brehar Raluca ., Nedevschi, S., Dăian, L.	Pillars detection for side viewed vehicles (2010) Proceedings - 2010 IEEE 6th International Conference on Intelligent Computer Communication and Processing, ICCP10, art. no. 5606430, pp. 247-250.	https://ieeexplore.ieee.org/document/5606430	IEEE	3	6.67
			Total punctaj A2.2		**20**	**108.19**

Anexa: datele pentru calculul indeplinirii criteriilor A2.3.1, A2.3.2

A2.3.1 Proprietate intelectuala, brevete de inventie, certificate ORDA - Internationale - Punctaj: 35 / nr. Autori 35 / nr. de autori

Nr.	Tip	Denumire	Anul	Nr. Autori	Punctaj
					0
		Total punctaj A2.3.1		**0**	**0**

A2.3.2 Proprietate intelectuala, brevete de inventie, certificate ORDA - nationale - Punctaj: 25 / nr. Autori 25 / nr. de autori

Nr.	Tip	Denumire	Anul	Nr. Autori	Punctaj
					0
		Total punctaj A2.3.2		**0**	**0**

Anexa: datele pentru calculul indeplinirii criteriilor A2.4.1.1, A2.4.1.2, A2.4.2.1, A2.4.2.2

A2.4.1.1 Granturi/proiecte castigate prin competitie: Director Proiect - internationale 20 * Nr. Ani

Nr.	Tip: nat / internat.	Denumire proiect	Perioada	Nr. Ani	Punctaj
1	International	Browning Control In Domestic Ovens Through Computer Vision Technology" - C-CDI-2021, AB Electrolux (2021-2022)	2021-2022	1	20
		Total punctaj A2.4.1.1		**1**	**20**

A2.4.1.2 Granturi/proiecte castigate prin competitie: Director Proiect - nationale 10*Nr. Ani

Nr.	Tip: nat / internat.	Denumire proiect	Perioada	Nr. Ani	Punctaj
1	National	"Detecția obiectelor în imagini monoculare termale FIR pentru viziune pe timp de noapte", GnaC 2018 ARUT – (2019-2020)	2019-2020	1	10
		Total punctaj A2.4.1.2		**1**	**10**

A2.4.2.1 Granturi/proiecte castigate prin competitie: membru in echipa - Internationale 4 * Nr. Ani

Nr.	Tip: nat / internat.	Denumire proiect	Perioada	Nr. Ani	Punctaj
1	International	Understanding Human Behavior for Video Surveillance Applications - Billateral Collaboration Project with Institute Stefan Josef, Slovenia	2010-2011	2	8
2	International	LarKC - LarKC: The Large Knowledge Collider, European FP7 project	2010-2011	2	8
3	International	Pan-Robots, "Plug and Navigate ROBOTS for smart factories", European FP7 project	2012-2015	3	12
4	International	CoMoSef (2012-2015) -Co-operative Mobility Services of the Future, Celtic Plus European project, Servicii ale Viitorului pentru Mobilitate prin Cooperare" - Inovare_EUREKA 322E/2012, (2012-2015)	2012-2015	3	12
5	International	BOSCH (2015 - 2016) Image processing based on stereo and mono cameras for Driver Assistance Systems, research project funded by Robert Bosch GmbH	2015-2016	2	8

6	International	Educație și consiliere în carieră pentru scăderea ratei de abandon la Facultatea de Automatică și Calculatoare, Universitatea Tehnică din Cluj-Napoca – ROSE – Can, Program european, Codul proiectului: AG239/SGU/NC/II	2019-2022	4	16
7	International	Shape and Volume estimation of food objects from a single 2D image in Domestic Ovens Through Computer Vision Technology, Electrolux 31229/28.10.2021, Anexa B1	2021-2022	1	4
8	International	Transilvania Digital Innovation Hub, EUROPEAN COMMISSION, Directorate-General for Communications Networks, Content and Technology CNECT.A – Artificial Intelligence and Digital Industry, A.4 – Digital Transformation of Industrial Ecosystems Call: DIGITAL-2021-EDIH-01; Topic: DIGITAL-2021-EDIH-INITIAL-01; Type of action: DIGITAL Simple Grants, contract no. 101083508	2024-2025	1	4
9	International	Dense STEREO-Based Object Tracking and Classification for Pre-Crash-Applications, STEREOCLASS, research project funded by Volkswagen AG, Germany, (2008)	2008	1	4
10	International	Dense Stereo-Based Object Tracking and Pedestrian Recognition For Pre-Crash Applications,STEREOPED, research project funded by Volkswagen AG, Germany, (2007)	2007	1	4
11	International	Stereo-Based Object Tracking and Pedestrian Recognition in Traffic environments, DESPED, research project funded by Volkswagen AG, Germany	2006-2007	1	4
12	International	DESBOR –Dense Stereo-Based Object Recognition system for automatic cruise control (ACC) in urban traffic environments research project funded by Volkswagen AG, Germany	2006-2007	1	4
		Total punctaj A2.4.2.1		**12**	**88**

A2.4.2.2 Granturi/proiecte castigate prin competitie: membru in echipa - nationale

2*Nr. Ani

Nr.	Tip: nat / internat.	Denumire proiect	Perioada	Nr. Ani	Punctaj
1	National	”Romanian Hub for Artificial Intelligence-HRIA”, Smart Growth, Digitization and Financial Instruments, Program, MySMIS no. 351416.	2025-2029	5	10

2	National	SmartCoDrive(2012-2016) - Co-operative Advanced Driving Assistance System Based on Smart Mobile Platforms and Road Side Units, national research project.	2012-2016	4	8
3	National	MULTISPECT - Multispectral environment perception by fusion of 2D and 3D sensorial data from the visible and infrared spectrum", PN-III-ID-PCE-2016-1, (2017-2019)	2017-2019	3	6
4	National	"Unealta pentru procesarea si analiza asistata de calculator a imaginilor mamografice" (M-ASSIST) , PN-III-P2-2.1-CI-2018-1362 , nr. 235CI／2018	2018	1	2
5	National	IMPROVE - Abordare inovativa de mare precizie privind tratamentul intraoperator asistat robotic al tumorilor hepatice pe baza diagnosticului integrat imagistic-molecular", PCCDI59, (2018-2020)	2018-2021	3	6
6	National	Platformă hibridă de comunicații prin lumină vizibilă și realitate augmentată pentru dezvoltarea de sisteme inteligente de asistență și siguranță activă a autovehiculelor - CarSafe, 21PCCDI/2018	2018-2021	3	6
7	National	Contract cu tertii nr. AA 1 la N-AC-CDI 100/08.01.2018, cu titlul "*Procesarea imaginilor pe baza camerelor Stereo si Mono pentru sistemele de asistenta a conducatorilor auto*", contract finantat de Robert Bosch SRL	2018	1	2
8	National	New Optical Coherence Tomography Biomarkers Identified with Deep Learning for Risk Stratification of Patients with Age-related Macular Degeneration, DeLArMaD, PED 616	2022-2024	2	4
9	National	Diagnoza automată şi asistată de calculator a tumorilor abdominale, prin metode avansate de analiză şi recunoaştere, pe baza imaginilor medicale (ACADTUM), Tinere Echipe Independente (TE) 156/2022	2022-2024	2	4
10	National	CLOUDUT Project, cofunded by the European Fund of Regional Development through the Competitiveness Operational Programme 2014-2020, contract no. 235/2020 and partly supported by a grant from the Ministry of Research and Innovation, CNCS—UEFISCDI, project number PN-III-P4-ID-PCE2020-1700.	2014-2020	4	8

11	National	Modelarea, Estimarea si Gestionarea Situatiilor Periculoase prin Analiza Continua a Sistemului Sofer-Vehicul-Mediu (MEDALS), PN-III-P4-ID-PCE-2020-1700	2021-2023	3	6
12	National	Algoritm de diagnostic stadial şi de predicţie a evoluţiei fibrozei hepatice folosind tehnici ultrasonografice non-invazive, optimizat prin analiza stocastica şi de imagini – SONOFIBROCAST", PNII - Program 4, Contract 41-071/2007 (2007-2010)	2007-2010	3	6
13	National	"Tratamentul tumorilor renale prin criochirurgie laparoscopica, individualizat prin simulare pe model tridimensional reconstituit – CRIOLAPSIM", Program CEEX, Contract nr. 121/2006.	2006-2008	3	6
14	National	"Ficatul gras nealcoolic, hepatita virală C şi litiaza biliară - Componente ale sindromului metabolic. Epidemiologie clinică, aspecte patogenetice, mijloace neinvazive de diagnostic – FINALISM", Program CEEX, Contract nr. 94/2006	2006-2008	3	6
15	National	PERCEPTIA SENZORIALA, MODELAREA SI REPREZENTAREA MODELULUI LUMII PENTRU SISTEME DE ASISTARE A CONDUCERII Cod proiect ID_1522, Contract 693/2009, Persens	2009-2011	3	6
16	National	PERCEPȚIA MULTI-SCALARĂ ŞI MULTI-MODALĂ A MEDIILOR 3D DINAMICE PRIN FUZIUNEA DATELOR DE STEREOVIZINE DENSĂ, FLUX OPTIC DENS ŞI ODOMETRIE VIZUALĂ, MULTISENS, Cod proiect: PN-II-ID-PCE-2011-3-1086, Contract 344 din 01/01/2012	2012-2016	3	6
		Total punctaj A2.4.2.2		**16**	**92**

Anexa: datele pentru calculul indeplinirii criteriilor A3.1.1, A3.1.2

A3.1.1 Citari in carti, reviste si volume ale unor manifestari stiintifice - Carti, ISI

Nr.	Articol citat	Articol care citeaza	Nr. autori art.citat	Punctaj	obs
1	Mitrea D-A, Brehar R, Nedevschi S, Lupsor-Platon M, Socaciu M, Badea R. Hepatocellular Carcinoma Recognition from Ultrasound Images Using Combinations of Conventional and Deep Learning Techniques. Sensors. 2023; 23(5):2520. https://doi.org/10.3390/s23052520	Yan L, Li Q, Fu K, Zhou X, Zhang K. Progress in the Application of Artificial Intelligence in Ultrasound-Assisted Medical Diagnosis. Bioengineering. 2025; 12(3):288. https://doi.org/10.3390/bioengineering12030288	5	3.2	Q2
		Se-Yeol Rhyou, Jae-Chern Yoo,Automated ultrasonography of hepatocellular carcinoma using discrete wavelet transform based deep-learning neural network, Medical Image Analysis, Volume 101, 2025, 103453, ISSN 1361-8415,https://doi.org/10.1016/j.media.2025.103453.	2	8	Q1
		S. Usha, V.J. Arulkarthick, K. Srihari, P. Mayil Vel Kumar, Hepatocellular carcinoma recognition from ultrasound images with pixelated disparity based deep CNN based fire hawk optimizer, Biomedical Signal Processing and Control, Volume 103, 2025, 107401,ISSN 1746-8094,https://doi.org/10.1016/j.bspc.2024.107401.	4	4	Q1
		Mostafa, G., Mahmoud, H., Abd El-Hafeez, T. et al. The power of deep learning in simplifying feature selection for hepatocellular carcinoma: a review. BMC Med Inform Decis Mak 24, 287 (2024). https://doi.org/10.1186/s12911-024-02682-1	4	4	Q2
		Zhou, H., Ding, J., Zhou, Y. et al. Malignancy diagnosis of liver lesion in contrast enhanced ultrasound using an end-to-end method based on deep learning. BMC Med Imaging 24, 68 (2024). https://doi.org/10.1186/s12880-024-01247-y	12	1.34	Q2
		Wei Q, Tan N, Xiong S, Luo W, Xia H, Luo B. Deep Learning Methods in Medical Image-Based Hepatocellular Carcinoma Diagnosis: A Systematic Review and Meta-Analysis. Cancers. 2023; 15(23):5701. https://doi.org/10.3390/cancers15235701	6	2.66	Q2
		Zhang, H., Meng, Z., Ru, J. et al. Application and prospects of AI-based radiomics in ultrasound diagnosis. Vis. Comput. Ind. Biomed. Art 6, 20 (2023). https://doi.org/10.1186/s42492-023-00147-2	5	3.2	Q2
		Wang, K., Chen, X. Y., Liu, W. D., Yue, Y., Wen, X. L., Yang, Y. S., ... & Zhu, H. L. (2023). Imaging investigation of hepatocellular carcinoma progress via monitoring γ-glutamyltranspeptidase level with a near-infrared fluorescence/photoacoustic bimodal probe. Analytical Chemistry, 95(38), 14235-14243.	8	2	Q1
		Singh, S., Hoque, S., Zekry, A. et al. Radiological Diagnosis of Chronic Liver Disease and Hepatocellular Carcinoma: A Review. J Med Syst 47, 73 (2023). https://doi.org/10.1007/s10916-023-01968-7	4	4	Q2

1	R. D. Brehar, M. P. Muresan, T. Marița, C. -C. Vancea, M. Negru and S. Nedevschi, "Pedestrian Street-Cross Action Recognition in Monocular Far Infrared Sequences," in IEEE Access, vol. 9, pp. 74302-74324, 2021, doi: 10.1109/ACCESS.2021.3080822.	J. Bai, J. Fang, Y. Lv, C. Lv, J. Xue and Z. Li, "Gating Syn-to-Real Knowledge for Pedestrian Crossing Prediction in Safe Driving," in IEEE Transactions on Intelligent Transportation Systems, doi: 10.1109/TITS.2025.3554767.	6	2.66	Q1
		S. Chi, H. -G. Chi, Q. Huang and K. Ramani, "InfoGCN++: Learning Representation by Predicting the Future for Online Skeleton-Based Action Recognition," in IEEE Transactions on Pattern Analysis and Machine Intelligence, vol. 47, no. 1, pp. 514-528, Jan. 2025, doi: 10.1109/TPAMI.2024.3466212	4	4	Q1
		Feng Y, Carballo A, Fujii K, Karlsson R, Ding M, Takeda K. MulCPred: Learning Multi-Modal Concepts for Explainable Pedestrian Action Prediction. Sensors. 2024; 24(20):6742. https://doi.org/10.3390/s24206742	6	2.66	Q2
		Li, N., Zhang, D., Li, Y., & Zhang, Q. (2024). Repetitive assembly basic action detection and standard work measurement based on deep learning. International Journal of Computer Integrated Manufacturing, 38(5), 696–714. https://doi.org/10.1080/0951192X.2024.2372281	4	4	Q2
		Choi C-H, Han J, Cha J, Choi H, Shin J, Kim T, Oh HW. Contrast Enhancement Method Using Region-Based Dynamic Clipping Technique for LWIR-Based Thermal Camera of Night Vision Systems. Sensors. 2024; 24(12):3829. https://doi.org/10.3390/s24123829	7	2.28	Q2
		K. Kitchat et al., "PedCross: Pedestrian Crossing Prediction for Auto-Driving Bus," in IEEE Transactions on Intelligent Transportation Systems, vol. 25, no. 8, pp. 8730-8740, Aug. 2024, doi: 10.1109/TITS.2024.3379421.	10	1.6	Q1
		N. Lv, Y. Huang, H. Zhang and F. Wu, "Pedestrian Crossing Prediction With Pathwise Feature Fusion and Stacked Gate Recurrent Unit," in IEEE Sensors Letters, vol. 8, no. 2, pp. 1-4, Feb. 2024, Art no. 6001304, doi: 10.1109/LSENS.2024.3349396.	4	2	
		Y. Wang, Y. Niu, W. Zhu, W. Chen, Q. Li and T. Wang, "Predicting Pedestrian Crossing Behavior at Unsignalized Mid-Block Crosswalks Using Maximum Entropy Deep Inverse Reinforcement Learning," in IEEE Transactions on Intelligent Transportation Systems, vol. 25, no. 5, pp. 3685-3698, May 2024, doi: 10.1109/TITS.2023.3326276.	6	2.66	Q1
		Liu, Fugang, Duan, Songnan, Juan, Wang: “A pedestrian trajectory prediction method based on improved LSTM network”, IET Image Processing, vol. 18, issue 2, https://doi.org/10.1049/ipr2.12954	3	2.67	
		Y. Zhou, G. Tan, R. Zhong, Y. Li and C. Gou, "PIT: Progressive Interaction Transformer for Pedestrian Crossing Intention Prediction," in IEEE Transactions on Intelligent Transportation Systems, vol. 24, no. 12, pp. 14213-14225, Dec. 2023, doi: 10.1109/TITS.2023.3309309.	5	3.2	Q1
		Abrar Alali, Stephan Olariu, Shubham Jain,”ADOPT: A system for Alerting Drivers to Occluded Pedestrian Traffic,”, Vehicular Communications, Volume 41, 2023, 100601, ISSN 2214-2096, https://doi.org/10.1016/j.vehcom.2023.100601.(https://www.sciencedirect.com/science/article/pii/S2214209623000311)	6	2.66	Q1

		Farooq, MA ; Shariff, W; Corcoran, P, “Evaluation of Thermal Imaging on Embedded GPU Platforms for Application in Vehicular Assistance Systems”, IEEE TRANSACTIONS ON INTELLIGENT VEHICLES, Volume8, Issue2, Page1130-1144, DOI10.1109/TIV.2022.3158094, PublishedFEB 2023	6	2.66	Q1
		By:Li, SB (Li, Shangbin) [1] ; Liu, Y (Liu, Yu) [1], “Human motion recognition based on Nano-CMOS Image sensor”, MATHEMATICAL BIOSCIENCES AND ENGINEERING, Volume20, Issue6, Page10135-10152, DOI10.3934/mbe.2023444 Published 2023	6	1.33	
		Ding, M; Chen, WH and Cao, YF, “Thermal Infrared Single-Pedestrian Tracking for Advanced Driver Assistance System”, IEEE TRANSACTIONS ON INTELLIGENT VEHICLES, Volume8, Issue1, Page814-824, DOI10.1109/TIV.2022.3140344, PublishedJAN 2023	6	2.66	Q1
		Căilean, A.-M.; Beguni, C.; Avătămăniței, S.-A.; Dimian, M.; Popa, V. Design, Implementation and Experimental Investigation of a Pedestrian Street Crossing Assistance System Based on Visible Light Communications. Sensors 2022, 22, 5481. https://doi.org/10.3390/s22155481	6	2.66	Q2
		M. Ding, Y. Ding, L. Wei, Y. Xu and Y. Cao, "Individual Surveillance Around Parked Aircraft at Nighttime: Thermal Infrared Vision-Based Human Action Recognition," in IEEE Transactions on Systems, Man, and Cybernetics: Systems, vol. 53, no. 2, pp. 1084-1094, Feb. 2023, doi: 10.1109/TSMC.2022.3192017.	6	2.66	Q1
		T. Xue, Z. Zhang, W. Ma, Y. Li, A. Yang and T. Ji, "Nighttime Pedestrian and Vehicle Detection Based on a Fast Saliency and Multifeature Fusion Algorithm for Infrared Images," in IEEE Transactions on Intelligent Transportation Systems, vol. 23, no. 9, pp. 16741-16751, Sept. 2022, doi: 10.1109/TITS.2022.3193086.	6	2.66	Q1
		Guo Z, Ying S. Whole-Body Keypoint and Skeleton Augmented RGB Networks for Video Action Recognition. Applied Sciences. 2022; 12(12):6215. https://doi.org/10.3390/app12126215	6	2.66	Q2
		Muresan, M.P.; Nedevschi, S.; Danescu, R. Robust Data Association Using Fusion of Data-Driven and Engineered Features for Real-Time Pedestrian Tracking in Thermal Images. Sensors 2021, 21, 8005. https://doi.org/10.3390/s21238005	6	2.66	Q2
		Zhou, X.; Ke, R.; Yang, H.; Liu, C. When Intelligent Transportation Systems Sensing Meets Edge Computing: Vision and Challenges. Appl. Sci. 2021, 11, 9680. https://doi.org/10.3390/app11209680	6	1.33	
		Wang X, Li R, Chen J, Han D, Wang M, Xiong H, Ding W, Zheng Y, Xiong K, Zeng Y. Choroidal vascularity index (CVI)-Net-based automatic assessment of diabetic retinopathy severity using CVI in optical coherence tomography images. J Biophotonics. 2023 Jan 12:e202200370. doi: 10.1002/jbio.202200370. Epub ahead of print. PMID: 36633529.	8	2	Q2
		Candita, G.; Rossi, S.; Cwiklinska, K.; Fanni, S.C.; Cioni, D.; Lencioni, R.; Neri, E. Imaging Diagnosis of Hepatocellular Carcinoma: A State-of-the-Art Review. Diagnostics 2023, 13, 625. https://doi.org/10.3390/diagnostics13040625	8	2	Q2
		Shao J, Zhu J, Jin K, Guan X, Jian T, Xue Y, Wang C, Xu X, Sun F, Si K, Gong W, Ye J. End-to-End Deep-Learning-Based Diagnosis of Benign and Malignant Orbital Tumors on Computed Tomography Images. J Pers Med. 2023 Jan 23;13(2):204. doi: 10.3390/jpm13020204. PMID: 36836437; PMCID: PMC9960119.	8	2	Q2

2	Brehar R, Mitrea DA, Vancea F, Marita T, Nedevschi S, Lupsor-Platon M, Rotaru M, Badea RI. Comparison of Deep-Learning and Conventional Machine-Learning Methods for the Automatic Recognition of the Hepatocellular Carcinoma Areas from Ultrasound Images. Sensors (Basel). 2020 May 29;20(11):3085. doi: 10.3390/s20113085. PMID: 32485986; PMCID: PMC7309124.	Pellat A, Barat M, Coriat R, Soyer P, Dohan A. Artificial intelligence: A review of current applications in hepatocellular carcinoma imaging. Diagn Interv Imaging. 2023 Jan;104(1):24-36. doi: 10.1016/j.diii.2022.10.001. Epub 2022 Oct 19. PMID: 36272931.	8	2	Q1
		Xiao, Z.; Du, M.; Liu, J.; Sun, E.; Zhang, J.; Gong, X.; Chen, Z. EA-UNet Based Segmentation Method for OCT Image of Uterine Cavity. Photonics 2023, 10, 73. https://doi.org/10.3390/photonics10010073	8	1	
		Yiming Xu, Bowen Zheng, Xiaohong Liu, Tao Wu, Jinxiu Ju, Shijie Wang, Yufan Lian, Hongjun Zhang, Tong Liang, Ye Sang, Rui Jiang, Guangyu Wang, Jie Ren, Ting Chen, Improving artificial intelligence pipeline for liver malignancy diagnosis using ultrasound images and video frames, Briefings in Bioinformatics, Volume 24, Issue 1, January 2023, bbac569, https://doi.org/10.1093/bib/bbac569	8	2	Q1
		Bao XL, Sun YJ, Zhan X, Li GY. Orbital and eyelid diseases: The next breakthrough in artificial intelligence? Front Cell Dev Biol. 2022 Nov 18;10:1069248. doi: 10.3389/fcell.2022.1069248. PMID: 36467418; PMCID: PMC9716028.	8	2	Q2
		Martinino, A.; Aloulou, M.; Chatterjee, S.; Scarano Pereira, J.P.; Singhal, S.; Patel, T.; Kirchgesner, T.P.-E.; Agnes, S.; Annunziata, S.; Treglia, G.; Giovinazzo, F. Artificial Intelligence in the Diagnosis of Hepatocellular Carcinoma: A Systematic Review. J. Clin. Med. 2022, 11, 6368. https://doi.org/10.3390/jcm11216368	8	2	Q2
		Tian G, Xu D, He Y, Chai W, Deng Z, Cheng C, Jin X, Wei G, Zhao Q, Jiang T. Deep learning for real-time auxiliary diagnosis of pancreatic cancer in endoscopic ultrasonography. Front Oncol. 2022 Oct 7;12:973652. doi: 10.3389/fonc.2022.973652. PMID: 36276094; PMCID: PMC9586286.	8	2	Q2
		Micucci, M.; Iula, A. Recent Advances in Machine Learning Applied to Ultrasound Imaging. Electronics 2022, 11, 1800. https://doi.org/10.3390/electronics11111800	8	1	
		Mousa Moradi, Xian Du, Tianxiao Huan, and Yu Chen, "Feasibility of the soft attention-based models for automatic segmentation of OCT kidney images," Biomed. Opt. Express 13, 2728-2738 (2022)	8	2	Q2
		Christou CD, Tsoulfas G. Role of three-dimensional printing and artificial intelligence in the management of hepatocellular carcinoma: Challenges and opportunities. World J Gastrointest Oncol. 2022 Apr 15;14(4):765-793. doi: 10.4251/wjgo.v14.i4.765. PMID: 35582107; PMCID: PMC9048537.	8	1	
		Aljabri, M., AlAmir, M., AlGhamdi, M. et al. Towards a better understanding of annotation tools for medical imaging: a survey. Multimed Tools Appl 81, 25877–25911 (2022). https://doi.org/10.1007/s11042-022-12100-1	8	2	Q2
		Clara Balsano, Anna Alisi, Maurizia R. Brunetto, Pietro Invernizzi, Patrizia Burra, Fabio Piscaglia, Domenico Alvaro, Ferruccio Bonino, Marco Carbone, Francesco Faita, Alessio Gerussi, Marcello Persico, Silvano Junior Santini, Alberto Zanetto, The application of artificial intelligence in hepatology: A systematic review, Digestive and Liver Disease, Volume 54, Issue 3, 2022, Pages 299-308, ISSN 1590-8658, https://doi.org/10.1016/j.dld.2021.06.011.	8	2	Q2

		Tran, J., Sharma, D., Gotlieb, N. et al. Application of machine learning in liver transplantation: a review. Hepatol Int 16, 495–508 (2022). https://doi.org/10.1007/s12072-021-10291-7	8	2	Q1
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		Cretu, A.-M., Payeur, P., Laganière, R. An application of a bio-inspired visual attention model for the localization of vehicle parts (2015) Applied Soft Computing Journal, 31, pp. 369-380.	3	5.34	Q1
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19	Barbantan, I., Vidrighin, C., Borca, R. (cas. Brehar), "An offline system for handwritten signature recognition", (2009) Proceedings - 2009 IEEE 5th International Conference on Intelligent Computer Communication and Processing, ICCP 2009, art. no. 5284793, pp. 3-10.	Mohammed, R.A., Nabi, R.M., Mahmood, S.M.-R., Nabi, R.M. State-of-the-art in handwritten signature verification system (2016) Proceedings - 2015 International Conference on Computational Science and Computational Intelligence, CSCI 2015, art. no. 7424147, pp. 519-525.	3	2.67	
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Total punctaj A3.1.1 132 402

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Nr.	Articol citat	Articol care citeaza	Nr. autori art.citat	Punctaj
	Brehar, R., Groza, A., Damian, I., Muntean, G., & Nicoară, S. D. (2023, May). Age-related macular degeneration biomarker segmentation from OCT images. In 2023 24th International Conference on Control Systems and Computer Science (CSCS) (pp. 444-451). IEEE.	Wu, Z., Wu, Q., Fang, W., Ou, W., Wang, Q., Zhang, L., ... & Li, H. (2024). Harmonizing Unets: Attention Fusion module in cascaded-Unets for low-quality OCT image fluid segmentation. Computers in Biology and Medicine, 183, 109223.	9	0.44
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				0
			Total punctaj A3.1.2	**51**	**62.94**

Anexa: datele pentru calculul indeplinirii criteriilor A3.3.1, A3.3.2, A3.3.3

A3.2 Membru in colectivele de redactie sau comitetele stiintifice ale revistelor indexate ISI, chair, co-chair sau membru in comitetele de organizare ale manifestarilor stiintifice internationale [9]

Nr.	Nume Jurnal	URL	Anul
1	IEEE Intelligent Computer Communication and Processing - Program Committee	https://www.iccp.ro/iccp2024/organizing-committee	2025
1	36 th IEEE INTELLIGENT VEHICLES SYMPOSIUM (IV 2025)	https://ieee-iv.org/2025/committees/	2025
1	IEEE Intelligent Computer Communication and Processing - Program Committee	https://www.iccp.ro/iccp2024/organizing-committee	2024
2	IEEE Intelligent Computer Communication and Processing - Program Committee	https://www.iccp.ro/iccp2023/organizing-committee	2023
3	IEEE Intelligent Computer Communication and Processing - Program Committee	https://www.iccp.ro/iccp2020/iccp2020/index.php/program-committee.html	2022
4	IEEE Intelligent Computer Communication and Processing - Program Committee		2021
5	IEEE Intelligent Computer Communication and Processing - Program Committee		2020
6	IEEE Intelligent Computer Communication and Processing - Program Committee	http://www.iccp.ro/iccp2018/index.php/program-committee.html	2019
7	IEEE Intelligent Computer Communication and Processing - Program Committee	http://www.iccp.ro/iccp2019/index.php/program-committee.html	2018
8	IEEE Intelligent Computer Communication and Processing – co-chair	http://www.iccp.ro/iccp2015/index.php/technical-program.html	2015

9	IEEE Intelligent Computer Communication and Processing – co-chair	http://www.iccp.ro/iccp2016/index.php/technical-program.html	2016
10	IEEE Intelligent Computer Communication and Processing – co-chair	http://www.iccp.ro/iccp2017/index.php/technical-program.html	2017

Total Punctaj A3.2 **12**

A3.3 Membru in colectivele de redactie sau comitetele stiintifice ale revistelor indexate BDI, chair, co-chair sau membru in comitetele de organizare ale manifestarilor stiintifice internationale indexate BdI [4]

Nr.	Nume Jurnal	URL	Anul	
1	ICINCO 2024, 21st International Conference on Informatics In Control, Automation and Robotics	https://www.insticc.org/node/technicalprogram/icinco/2024/persons	2024	chair
2				

Total Punctaj A3.3 **1**

Anexa: datele pentru calculul indeplinirii criteriilor A3.4.1, A3.4.2

A3.4 Premii in domeniu conferite de Academia Romana, ASTR, AOSR, sau premii internationale de prestigiu

Nr.	Anul	Descriere premiu
1		

Total Punctaj A3.4 **0**

A3.4.2 Premii nationale in domeniu

Nr.	Anul	Descriere premiu
1		

Total Punctaj A3.4.1 **0**