FIȘA DE VERIFICARE PRIVIND ÎNDEPLINIREA STANDARDELOR STABILITE DE IOSUD-UNITBV PENTRU ACORDAREA ATESTATULUI DE ABILITARE ÎN DOMENIUL INFORMATICĂ

CANDIDAT Conf. dr. Alexandra Băicoianu

Doctor în Informatică

Titlul tezei de doctorat *Some Other Issues in Discrete Optimization*, Facultatea de Matematică și Informatică, Universitatea Babeș-Bolyai din Cluj-Napoca, ordin 3148/30.01.2017

Perspectiva	**Praguri și valori minime**	**Punctaj realizat**	**Observații**
b)	A*+A ≥ 24 puncte	32.5	
	A*+A+B ≥ 40 puncte	64.5	
	A*+A+B+C	64.5 + 41.82 = 106.32	
c)	A* + A	68.66	
	A* + A + B >= 40 puncte	68.66 + 86.66 = 155.32	
	A* + A + B + C >= 120 puncte	155.32 + 61.16 = 216.48	
d)	>= 60 puncte Minim un proiect, cu echipă de cel puțin 2 (doi) membri, obținut de candidat prin competiție la nivel național sau internațional.	79	Componentele fără punctaj au fost neclare ca încadrare. S-au considerat criteriile din Anexa la Ordinul nr. 6129/2016.

Perspectiva b), producţia ştiinţifică

Nr. crt.	Articol	Categorie	Puncte
	Categoria A		
1	A. Băicoianu, C. Gavrilă, C.M. Păcurar, V. Păcurar *Fractal interpolation in the context of prediction accuracy optimization* Engineering Applications of Artificial Intelligence, 2024 10.14569/IJACSA.2019.0100514, 2024 https://www.sciencedirect.com/science/article/pii/S0952197624005384?dgcid=rss_sd_all	Q1	4
2	I.C. Plajer, A. Băicoianu, L. Majercsik, M. Ivanovici *Multisource Remote Sensing Data Visualization using Machine Learning* IEEE Transactions on Geoscience and Remote Sensing, 2024 DOI: 10.1109/TGRS.2024.3372639 https://ieeexplore.ieee.org/document/10458686	Q1	4
3	A. Băicoianu, C.M. Păcurar, M. Păun *A Concretization of an Approximation Method for Non-Affine Fractal Interpolation Functions* Mathematics, 2021 https://doi.org/10.3390/math9070767	Q1	8
4	S. Catrina, A. Băicoianu *Quantum Tunneling: From Theory to Error-Mitigated Quantum Simulation* Advanced Quantum Technologies, 2024 https://onlinelibrary.wiley.com/doi/10.1002/qute.202400163 https://doi.org/10.1002/qute.202400163 WOS: 001317063500001	Q1	8
5	A. Băicoianu, I.C. Plajer, M. Debu, M. Ștefan, M. Ivanovici, C. Florea, A. Cațaron, R. M. Coliban, Ș. Popa, Ș. Oprișescu, A. Racovițeanu, Gh. Olteanu, K. Marandskiy, A. Ghinea, A. Kazak, L. Majercsik, A. Manea, L. Dogar *DACIA5: a Sentinel-1 and Sentinel-2 dataset for agricultural crop identification applications* Big Earth Data, 2025 https://www.tandfonline.com/doi/full/10.1080/20964471.2025.2512685 https://doi.org/10.1080/20964471.2025.2512685	Q1	0.5
6	M.M. Catrina, I. C. Plajer, A. Baicoianu *Multi-Texture Synthesis through Signal Responsive Neural Cellular Automata* arXiv preprint arXiv:2407.05991 (2024) Scientific Reports Acceptat și în curs de publicare	Q1	8

Categoria B			
1	R. I. Luca, A. Băicoianu, I. C. Plajer *Spectral Image Data Aggregation for Multisource Data Augmentation* European Journal of Remote Sensing, 2025 https://www.tandfonline.com/doi/full/10.1080/22797254.2025.2492295 https://doi.org/10.1080/22797254.2025.2492295	Q2	4
2	S. Catrina, M. Catrina, A. Băicoianu, I.C. Plajer *Learning about Growing Neural Cellular Automata* IEEE Access, 2024 Print ISSN: 2169-3536, Online ISSN: 2169-3536 DOI: 10.1109/ACCESS.2024.3382541 https://ieeexplore.ieee.org/abstract/document/10480399	Q2	2
3	R. Bocu, A. Băicoianu, A. Kerestely *An Extended Survey Concerning the Significance of Artificial Intelligence and Machine Learning Techniques for Bug Triage and Management* IEEE Access, 2023 DOI 10.1109/ACCESS.2023.3329732 https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=10305170	Q2	4
4	A. Vântu, A. Vasilescu, A. Băicoianu *Medical Emergency Department Triage Data Processing using a Machine-Learning Solution* Heliyon, 2023 ISSN 2405-8440, https://doi.org/10.1016/j.heliyon.2023.e18402	Q2	4
5	D.S. Caliman, V. David, A. Băicoianu *An Analysis of Improving Bug Fixing in Software Development* In Proceedings of the 18th International Conference on Software Technologies – ICSOFT, 2023 ISBN 978-989-758-665-1; ISSN 2184-2833, SciTePress, pages 470-477, DOI: 10.5220/0012119500003538 https://www.scitepress.org/Papers/2023/121195/121195.pdf	B	2
6	A. Kerestely, A. Băicoianu, R. Bocu *A research study on running machine learning algorithms on Big Data with Spark* The 14 International Conference on Knowledge Science Engineering and Management, 2021 https://link.springer.com/chapter/10.1007/978-3-030-82136-4_25	B	4
7	A.B. Lixandru, S. Gorobievschi, A. Băicoianu *Acoustic modeling for indoor spaces using Ray-Tracing method* The 14 International Conference on Knowledge Science Engineering and Management, 2021 https://link.springer.com/chapter/10.1007/978-3-030-82147-0_48	B	4
8	S. Ghivirigă, B. Budescu, A. Băicoianu	B	4

	The assessment of datasets in the context of object classification from photos Proceedings of the 31st International Business Information Management Association Conference, 2018 Innovation Management and Education Excellence through Vision 2020, pp. 2056–2064 https://ibima.org/accepted-paper/the-assessment-of-data-sets-in-the-context-of-object-classification-from-photos-using-convolutional-neural-networks/ WOS: 000449306700020		
9	A. Băicoianu *About innovation and optimization with Logical Analysis of Data and WEKA* Proceedings of the 28th International Business Information Management Association Conference - Vision 2020: Innovation Management, Development Sustainability, and Competitive Economic Growth, pp. 4157–4169 ISBN: 978-0-9860419-8-3, https://ibima.org/accepted-paper/innovation-optimization-logical-analysis-data-weka/ SCOPUS + https://0a10qggz5-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000392785700416	B	4
Categoria C			
1	S. Y. Shin, F. Pastore, D. Bianculli, A. Băicoianu *Towards Generating Executable Metamorphic Relations Using Large Language Models* Quality of Information and Communications Technology, 2024 DOI: 10.1007/978-3-031-70245-7_9 https://link.springer.com/book/10.1007/978-3-031-70245-7#page=146	C	1
2	I.A. Moise, A. Băicoianu *Optimizing Intensive Database Tasks Through Caching Proxy Mechanisms* ICSOFT, 2024 DOI: 10.5220/0012754600003753 Proceedings of ICSOFT 2024, ISBN: 978-989-758-706-1 https://www.scitepress.org/Papers/2024/127546/127546.pdf	C	1
3	I. C. Plajer, A. Băicoianu, L. Majercsik, M. Ivanovici *NDVI Computation from Hyperspectral Images* 2023 13th Workshop on Hyperspectral Imaging and Signal Processing: Evolution in Remote Sensing (WHISPERS) DOI: 10.1109/WHISPERS61460.2023.10431225 https://ieeexplore.ieee.org/document/10431225	C	1
4	I. C. Plajer, A. Băicoianu, L. Majercsik *AI-Based Visualization of Remotely-Sensed Spectral Images* International Symposium on Signals, Circuits and Systems (ISSCS), 2023 DOI 10.1109/ISSCS58449.2023.10190908 https://ieeexplore.ieee.org/document/10190908 SCOPUS	C	2

5	M. R. Raia, A. Ailincăi, A. Băicoianu, C. Husar, C. Irimia *Condition Monitoring of Industrial Elevators Based on Machine Learning Models* 28th International Conference on Emerging Technologies and Factory Automation (ETFA), 2023 DOI 10.1109/ETFA54631.2023.10275563 SCOPUS https://ieeexplore.ieee.org/document/10275563	C	0.66
6	A. Băicoianu, I.C. Plajer *Considerations on efficient lexical analysis in the context of compiler design* Bulletin of the Transilvania University of Brasov Series III Mathematics and Computer Science, 2023 DOI 10.31926/but.mif.2023.3.65.2.14 https://webbut.unitbv.ro/index.php/Series_III/article/view/6679	C	2
7	A. Băicoianu, A. Garofide, R.I. Luca, M. Vlădărean *Structural Optimization Using Genetic Algorithms* International Conference on INnovations in Intelligent SysTems and Applications (INISTA), 2022 https://ieeexplore.ieee.org/document/9894243	C	1
8	A. Băicoianu, P. Stănoiu, M.N. Velea, C. Husar *A Machine Learning Proposal for Condition Monitoring of Vehicle Suspension* International Conference on INnovations in Intelligent SysTems and Applications (INISTA), 2022 https://ieeexplore.ieee.org/document/9894160	C	1
9	T. Aranyi, A. Băicoianu, I.C. Plajer *Deterministic finite automata for brachycephaly risk estimation in dog breeding* Bulletin of the Transilvania University of Brasov Series III Mathematics and Computer Science, 2021 2065-2151, 2065-216X(CD) https://webbut.unitbv.ro/index.php/Series_III/article/view/856	C	2
10	A. Băicoianu, A. Mathe *Diagnose bearing failures with machine learning models* International Conference on INnovations in Intelligent SysTems and Applications (INISTA), 2021 DOI: 10.1109/INISTA52262.2021.9548506 https://ieeexplore.ieee.org/document/9548506	C	2

11	C. Antonya, C. Husar, S. Butnariu, S. Butnariu, C. Pozna, A. Băicoianu *Driver-in-the-loop simulator of electric vehicles* Automotive and Integrated Transport Systems - AITS, IOP Publishing, 2021 https://link.springer.com/chapter/10.1007/978-3-031-23721-8_11 CSUM && Springer chapter	C	0.5
12	A. Băicoianu, M. Demeter, A. Vasilescu *Innovative Air Quality System with Emergency Notifications* Bulletin of the Transilvania University of Brasov Series III Mathematics and Computer Science, 2019 2065-2151, 2065-216X(CD) SCOPUS	C	2
13	A. Băicoianu *Implementing smart applications using genetic algorithms* Bulletin of the Transilvania University of Brasov Series III Mathematics and Computer Science, 2017 https://www.proquest.com/openview/4854e5cb0b92cca8891a90db1182b984/1?pq-origsite=gscholar&cbl=105972 https://webbut.unitbv.ro/index.php/Series_III/article/view/1812 SCOPUS	C	2
14	A. Băicoianu, I.V. Scheianu *Managing and Optimizing Big Data Workloads for Producing On-demand User Centric Reports* Big Data and Cognitive Computing, 2023 https://www.mdpi.com/2504-2289/7/2/78 WOS:001014096200001 Volume7, Issue2 DOI 10.3390/bdcc7020078 SCOPUS	Q3	2
15	B. Hanganu, L.A. Radu, A. Băicoianu *Machine Learning for Condition Monitoring: Latest Trend and Review* Proceedings of the 35th International Business Information Management Association, 2020 ISBN: 978-0-9998551-4-0 https://ibima.org/accepted-paper/machine-learning-for-condition-monitoring-latest-trend-and-review/ WOS: 000661489803090	C	2
16	A. Băicoianu *A Comparative Study of Some Classification Algorithms using WEKA and LAD Algorithm* Annals of the Tiberiu Popoviciu Seminar of Functional Equations, Approximation and Convexity, 2014 https://atps.tucn.ro/html/index2.html ISSN 1584-4536, Volume 12, 2014, pp. 73-81	C	2

17	C. Dobre, M. Lopătaru, A. Băicoianu, I. C. Plajer *Automata concepts over game design process* Bulletin of the Transilvania University of Brasov Series III Mathematics and Computer Science, 2024 https://webbut.unitbv.ro/index.php/Series_III/article/view/7588	C	1
18	I. Rădulescu, A. Băicoianu, A. Mihai *Conformal Transformation of Kernels: A Geometric Perspective on Text Classification* https://arxiv.org/pdf/2406.00499 Acceptat, în curs de publicare la *Facta Universitatis-Series Mathematics and Informatics*	Q3	2
19	A. Băicoianu, R. Ivan, I. Popa *Exploiting cellular automata and linear regression to predict disease spread* *Bulletin of the Transilvania University of Brasov. Series III: Mathematics and Computer Science, 2024* *https://webbut.unitbv.ro/index.php/Series_III/article/view/8774* *SCOPUS*	C	2
20	A. Cherdivar, I. Popa, A. Băicoianu *Parametric structural optimization using genetic algorithms* 21st International Conference on Applied Computing (C core), 2024 https://www.iadisportal.org/ac-icwi-2024-proceedings	C	2
21	I.C. Plajer, A. Băicoianu, M. Ivanovici *Multispectral Image Visualization and NDVI-based Anomaly Detection* Bulletin of the Transilvania University of Brasov. Series III: Mathematics and Computer Science, 2025 Acceptat, în curs de publicare	C	2
22	L. Majercsik, A. Băicoianu, I.C. Plajer *Crop-Specific Effects of Data Augmentation on Classification Accuracy in Sentinel-2 Imagery* International Conference on Engineering of Modern Electric Systems (EMES), 2025 https://ieeexplore.ieee.org/abstract/document/11045604/authors#authors https://www.scopus.com/pages/publications/105010522514	C	2
23	I. Vlascu, A. Băicoianu *CNN-Based Violence Detection: Evaluation and Experiments* International Conference on Engineering of Modern Electric Systems (EMES), 2025 https://ieeexplore.ieee.org/abstract/document/11045585 https://www.scopus.com/pages/publications/105010523940	C	2
24	T.C. Negură, I. Popa, A. Băicoianu *Race Line Optimization with Metaheuristics* 17-th International Symposium on Signals, Circuits and Systems, 2025	C	2

	https://ieeexplore.ieee.org/abstract/document/11105638		
25	I. Vlascu, A. Băicoianu, M. Ivanovici *Improving CNN-based Video Violence Detection* 17-th International Symposium on Signals, Circuits and Systems, 2025 https://ieeexplore.ieee.org/abstract/document/11105596	C	2
26	A. Băicoianu, D. Pescaru, D. Sasu, C. Husar, R. Luca, L.P. Larsen *Integrated Digital Platform for Marine Energy Management* 2024 IEEE International Conference on Electrical Systems for Aircraft, Railway, Ship Propulsion and Road Vehicles and International Transportation Electrification Conference, 2024 WOS https://www.webofscience.com/wos/woscc/full-record/WOS:001450909900004 https://ieeexplore.ieee.org/document/10819756	C	0.5
27	I.C. Plajer, A. Băicoianu, M. Debu, M. Ștefan, M. Ivanovici, C. Florea, A. Ghinea, L. Majercsik *Multi-Year Multi-Crop Correlation Analysis in Brasov Area* International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences – ISPRS, 2025 https://www.scopus.com/pages/publications/105008421418	C	0.16

Perspectiva c), impactul rezultatelor (citări)

	Articol citat	**Articol care citează**	**Categ**	**Pct**
1	D. Marinescu, A. Băicoianu, S. Dimitriu *Software for plagiarism detection in computer source code* 2012, Proc. of the 7th International Conference on Virtual Learning ICVL	*Retrieving and classifying instances of source code plagiarism* https://link.springer.com/article/10.1007/s10791-017-9313-y Information Retrieval Journal	B	4
		Uncovering source code reuse in large-scale academic environments https://onlinelibrary.wiley.com/doi/10.1002/cae.21608 COMPUTER APPLICATIONS IN ENGINEERING EDUCATION	C	2
		Source Code Plagiarism Detection Using Biological String Similarity Algorithms https://www.worldscientific.com/doi/abs/10.1142/S0219649214500282 Journal of Information & Knowledge Management SCOPUS	C	2
		PAN@FIRE: Overview of SOCO Track on the Detection of SOurce COde Re-use https://downloads.webis.de/pan/publications/papers/flores_2014.pdf CEUR Workshop Proceedings, 1587 SCOPUS	C	2
		Source Code Plagiarism Detection Based on Abstract Syntax Tree Fingerprintings https://ieeexplore.ieee.org/abstract/document/9960266 International Joint Conference 2022 - 17th International Joint Symposium on Artificial Intelligence and Natural Language Processing, iSAI-NLP 2022 and 3rd International Conference on Artificial Intelligence and Internet of Things, AIoT 2022, SCOPUS	C	2
2	D. Marinescu, A. Băicoianu, S. Dimitriu *A Plagiarism Detection System in Computer Source Code* 2013, International Journal of Computer Science Research and Application	*Cross-language source code re-use detection using latent semantic analysis* https://cris.unibo.it/handle/11585/707686 https://personales.upv.es/prosso/resources/FloresEtAl_CERI14long.pdf Journal of Universal Computer Science	C	2
		Efficient clustering-based source code plagiarism detection using PIY https://link.springer.com/article/10.1007/s10115-014-0742-2 Knowledge and Information Systems	B	4

3	A. Băicoianu *About innovation and optimization with Logical Analysis of Data and WEKA* 2016, Proceedings of the 28th International Business Information Management Association Conference - Vision 2020: Innovation Management, Development Sustainability, and Competitive Economic Growth	https://ibima.org/accepted-paper/multidimensional-data-representation-and-design-practices-for-marketing-databases/ Proceedings of the 30th International Business Information Management Association Conference, IBIMA 2017 - Vision 2020: Sustainable Economic development, Innovation Management, and Global Growth, 2017-January, pp. 5071–5080 SCOPUS, CORE 2018	B	4
4	A. Băicoianu, R. Pîndaru, A. Vasilescu *Upon the performance of a Haskell parallel implementation* 2013, Bulletin of the Transilvania University of Brasov Series III Mathematics and Computer Science	*Upon the Haskell support for the web applications development* https://www.researchgate.net/publication/315972384_Upon_the_Haskell_support_for_the_web_applications_development Analele Universitatii Ovidius Constanta - Seria Matematica https://www.anstuocmath.ro/ https://www.anstuocmath.ro/volume-xxiii-2015-fascicola-1.html	C	2
5	A. Băicoianu, I.V. Scheianu *Managing and Optimizing Big Data Workloads for Producing On-demand User Centric Reports* 2023, Big Data and Cognitive Computing	*"Nodes of Problems" as a Component of the Smart Technology of City Monitoring as a Dynamic System* https://www.researchgate.net/publication/376623586_Nodes_of_Problems_as_a_Component_of_the_Smart_Technology_of_City_Monitoring_as_a_Dynamic_System/references In book: Smart Technologies in Urban Engineering Part of the Lecture Notes in Networks and Systems book series (LNNS, volume 808) SCOPUS	C	2
6	C. Antonya, C. Husar, S. Butnariu, S. Butnariu, C. Pozna, A. Băicoianu *Driver-in-the-Loop Simulator of Electric Vehicles* 2023, CSUM, Springer chapter	*Personalized Driving Styles in Safety-Critical Scenarios for Autonomous Vehicles: An Approach Using Driver-in-the-Loop Simulations* https://www.researchgate.net/publication/373891895_Personalized_Driving_Styles_in_Safety-Critical_Scenarios_for_Autonomous_Vehicles_An_Approach_Using_Driver-in-the-Loop_Simulations SCOPUS Vehicles, https://www.mdpi.com/journal/vehicles	C	0.5
7	L. Carabulea, C. Pozna, C. Antonya, C. Husar, A.	*Autonomous Vehicle with Emergency Braking Algorithm Based on Multi-Sensor Fusion and Super*	B	1.33

	Băicoianu *The influence of the Advanced Emergency Braking System in critical scenarios for autonomous vehicles* Automotive and Integrated Transport Systems - AITS, IOP Publishing	*Twisting Speed Controller* https://www.academia.edu/100896692/Autonomous_Vehicle_with_Emergency_Braking_Algorithm_Based_on_Multi_Sensor_Fusion_and_Super_Twisting_Speed_Controller Applied Sciences, MDPI, https://www.mdpi.com/journal/applsci		
		IoT-Enabled Automotive Software Development through Integration of Engine Control Unit Signals for Adaptive Autonomous Emergency Braking https://ieeexplore.ieee.org/document/10837716 https://www.scopus.com/pages/publications/85218157050	C	0.66
8	A. Băicoianu, A. Mathe *Diagnose bearing failures with machine learning models* 2021, International Conference on INnovations in Intelligent SysTems and Applications (INISTA)	*Predictive Bearing Maintenance Based on Transfer Learning with Preprocessing and Machine Learning Models Analysis* https://ieeexplore.ieee.org/document/9988804/references#references ICT-PEP 2022 - International Conference on Technology and Policy in Energy and Electric Power: Advanced Technology for Transitioning to Sustainable Energy and Modern Power Systems, Proceedings, pp. 198–203 SCOPUS	C	2
		Real-time intelligent fault diagnosis of rotating machines based on Archimedes algorithm optimised Gradient Boosting Nondestructive Testing and Evaluation https://www.tandfonline.com/doi/ref/10.1080/10589759.2023.2274015?scroll=top	Q2	4
9	A. Băicoianu, P. Stănoiu, M.N. Velea, C. Husar *A Machine Learning Proposal for Condition Monitoring of Vehicle Suspension* 2022, International Conference on INnovations in Intelligent SysTems and Applications (INISTA)	*Event Data Recorder And Transmitter For Vehicular Mishap Analysis Based On Sensor* https://ieeexplore.ieee.org/abstract/document/10128628/references#references 2023 International Conference on Computer Communication and Informatics (ICCCI) SCOPUS	B	2
		Artificial Intelligence-Driven Vehicle Fault Diagnosis to Revolutionize Automotive Maintenance: A Review Computer Modeling in Engineering & Sciences https://www.researchgate.net/publication/384420975_Artificial_Intelligence-Driven_Vehicle_Fault_Diagnosis_to_Revolutionize_Automotive_Maintenance_A_Review/references	B	2
10	A. Băicoianu *A Comparative Study of Some Classification Algorithms using WEKA*	*CREDIT CARD DEFAULT PREDICTIVE MODEL USING MACHINE LEARNING CLASSIFICATION TECHNIQUE* https://www.researchgate.net/profile/Marilou-Espina/publication/375759063_CREDIT_CARD_DEFAUL	C	2

	and LAD Algorithm 2014, Annals of the Tiberiu Popoviciu Seminar of Functional Equations, Approximation and Convexity	T_PREDICTIVE_MODEL_USING_MACHINE_LEARNING_CLASSIFICATION_TECHNIQUE/links/655b362ab86a1d521bf9d6d6/CREDIT-CARD-DEFAULT-PREDICTIVE-MODEL-USING-MACHINE-LEARNING-CLASSIFICATION-TECHNIQUE.pdf SCIENCE INTERNATIONAL https://www.isindexing.com/isi/viewjournal.php http://www.sci-int.com/ IF 2.4, indexed WOS		
11	A. Băicoianu, M. Demeter, A. Vasilescu *Innovative Air Quality System with Emergency Notifications* 2019, Bulletin of the Transilvania University of Brasov Series III Mathematics and Computer Science	*Air Quality Monitoring and IoT- Past and Future* https://ieeexplore.ieee.org/abstract/document/9197927/references#references ICRITO 2020 - IEEE 8th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions), pp. 703–706, 9197927 SCOPUS	C	2
12	I.C. Plajer, A. Băicoianu, L. Majercsik *AI-Based Visualization of Remotely-Sensed Spectral Images* 2023, International Symposium on Signals, Circuits and Systems (ISSCS)	*Hyperspectral Image Segmentation and Entropy Calculation for Qualitative Analysis of Grassland* https://ieeexplore.ieee.org/abstract/document/10190944 International Symposium on Signals, Circuits and Systems (ISSCS) SCOPUS	C	2
		Digital Transformation, Springer Chapter https://www.researchgate.net/publication/383329594_Digital_Transformation_in_Agriculture/references	C	2
13	A. Băicoianu, C.M Păcurar, M. Păun *A Concretization of an Approximation Method for Non-Affine Fractal Interpolation Functions* 2021, Mathematics	Improve Fuzzy Inventory Model of Fractal Interpolation with Vertical Scaling Factor https://sciencetechindonesia.com/index.php/jsti/article/view/832 https://www.scopus.com/pages/publications/85174069602	C	2
14	A. Băicoianu *Implementing smart applications using genetic algorithms* 2017, Bulletin of the Transilvania University of Brasov Series III Mathematics and Computer Science	*An Evolutionary Computing Solution to the Jump It Problem* https://dl.acm.org/doi/abs/10.1145/3374135.3385308 ACMSE 2020 - Proceedings of the 2020 ACM Southeast Conference, pp. 272–275, 3385308 SCOPUS + indexare pe WoS	C	2

15	A. Vântu, A. Vasilescu, A. Băicoianu *Medical Emergency Department Triage Data Processing using a Machine-Learning Solution* 2023, Heliyon	*February 6th, Kahramanmaraş earthquakes and the disaster management algorithm of adult emergency medicine in Turkey: An experience review* https://journals.lww.com/tjem/fulltext/2024/24020/february_6th,_kahramanmara__earthquakes_and_the.2.aspx Turkish Journal of Emergency Medicine	Q1	8
		Multisource data framework for prehospital emergency triage in real-time IoMT-based telemedicine systems https://www.researchgate.net/publication/383570923_Multisource_data_framework_for_prehospital_emergency_triage_in_real-time_IoMT-based_telemedicine_systems/references International Journal of Medical Informatics	Q1	8
		AI in medicine: an introduction to the potential benefits and challenges, and why doctors need to be involved https://www.webofscience.com/wos/woscc/full-record/WOS:001320684500001?AlertId=af700da0-87c3-41b2-a58b-dc52bcdb6aba https://obgyn.onlinelibrary.wiley.com/doi/epdf/10.1111/tog.12950 OBSTETRICIAN & GYNAECOLOGIST	Q3	2
		The Evolution of Artificial Intelligence in Medical Imaging: From Computer Science to Machine and Deep Learning https://www.mdpi.com/2072-6694/16/21/3702 Cancers - MDPI	Q2	4
		Predictive Analysis of Hypertensive Heart Disease Using a Machine Learning Approach https://www.researchgate.net/publication/385955805_Predictive_Analysis_of_Hypertensive_Heart_Disease_Using_a_Machine_Learning_Approach/references International Conference on ICT for Smart Society (ICISS) https://www.scopus.com/pages/publications/85211811291	C	2
		Ambulance Routing Optimization for CT-Ready Hospitals Conference: 2024 6th Novel Intelligent and Leading Emerging Sciences Conference (NILES) https://www.scopus.com/pages/publications/85212585531	C	2
		Uncovering Judgment Biases in Emergency Triage: A Public Health Approach Based on Large Language Models https://hal.science/hal-04846735v1/file/_ML4H__Uncovering_Judgment_Biases_in_Emergency_Triage_with_LLMs___Camera_Read	C	2

		y%20%281%29.pdf https://www.scopus.com/pages/publications/85219199408		
		From data to diagnosis: evaluation of machine learning models in predicting kidney stones https://www.researchgate.net/publication/389138334_From_data_to_diagnosis_evaluation_of_machine_learning_models_in_predicting_kidney_stones/references NEURAL COMPUTING & APPLICATIONS	Q2	4
		Improving triage performance in emergency departments using machine learning and natural language processing: a systematic review https://bmcemergmed.biomedcentral.com/articles/10.1186/s12873-024-01135-2 *BMC EMERGENCY MEDICINE*	Q2	4
		Factors affecting attitude and intention to adopt artificial intelligence for sustainable triage: An exploratory study of emergency department staff https://www.researchgate.net/publication/390948756_Factors_affecting_attitude_and_intention_to_adopt_artificial_intelligence_for_sustainable_triage_An_exploratory_study_of_emergency_department_staff/references Technology in Society	Q1	8
		Artificial Intelligence-Assisted Emergency Department Vertical Patient Flow Optimization *https://www.mdpi.com/2075-4426/15/6/219* *Journal of Personalized Medicine*	Q2	4
16	A. Vasilescu, A. Băicoianu *Algebraic Model for the CPU Logic Unit Behaviour*	*Upon the Haskell support for the web applications development* https://www.researchgate.net/publication/279046678_Upon_the_Haskell_support_for_the_web_applications_development/references Analele Stiintifice ale Universitatii Ovidius Constanta, Seria Matematica	C	2
17	A. Băicoianu, A. Garofide, R.I. Luca, M. Vlădărean *Structural Optimization Using Genetic Algorithms* 2022, International Conference on INnovations in Intelligent SysTems and Applications (INISTA)	*Structural design optimization of pressure hull using genetic algorithm and finite element analysis,* 2025, International Journal of Structural Integrity https://www.emerald.com/insight/content/doi/10.1108/ijsi-10-2024-0171/full/html	Q2	2
		Optimizing Carboxymethyl Cellulose (CMC) Production: A Metaheuristic Algorithm Approach https://ieeexplore.ieee.org/document/11022351 https://www.scopus.com/pages/publications/105009058931	C	2
18	S. Y. Shin, F. Pastore, D. Bianculli, A. Băicoianu *Towards Generating*	*MR-Adopt: Automatic Deduction of Input Transformation Function for Metamorphic Testing* *Automated Software Engineering*	A*	*6*

	Executable Metamorphic Relations Using Large Language Models QUATIC 2024	*https://arxiv.org/pdf/2408.15815* *https://dl.acm.org/doi/10.1145/3691620.3696020* *CORE 2023*		
		Enhancing API Security Testing Against BOLA and Authentication Vulnerabilities Through an LLM-Enhanced Framework The 19th International Conference on Soft Computing Models in Industrial and Environmental Applications SOCO 2024 https://link.springer.com/chapter/10.1007/978-3-031-75010-6_23 https://www.scopus.com/pages/publications/85210324418	C	1
		The Current Challenges of Software Engineering in the Era of Large Language Models ACM Transactions on Software Engineering and Methodology https://arxiv.org/pdf/2412.14554 https://dl.acm.org/doi/abs/10.1145/3712005	A	4
		A 2030 Roadmap for Software Engineering ACM Transactions on Software Engineering and Methodology https://dl.acm.org/doi/pdf/10.1145/3731559	A	4
		The Future of AI-Driven Software Engineering ACM Transactions on Software Engineering and Methodology https://dl.acm.org/doi/abs/10.1145/3715003	A	4
		Test Oracle Automation in the Era of LLMs ACM Transactions on Software Engineering and Methodology https://dl.acm.org/doi/10.1145/3715107	A	4
		Metamorphic Testing of Large Language Models for Natural Language Processing https://conf.researchr.org/details/icsme-2025/icsme-2025-papers/11/Metamorphic-Testing-of-Large-Language-Models-for-Natural-Language-Processing https://www.researchgate.net/publication/394085166_Metamorphic_Testing_of_Large_Language_Models_for_Natural_Language_Processing/references CORE	A	4
		LLM-assisted Metamorphic Testing of Embedded Graphics Libraries https://fdl-conference.com/program.html https://ics.jku.at/files/2025FDL_LLM-assisted_Metamorphic_Testing_of_Embedded_Graphics_Libraries.pdf CORE	C	1
19	I. C. Plajer, A. Băicoianu,	*Digital Transformation, Springer Chapter*	C	1

	L. Majercsik, M. Ivanovici *NDVI Computation from Hyperspectral Images* 2023 13th Workshop on Hyperspectral Imaging and Signal Processing: Evolution in Remote Sensing (WHISPERS)	https://www.researchgate.net/publication/383329594_Digital_Transformation_in_Agriculture/references		
		Statistical Inference Based on Sentinel-2 and in situ NDVI Measurements Using Monte Carlo Sampling IGARSS 2024 https://www.researchgate.net/publication/383797689_Statistical_Inference_Based_on_Sentinel-2_and_in_situ_NDVI_Measurements_Using_Monte_Carlo_Sampling/references https://www.scopus.com/pages/publications/85204916827	C	1
		Fuzzy Logic-Based Visualization and Interpretation of NDVI Maps https://ieeexplore.ieee.org/document/10876428 https://www.scopus.com/pages/publications/86000264054	C	1
		Random Data Sampling for an Agricultural Crop Classification Task https://ieeexplore.ieee.org/document/11045606 https://www.scopus.com/pages/publications/105010477379	C	1
		Agricultural Crop Classification Using Sentinel-2 Data and Local Features https://ieeexplore.ieee.org/abstract/document/11105680	C	1
20	R. Bocu, A. Băicoianu, A. Kerestely *An Extended Survey Concerning the Significance of Artificial Intelligence and Machine Learning Techniques for Bug Triage and Management* 2023, IEEE Access	*VSEST 29110 Tool: Using ChatGPT to evaluate the implementation of the ISO/IEC 29110 work products* IEEE Access https://ieeexplore.ieee.org/document/10646341	Q2	4
		A Comparative Study of Contemporary Learning Paradigms in Bug Report Priority Detection IEEE Access https://ieeexplore.ieee.org/document/10654280	Q2	4
		Ensemble Balanced Nested Dichotomy Fuzzy Models for Software Requirement Risk Prediction IEEE Access https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=10709888	Q2	4
		Amalgamation of Classical and Large Language Models for Duplicate Bug Detection: A Comparative Study CMC-Computers Materials & Continua https://www.scopus.com/pages/publications/105001342921	C	2

		Evaluation of Movie Recommender Systems Using Hesitant Fuzzy Logic and Deep Convolutional Spiking Neural Networks Conference: 2024 4th International Conference on Advancement in Electronics & Communication Engineering (AECE) https://www.scopus.com/pages/publications/105001662244	C	2
		ReBaRF-Bug: A Multi-Stage Augmentation and Deep Learning-Enhanced Approach for Automated Bug Classification and Prioritization 2025 2nd International Conference on Research Methodologies in Knowledge Management, Artificial Intelligence and Telecommunication Engineering (RMKMATE) https://www.scopus.com/pages/publications/105010449057	C	2
		A novel LLM-based classifier for predicting bug-fixing time in Bug Tracking Systems *https://www.sciencedirect.com/science/article/pii/S0164121225002389*	Q2	4
		Teaching Software Engineering for Artificial Intelligence: An Experience Report https://link.springer.com/chapter/10.1007/978-3-032-04207-1_15#	B	4
		A novel LLM-based classifier for predicting bug-fixing time in Bug Tracking Systems https://www.researchgate.net/profile/Pasquale-Ardimento/publication/393894935_A_novel_LLM-based_classifier_for_predicting_bug-fixing_time_in_Bug_Tracking_Systems/links/688b8ef86b89f30438b5d361/A-novel-LLM-based-classifier-for-predicting-bug-fixing-time-in-Bug-Tracking-Systems.pdf	B	4
21	M.R. Raia, A. Ailincăi, A. Băicoianu, C. Husar, C. Irimia *Condition Monitoring of Industrial Elevators Based on Machine Learning Models* 2023, 28th International Conference on Emerging Technologies and Factory Automation (ETFA)	*Intelligent alarm system for river embankment seepage based on BILSTM* Scientific Reports https://www.nature.com/articles/s41598-024-75125-6	Q1	2.66
		Efficient Fault Diagnosis of Elevator Cabin Door Drives Using Machine Learning with Data Reduction for Reliable Transmission *https://www.mdpi.com/2076-3417/15/13/7017*	Q2	1.33

22	A. Băicoianu, I.C. Plajer *Considerations on efficient lexical analysis in the context of compiler design* 2023, Bulletin of the Transilvania University of Brasov Series III Mathematics and Computer Science	*A Visual Approach to Understand Parsing Algorithms through Python and Manim* https://ieeexplore.ieee.org/document/10725029 https://www.scopus.com/pages/publications/85211099164	C	2
		A Framework for Symbolic Programming in Mathematical Problem Solving IEEE 19th International Conference on Computer Science and Information Technologies (CSIT) https://ieeexplore.ieee.org/document/10982681 https://www.scopus.com/pages/publications/105005829055	C	2
		Evaluation of an Educational Game Based on Compilation Techniques to Enhance Students' Understanding of Programming Concept 2025 International Conference on New Trends in Computing Sciences (ICTCS) https://ieeexplore.ieee.org/document/10989312 https://www.scopus.com/pages/publications/105007308681	C	2
23	I. C. Plajer, A. Băicoianu, L. Majercsik, M. Ivanovici *Multisource Remote Sensing Data Visualization Using Machine Learning* 2024, IEEE Transactions on Geoscience and Remote Sensing	*Research Advances in Deep Learning for Image Semantic Segmentation Techniques* IEEE Access https://www.webofscience.com/wos/woscc/full-record/WOS:001367281200012?AlertId=ba3c1cbb-0f93-473f-b433-05941c0f0057	Q2	2
		Extraction and spatiotemporal analysis of impervious surfaces in Chongqing based on enhanced DeepLabv3+ Scientific Reports https://www.nature.com/articles/s41598-025-94882-6	Q1	4
		NDVI and Beyond: Vegetation Indices as Features for Crop Recognition and Segmentation in Hyperspectral Data Sensors https://www.mdpi.com/1424-8220/25/12/3817	Q2	2
		Comparing Blind Image Quality Metrics for Reliable Image Assessment IEEE Access https://ieeexplore.ieee.org/document/11050384	Q2	2
24	A. Băicoianu, C. Gavrilă, C.M. Păcurar, V. Păcurar *Fractal interpolation in the context of prediction accuracy optimization* 2024, Engineering	*A Framework for Separating Climate and Anthropogenic Contributions to Evapotranspiration Changes in Natural to Agricultural Regions of Watersheds Based on Machine Learning* Remote Sensing https://www.mdpi.com/2072-4292/16/23/4408	Q2	2

	Applications of Artificial Intelligence	*FractalNet-LSTM Model for Time Series Forecasting* Computers, Materials & Continua https://www.scopus.com/pages/publications/86000171236	C	1
		Review on fractal interpolation functions Fractals - complex geometry patterns and scaling in nature and society https://www.worldscientific.com/doi/pdf/10.1142/S0218348X25401358?download=true&srsltid=AfmBOorTYX_d4sIO_3kalaO7-lPk1qKcyZ_KwLYwC2QSxNIP8zpqRejU	Q2	2
		Lightweight Vision Transformer with Lite-AVPSO Hyperparameter Optimization for Agricultural Disease Recognition IEEE Internet of Things Journal https://ieeexplore.ieee.org/abstract/document/11016039	Q1	4
		Fractal Scaling Parameters *Springer chapter, Fractal Functions Communication with Fractional Calculus* https://link.springer.com/chapter/10.1007/978-3-031-96993-5_3	Q2	2
		Classical Integration on Fractal Functions *Springer chapter, Fractal Functions Communication with Fractional Calculus* https://link.springer.com/chapter/10.1007/978-3-031-96993-5_4	Q2	2
25	A.B. Lixandru, S. Gorobievschi, A. Băicoianu *Acoustic modeling for indoor spaces using Ray-Tracing method* 2021, The 14 International Conference on Knowledge Science Engineering and Management	*Design and Evaluation of Noise Simulation Algorithm Using MATLAB Ray Tracing Engine for Noise Assessment and Prediction* Applied Sciences https://www.mdpi.com/2076-3417/15/3/1009	Q2	4
26	S. Catrina, M. Catrina, A. Băicoianu, I.C Plajer *Learning about Growing Neural Cellular Automata* 2024, IEEE Access	*Intelligent health model for medical imaging to guide laymen using neural cellular automata* Scientific Reports https://www.nature.com/articles/s41598-025-94032-y	Q1	4
		C-NCA: Chained Neural Cellular Automata for Fast and Accurate Thermal Ablation Estimation https://link.springer.com/chapter/10.1007/978-3-032-04965-0_7	A	4

27	S. Catrina, A. Băicoianu *Quantum Tunneling: From Theory to Error-Mitigated Quantum Simulation* 2024, Advanced Quantum Techologies	*A Digital Twin of Scalable Quantum Clouds* SIGSIM-PADS '25: Proceedings of the 39th ACM SIGSIM Conference on Principles of Advanced Discrete Simulation https://dl.acm.org/doi/10.1145/3726301.3732296 CORE	B	4

Perspectiva d), performanţa academică

	Categoria	Puncte
i) Cărți și capitole publicate în edituri *Se consideră categoriile SENSE (ultimă versiune) https://sense.nl/wp-content/uploads/2021/03/WASS-SENSE_book_publishers_list_2020.xlsx		
Driver-in-the-loop simulator of electric vehicles C. Antonya, C. Husar, S. Butnariu, S. Butnariu, C. Pozna, A. Băicoianu, 2023, Springer chapter https://www.springerprofessional.de/en/driver-in-the-loop-simulator-of-electric-vehicles/24611294	capitol	
Acoustic Modeling for Indoor Spaces Using Ray-Tracing Method A.B. Lixandru, S. Gorobievschi, A. Băicoianu, 2021, Springer chapter https://link.springer.com/chapter/10.1007/978-3-030-82147-0_48		
A Research Study on Running Machine Learning Algorithms on Big Data with Spark *A.* Kerestely, A. Băicoianu, R. Bocu, 2021, Springer chapter, https://link.springer.com/chapter/10.1007/978-3-030-82136-4_25		
Teledetecție și inteligență artificială pentru agricultură M. Ivanovici, C. Florea, A. Cațaron, R. Coliban, Ș. Popa, I. Plajer, M. Ștefan, A. Băicoianu, Ș. Oprișescu, A. Racovițeanu, Gh. Olteanu, K. Marandskiy, A. Ghinea, A. Kazak, M. Debu, L. Majercsik, A. Manea, L. Dogar, 2024 https://potato.ro/_publicatii_files/cartoful_in_ro/2024CartofulInRomania_vol.33%20.pdf		
iii) Publicarea unui curs universitar în format electronic		
Elemente de C++ modern Ghid practic pentru curs și laborator Editura Universității Transilvania, 2025 https://ebooks.unitbv.ro/wp-content/uploads/2025/06/978-606-19-1798-3-work.pdf		2
Procesarea imaginilor digitale. Curs pentru învățământ la distanță. Editura Universității Transilvania, 2024 ISBN 978-606-19-1720-4, https://ebooks.unitbv.ro/produs/procesarea-imaginilor-digitale-curs-pentru-invatamant-la-distanta-anul-ii-sem-ii/		2

Algoritmi Fundamentali. Curs pentru învățământ la distanță Editura Universității Transilvania, 2023 ISBN 978-606-19-1654-2 https://ebooks.unitbv.ro/produs/algoritmi-fundamentali-curs-pentru-invatamantul-la-distanta/	Curs universitar în format electronic	2
Algoritmi fundamentali – Ghid practic pentru curs si laborator. O perspectivă C++ Editura Universității Transilvania, 2021 ISBN 978-606-19-1347-3		2
Metoda elementului finit. Implementare cu FreeFem++. Îndrumar de laborator Editura Universității Transilvania, 2017 ISBN 978-606-19-0895-0		2
Limbaje formale și teoria automatelor. Culegere de probleme Editura Universității Transilvania, 2012 ISBN 978-606-19-0076-3		2
Limbaje Formale și Teoria Automatelor suport ID, 2013, Universitatea Transilvania Dovadă https://drive.unitbv.ro/s/4ZRfGrcz64iGizB		2
Tehnici de compilare suport ID, 2013, Universitatea Transilvania Dovadă https://drive.unitbv.ro/s/4ZRfGrcz64iGizB		2
iv) Director/editor al unei reviste de tip: A*|A|B|C|D		
Bulletin of the Transilvania University of Brașov. Series III. Mathematics and Computer Science http://webbut.unitbv.ro/index.php/Series_III/Editorial_Board	Editor revistă indexată Scopus (C)	6
v) Director (coordonator/responsabil) | membru al unui grant/proiect/contract/program de cercetare național / internațional *Pentru toate proiectele se găsesc adeverințe și dovezi aici https://drive.unitbv.ro/s/fKxgtkdce3PxLAR		
Romanian Excellence Center on Artificial Intelligence on Earth Observation Data for Agriculture (AI4AGRI) 2022-2025, **membru** https://cordis.europa.eu/project/id/101079136 https://drive.unitbv.ro/s/fKxgtkdce3PxLAR	>=500.000	5
Digital Technologies and Artificial Intelligence (AI) solutions (DITARTIS) 2022-2025, **responsabil instituție** https://cordis.europa.eu/project/id/101079242 https://drive.unitbv.ro/s/fKxgtkdce3PxLAR	100.000 - 199.999	6
New modular Electrical architecture and digital platforM to Optimise large battery systems on SHIPs (NEMOSHIP) 2023-2026, **membru** https://cordis.europa.eu/project/id/101096324 https://drive.unitbv.ro/s/fKxgtkdce3PxLAR	200.00 - 499.999	4
Intelligent Motion Control under Industry 4.E (IMOCO4E)	100.000 - 199.999	3

2021-2024, **membru** https://cordis.europa.eu/project/id/101007311 https://drive.unitbv.ro/s/fKxgtkdce3PxLAR		
Driver-In-the-Loop SIMulation for safety-critical testing scenarios of Electric Vehicles 2020-2022, **membru** Grant agreement ID: 101007311, a grant of the Romanian Ministry of Education and Research, CCCDI – UEFISCDI, project number PN-III-P2-2.1-PED-2019-4366, within PNCDI III, http://www.dilsimev.ro/ https://www.dilsimev.ro/project-team/ https://drive.unitbv.ro/s/fKxgtkdce3PxLAR	< 50.000	1
Powerful Advanced N-level Digital Architecture for models of electrified vehicles and their components (PANDA) 2018-2022, **membru** Grant agreement ID: 824256, H2020-EU.3.4. - SOCIETAL CHALLENGES - Smart, Green And Integrated Transport, https://cordis.europa.eu/project/id/824256 https://drive.unitbv.ro/s/fKxgtkdce3PxLAR	200.00 - 499.999	4
Dezvoltarea unei platforme HIL pentru testarea bateriilor unui vehicul urban electric (URBIVEL) 2018-2020, **membru** Contract: 2 /20.07.2017, Proiect cofinanţat din Fondul European de Dezvoltare Regională prin Programul Operaţional Competitivitate 2014 – 2020 „Investiţii pentru viitorul dumneavoastră” https://drive.unitbv.ro/s/fKxgtkdce3PxLAR	200.00 - 499.999	4
High-PErformance Computing of PersonAlized CaRdio-Vascular ComponenT Models (HEART) 2012-2016, **membru** PN-II-PT-PCCA-2011-3.2-1229 https://drive.unitbv.ro/s/fKxgtkdce3PxLAR	>=500.000	5
IMINT (detecție de mine și activități ilegale în Marea Neagră folosind imagistica / teledetecție), vezi rezultate *https://uefiscdi.gov.ro/sol-2023-imint-pentru-marea-neagra-frontiere-mine* 2024 - 2026, **membru** SOL-2024 - 21 - IMINT, PN-IV-P6-6.3-SOL-2024-0124, contract nr. 21Sol(T21) / 18.07. 2024, Bugetul de stat - UEFISCDI, partener P5 https://drive.unitbv.ro/s/fKxgtkdce3PxLAR	50.000 - 99.999	2
AI4RISK Platformă de fuziune și management a colecțiilor de date multi-sursă exploatabile de către modele de inteligență artificială pentru estimarea și analiza predictivă a situațiilor de risc 3Sol(T3) / 02.09.2024, Bugetul de stat - UEFISCDI, partener P2 2024 - 2026, **membru** *https://drive.unitbv.ro/s/fKxgtkdce3PxLAR*	100.000 - 199.999	3

Innovative multi-life battery management system for future energy storage solutions (INVENT) PN-IV-P7-7.1-PED-2024-1479 2025 - 2026, **responsabil instituție** https://invent.utcluj.ro/ https://drive.unitbv.ro/s/JeQTyHcJ4jTXcqm https://drive.unitbv.ro/s/fKxgtkdce3PxLAR	50.000 - 99.999	4
Post-quantum Digital Signature using Verkle Trees 2024-2026, **membru** NATO SPS G7394 https://quantum.unitbv.ro https://drive.unitbv.ro/s/fKxgtkdce3PxLAR	100.000 - 199.999	3
Social Entrepreneurship Ecosystems Network (SEEN) 2024-1-BG01-KA220-HED-000255491 https://www.unitbv.ro/en/research/research-outputs/international-competitions 2024 - 2027, **membru** https://drive.unitbv.ro/s/fKxgtkdce3PxLAR	50.000 - 99.999	2

vi) Membru în comitetul stiintific (de program) al unor conferințe, simpozioane, workshop-uri		
International Business Information Management Conference (IBIMA) 36, 2020 https://ibima.org/conference/36th-ibima-conference/#ffs-tabbed-13	D	0.5
Membru in KNOWLEDGE COMMITTEE din proiectul Erasmus Cyber Agent Project - Prof coordonator Romania Toma Cristina https://erasmus-plus.ec.europa.eu/projects/search/details/101111732 Adeverință https://drive.unitbv.ro/s/4ZRfGrcz64iGizB	D	0.5
vii) Organizare evenimente științifice/școli de vară, în calitate de: **- director | membru în comitetul de organizare**		
Membru în comitetul de organizare: International Conference on Mathematics and Computer Science (MACOS) 2024, https://macos.unitbv.ro/committees/ https://web.archive.org/web/20250113222826/https://macos.unitbv.ro/committees/ https://macos.unitbv.ro/		1
28th International Conference on Emerging Technologies and Factory Automation (ETFA) https://2023.ieee-etfa.org/main/static/files/ws_cfps/WS02_IMOCO4E.pdf		1
Membru în comitetul de organizare eveniment CONAT https://conat.ro/index.php/conat/2024/about/organizingTeam		1
Technical program chair și Track chair pentru secțiunea *AI and Advanced Analytics in Energy Systems, Conference on Future Energy Solutions* https://fes2025.com/conference-committees/		1
Membru în comitet de organizare (Scholarship chair), ACM womENcourage 2025 https://womencourage.acm.org/2025/index.php/our-team/		1

vii) Keynote/invited speaker/professor la evenimente/universități (școli de vară internaționale/evenimente locale)	
Lecturer/speaker *AI4AGRI Summer School 2025* Școală de vară internațională Subiect prezentat - *DACIA5 Data Set and Applications* (40 de participanți, plus 12 membri ai echipei de proiect și 14 speakers, în total, din 10 țări) https://ai4agri.unitbv.ro/wp-content/uploads/2025/07/AI4AGRI-Summer-School-2025-final-program.pdf https://drive.unitbv.ro/s/4ZRfGrcz64iGizB (vezi folder AI4AGRI Activities)	1
Lecturer/speaker *SEEN Summer School 2025* Școală de vară internațională Subiect prezentat - *AI tools for entrepreneurs + pitching* (41 de profesori și studenți de la universitatea UniTBv și de la entitățile membre ale consorțiului SEEN) Dovezi (program) https://drive.unitbv.ro/s/4ZRfGrcz64iGizB (vezi folder SEEN Activities)	1
Lecturer/speaker *Training Event@ UPV Universitat Politècnica de València* Eveniment local, Spania Subiect prezentat - *Beyond the Black Box: xAI and Transfer Learning for Smarter Bearing Fault Diagnosis* https://ditartis.utcluj.ro/4th-ditartis-project-training-event-upv-universitat-politecnica-de-valencia/	1
Lecturer/speaker Atelier *Anomalie și specificitate în culturile agricole* Eveniment local, România Subiect prezentat - *Explorarea anomaliilor în imagini satelitare în contextul agriculturii de precizie* https://potato.ro/_publicatii_files/alte-evenimente/Atelier%2023%20februarie%202024.pdf	1
Lecturer/speaker Atelier Hărți NDVI pentru monitorizarea culturilor agricole Eveniment local, România Subiect prezentat - *Calculul și colorarea hărților NDVI* https://potato.ro/_publicatii_files/alte-evenimente/2025/Agenda%20Atelier%206%20februarie%202025.pdf	1
xvii) Premii si alte merite	
Premiu cu echipa AI4AGRI https://uefiscdi.gov.ro/premiere-orizont-europa-echipe-de-cercetare https://uefiscdi.gov.ro/index.php, secțiune II Dovadă https://drive.unitbv.ro/s/4ZRfGrcz64iGizB	

Data: 10.10.2025