ACADEMIA ROMÂNĂ
SCOSAAR

Anexa nr.3

AVIZAT
DIRECTOR SCOSAAR
Acad. Maria ZAHARESCU

ÎNDEPLINIREA STANDARDELOR MINIMALE [X] DA | [] | NU

FIŞA DE ÎNDEPLINIRE A STANDARDELOR MINIMALE
conform CNATDCU

Candidat: BELCIUG SMARANDA

FIŞA DE VERIFICARE
a îndeplinirii standardelor minimale

Data: 11.11.2022

Semnătura:

SUMAR FISA DE VERIFICARE

a îndeplinirii standardelor minimale naționale de acordare a titlului de abilitare

în cadrul comisiei de Informatică*

CANDIDAT: Smaranda BELCIUG

Criteriu	**Indicator**	**Valori minime și praguri Abilitare**	**Valori realizate de către candidat**
Perspectiva B Producția științifică	Valori minime	56	94.84
	Praguri	A* + A ≥ 24	67.57
		A* + A + B ≥ 40	73.86
Perspectiva C Impactul rezultatelor	Valori minime	120	1110.33
	Praguri	A* + A + B ≥ 40	956.67
Perspectiva D Performanța academică	Valori minime	60	160.5
	Praguri	Minim un proiect, cu echipa de cel puțin 2 membri, obținut de candidat prin competție la nivel național sau internațional	Grant Program 4 - Cercetare fundamentală și de frontieră Proiecte de Cercetare Exploratorie - PCE 2021 - PN-III-P4-PCE2021-0057, Contract nr. 101/2022. Proiectul are 11 membri, iar candidatul are poziția de director de proiect (dovada atașată D10).
Total			

Data

11.11.2022

Semnatura

Smaranda Belciug

* Conform Ordinului nr. 6129/20.12.2016 privind aprobarea standardelor minimale necesare și obligatorii pentru conferirea titlurilor didactice din învățământul superior, a gradelor profesionale de cercetare-dezvoltare, a calității de conducător de doctorat și a atestatului de abilitare.

Perspectiva B. Producția științifică
Smaranda Belciug

Nr	Referinta bibliografica	Tip*	Poz**	x***	Categoria	Puncte	Autori	Ponderat
1	**Smaranda Belciug**, Learning deep neural networks' architectures using differential evolution. Case study: medical imaging processing, **Computers in Biology and Medicine**,146, 105623, https://doi.org/10.1016/j.compbiomed.2022.105623, **IF: 6.698**, 2022	IF 2022, pp.317, poz 6			A	8	1	8
2	Dominic Iliescu, **Smaranda Belciug**, Renato Ivanescu, Roxana Dragusin, Monica Cara, Laurentiu Dira, Prediction of labor outcome pilot study: evaluation of primiparous women at term, **American Journal of Obstetrics & Gynecology MFM**, 4 (6), 100711, https://doi.org/10.1016/j.ajogmf.2022.100711, **IF: 8.679**, 2022	IF 2022, pp. 411, poz. 3	3	4,2	A*	12	6	3
3	Renato Ivanescu, **Smaranda Belciug**, Andrei Nascu, Mircea Serbanescu, Dominic Iliescu, Evolutionary computation paradigm to determine deep neural networks architectures, **International Journal of Computers Communications & Control**, 17, 5, https://doi.org/10.15837/ijccc.2022.5.4886, **IF: 2.635**, 2022	IF 2022, pp.19, poz. 5			C	2	5	0,6667
4	**Smaranda Belciug**, Parallel versus cascaded logistic regression trained single-hidden feedforward neural network for medical data, **Expert Systems with applications**, 170, 114538, , https://doi.org/10.1016/j.eswa.2020.114538, **IF: 8.665**, 2021	IF 2021, pp 364, poz. 8			A	8	1	8
5	Laurentiu Mihai Dira, Stefania Tudorache, Panagiotis Antsaklis, George Daskalakis, Dagklis Themistoklis, Smaranda Belciug, Ruxandra Stoean, Marius Novac, Monica Laura Cara, Roxana Dragusin, Maria Florea, Ciprian Patru, Lucian Zorila, Rodica Nagy, Dan Ruican, Dominic Gabriel Iliescu, Sonographic Evaluation of the Mechanism of Active Labor (SonoLabor Study): observational study protocol regarding the implementation of the sonopartogram, **BMJ open**, 11 (9), e047188, http://dx.doi.org/10.1136/bmjopen-2020-047188, **IF: 3.006**, 2021	AIS 2021, pp. 304, poz 44	1	8	A	8	16	0,5714

Nr	Referinta bibliografica	Tip*	Poz**	x***	Categoria	Puncte	Autori	Ponderat
6	Dan Ruican, Ana-Maria Petrescu, Anda Ungureanu, Daniel Pirici, Marius Cristian Marinaș, Anca Maria Ofiteru, Mircea Serbanescu, Cristina Simionescu, Anne Marie Badiu, Gabriela-Camelia Roșu, Smaranda Belciug, Dominic Gabriel Iliescu, Virtual autopsy and confrimation of normal fetal heart anatomy in the first trimester using three-dimensional (3D) reconstruction of histological sections,**Romanin Journal of Morphology and Embryology**, 62 (1), 101-108,10.47162/RJME.62.1.09, **IF:0.833**, 2021	AIS 2021, pp. 121, poz. 40			C	2	12	0,2
7	**Smaranda Belciug**, Adrian Sandita, Hariton Costin, Silviu Bejinariu, Pericle Matei, Competitive/Collaborative Statistical Learning Framework for Forecasting intraday stock market prices: a case study, **Studies in Informatics and Control**, 30 (2), 43-54, **IF: 1.826**, 2021	IF 2021, pp. 17, poz. 43			C	2	5	0,6667
8	**Smaranda Belciug**, Logistic regression paradigm for training a single-hidden layer feedforward neural network. Application to gene expression datasets for cancer research. **Journal of Biomedical Informatics**, 102, https://doi.org/10.1016/j.jbi.2019.103373, **IF: 6.68**, 2020	AIS 2020, pp. 100, poz. 26			A	8	1	8
9	**Smaranda Belciug**, Silviu Bejinariu, Hariton Costin, An artificial immune system approach for a multi-compartment queuing model for improving medical resources and inpatient bed occupancy in pandemics, **Advances in electrical and computer engineering**, 20 (3), 23-30, **IF: 0.825**, 2020	AIS 2020, pp. 85, poz. 124			C	2	3	2
10	Mircea Serbanescu, Nicolae Manea, Liliana Streba, **Smaranda Belciug**, Emil Plesea, Ionica Pirici, Raluca Bungardean, Mihail Plesa, Automated gleason grading of prostate cancer using transfer learning from general-purpose deep-learning networks, **Romanian Journal of Morphology and Embryology**, doi: 10.47162/RJME.61.1.17, **IF:0.833**, 2020	AIS 2020, pp. 125, poz. 39			C	2	9	0,2857
11	**Smaranda** Belciug, Renato Ivanescu, A Bayesian framework for extreme learning machine with application for automated cancer detection, **Annals of the University of Craiova-Mathematics and Computer Science Series**, 46 (1), 189-202, 2019	SCOPUS			C	2	2	2
12	Robert Berglund, **Smaranda Belciug**, Improving Extreme Learning Machine Performance using Ant Colony Optimization Feature Selection. Application to automated medical diagnosis, **Annals of the University of Craiova, Mathematics and Computer Science,** Science Series, Vol. 45 (1), 151-155, 2018.	SCOPUS			C	2	2	2

Nr	Referinta bibliografica	Tip*	Poz**	x***	Categoria	Puncte	Autori	Ponderat
13	**Smaranda Belciug**, Florin Gorunescu, Learning a single-hidden layer feedforward neural network using rank correlation-based strategy with application to high dimenional gene expression and proteomic spectra datasets in cancer detection, **Journal of Biomedical Informatics**, 83, 159-166, doi: 10.1016/j.jbi.2018.06.003, **IF: 3.457**, 2018	AIS 2018, pp. 128, poz. 25			A	8	2	8
14	**Smaranda Belciug**, Adrian Sandita, Business Intelligence: Statistics in predicting stock market, **Annals of the University of Craiova, Mathematics and Computer Science,** Science Series, Vol. 44, No. 2, pp. 292-298, 2017.	SCOPUS			C	2	2	2
15	Florin Gorunescu, **Smaranda Belciug**, Boosting backpropagation algorithm by stimulus-sampling: Application in computer-aided medical diagnosis, **Journal of Biomedical Informatics,** 10.1016/j.jbi.2016.08.004, 63, 74-81,**IF: 3.291,** 2016.	AIS 2016, pp. 109, poz. 24			A	8	2	8
16	**Smaranda Belciug**, Florin Gorunescu, A hybrid genetic algorithm - queuing multi-compartment model for optimizing inpatient bed occupancy and associated cost, **Artificial Intelligence in Medicine**, DOI: 10.1016/j.artmed.2016.03.001, 68, 59-69, **IF: 2.705**, 2016.	AIS 2016, pp. 97, poz. 48			B	4	2	4
17	**Smaranda Belciug**, Florin Gorunescu, Improving hospital bed occupancy and resource utilization through queuing modeling and evolutionary computation, **Journal of Biomedical Informatics** http://dx.doi.org/10.1016/j.jbi.2014.11.010,vol 53, pp. 261-269, **IF: 3.949**, 2015	AIS 2016, pp. 109, poz. 24			A	8	2	8
18	**Smaranda Belciug**, Florin Gorunescu, Error-correction learning for artificial neural networks using the Bayesian paradigm. Application to automated medical diagnosis, **Journal of Biomedical Informatics**, http://dx.doi.org/10.1016/j.jbi.2014.07.013 ,vol. 52, pp. 329-337, **IF: 3.609**, 2014	AIS 2016, pp. 109, poz. 24			A	8	2	8
19	Florin Gorunescu, Smaranda Belciug, Evolutionary strategy to develop learning-based decision systems. Application to Breast Cancer and Liver Fibrosis Stadialization, **Journal of Biomedical Informatics**, http://dx.doi.org/10.1016/j.jbi.2014.02.001, vol. 49, pp. 112-118, **IF: 3.609**, 2014.	AIS 2016, pp. 109, poz. 24			A	8	2	8

Nr	Referinta bibliografica	Tip*	Poz**	x***	Categoria	Puncte	Autori	Ponderat
20	**Smaranda Belciug**, Florin Gorunescu, A hybrid neural network/genetic algorithm system applied to the breast cancer detection and reccurence, **Expert Systems, The Journal of Knowledge Engineering**,Willey & Blackwell, Vol 30, No.3 , 243 – 254, **IF: 1**, 2013.	AIS 2016, pp. 120, poz. 91			C	2	2	2
21	**Smaranda Belciug**, Mircea-Sebastian Serbanescu, Florin Gorunescu, Evolutionary-based intelligent decision model to optimize the liver fibrosis stadialization, **Annals of the University of Craiova, Mathematics and Computer Science Series**, Vol. 40(2), pp. 237-248, 2013.	SCOPUS			C	2	3	2
22	Florin Gorunescu, **Smaranda Belciug**, Marina Gorunescu, Radu Badea, Intelligent decision-making for liver fibrosis stadialization based on tandem feature selection and evolutionary-driven neural network, Expert Systems with Applications, 39, pp. 12824-12832, IF: 3.316, 2012.	AIS 2016, pp. 97, poz. 49			B	4	4	2
23	Florin Gorunescu, Marina Gorunescu, Adrian Saftoiu, Peter Vilmann, **Smaranda Belciug**, Competitive/Collaborative Neural Computing System for Medical Diagnosis in Pancreatic Cancer Detection, **Expert Systems, The Journal of Knowledge Engineering**, 28, No.1, 33 - 48, **IF: 1.231**, 2011.	AIS 2016, pp. 120, poz. 91			C	2	5	0,6667
24	Florin Gorunescu, Marina Gorunescu, Elia El-Darzi, Smaranda Belciug, A statistical framework for evaluating neural networks to predict recurrent events in breast cancer, International Journal of General Systems , Vol. 39, No. 5, pp. 471-488 (ISI 2010 Impact Factor 0.826), Taylor & Francis, ISSN 0308-1079 , 2010.	AIS 2016, pp. 120, poz. 81			C	2	4	1
25	**Smaranda Belciug**, Florin Gorunescu, Marina Gorunescu, Abdel-Badeeh Salem, Clustering-based approach for detecting breast cancer recurrence, **Proceedings of the 10th IEEE International Conference on Intelligent Systems Design and Applications** (**ISDA**), Cairo, pp. 533 - 538, 29 Nov - 1 Dec, 2010.	CORE			C	2	4	1
26	Smaranda Belciug, Elia El-Darzi, A partially connected neural network-based approach with application to breast cancer detection and recurrence, Proceeding of the IEEE Conference on Intelligent Systems, IS2010, 191-196, 2010, London, UK, 2010.	CORE			C	2	2	2

Nr	Referinta bibliografica	Tip*	Poz**	x***	Categoria	Puncte	Autori	Ponderat
27	Florin Gorunescu, Elia El-Darzi, **Smaranda Belciug**, Marina Gorunescu, Patient grouping optimization using a hybrid Self-Organizing Map and Gaussian Mixture Model for length of stay-based clustering system, **Proceedings of the IEEE Conference on Intelligent Systems**, IS2010, 173-178, 2010, London, UK, 2010.	CORE			C	2	4	1
28	Adrian Saftoiu, Peter Vilmann, Florin Gorunescu, Dan Gheonea, Marina Gorunescu, **Smaranda Belciug**, Endoscopic ultrasound elastography in the diagnosis of pancreatic cancer, **Annals of Gastroenterology** 23, 3, 200-201, 2010.	SCOPUS			C	2	6	0,5
29	Dan Ionut Gheonea, Adrian Saftoiu, Tudorel Ciurea, Florin Gorunescu, Sevastita Iordache, Gabriel Lucian Popescu, **Smaranda Belciug**, Marina Gorunescu, Larisa Sandulescu, *Real-time sono-elastography in the diagnosis of diffuse liver diseases,* **World Journal of Gastroenterology**, 16, 14, 1720-1726, **IF: 2.081**, 2010.	AIS 2016, pp. 217, poz. 45			C	2	9	0,2857
30	Florin Gorunescu, Marina Gorunescu, Elia El-Darzi, **Smaranda Belciug** (Gorunescu) A statistical evaluation of neural computing approaches to predict recurrent events in breast cancer, Proceedings **4th International IEEE, Conference on Intelligent Systems - IS08**, Varna, Bulgaria 6-8.09.2008, pp. 38-43, 2008.	CORE			C	2	4	1

Total puncte categoria A*
3
Total puncte categoria A* + A
67,57
Total puncte categoria B
6,00
Total puncte categoria A* + A + B
73,86

TOTAL
94,84

Minim necesar abilitare		Valori realizate de candidata
Valoare minima	56	94,84
Prag A* + A	minim 24	67,57
Prag A* + A + B	minim 40	73,86

* Justificarea categoriei pentru jurnale (IF, AIS, SCOPUS si an) sau conferinte (CORE, SCOPUS), pagina + pozitie

** Pagina si pozitia pe care se gaseste revista in zona sa care se compara cu x pentru a trece intr-o zona superioara

*** x = numarul de reviste ce reprezinta primele 20% din zona rosie

Perspectiva C. Impactul rezultatelor (citări)
Smaranda Belciug

Citari pentru lucrarea	$\sum_k s_k$	n	ni	$\frac{1}{n_i}\sum_k s_k$
Florin Gorunescu, Marina Gorunescu, Elia El-Darzi, **Smaranda Belciug (Gorunescu)**, 2005, An evolutionary computational approach to probabilistic neural network with application to hepatic cancer diagnosis Proceedings 18th IEEE Symposium on Computer-Based Medical Systems; Dublin, Ireland; United Kingdom; 23 -24 June 2005; Category number P2355; Code 65910, Pp 461-466	67	4	2	**33,5**

Total puncte categoria A*	**0**
Total puncte categoria A	**12**
Total puncte categoria B	**14**
Total puncte A* + A + B	**26**

Numarul publicatiei care citeaza	Referinta bibliografica a publicatiei care citeaza lucrarea de mai sus	Tip*	s_k	Poz	x
1	S. K. Sunori et al., "Unsupervised and Supervised Learning based Classification Models for Air Pollution Data," 2021 2nd Global Conference for Advancement in Technology (GCAT), 2021, pp. 1-5, doi: 10.1109/GCAT52182.2021.9587793.	IEEE Conf	1		
2	Bhushan Inje, Sandeep Kumar, Anand Nayyar, Swarm Intelligence and Evolutionary Algorithms in Disease Diagnosis—Introductory Aspects, Swarm Intelligence and Evolutionary Algorithms in Healthcare and Drug Development, CRC, 2019	SENSE/ Capitol CRC	4		
3	Vejdannik, M., Sadr, A. Automatic microstructural characterization and classification using probabilistic neural network on ultrasound signals. J Intell Manuf 29, 1923–1940 (2018). https://doi.org/10.1007/s10845-016-1225-y	IF 2018, pp 201, poz 12	8		
4	Tobing, T.A.M.L., Prawito, Wijaya, S.K., Classification of right-hand grasp movement based on EMOTIV Epoc+, AIP Conference Proceedings 1862,030069, https://doi.org/10.1063/1.4991173, 2017	SCOPUS	2		
5	Vejdannik, M., Sadr, A., Automatic microstructural characterization and classification using dual tree complex wavelet-based features and Bees Algorithm, Neural Computing and Applications 28(7), pp. 1877-1889, 2017	IF 2017, pp. 58, poz. 40	4		

6	Kusy, M., Kluska, J. Assessment of prediction ability for reduced probabilistic neural network in data classification problems. Soft Comput 21, 199–212 (2017). https://doi.org/10.1007/s00500-016-2382-9	IF 2017, pp. 66, poz 33,	4		
7	Barnali Sahu, Ishara Priyadarsani, A Survey on Probabilistic Computational Model forMicroarray Data Classification, International Journal of Advanced Research in Computer Science and Software Engineering, DOI:10.23956/ijarcsse/SV7I5/0221, 2017	BDI	1		
8	Sivagaminanthan, R.K., Ramakrishnan, S., A hybrid approach for feature subset selection using neural networks and ant colony optimization, Expert Systems with applications, Vol. 33, Issue 1., 49-60, 2007	AIS 2016, pp. 97, poz. 49	4		
9	Jeatrakul, P., Wong, K.W., Comparing the performance of different neural networks for binary classification problems, Proceedings of the 8th IEEE International Symposium on Natural Language Processing, 111-115, 2009.	SCOPUS	2		
10	Abarghoouei, A.A, Ghanizadeh, A., Sinaie, S., Shamsuddin, S.M., A survey of Pattern Recognition Applications in Cancer Diagnosis, Proceedings of the IEEE International Conference of Soft Computing and Pattern Recognition, 448-453, 2009	SCOPUS	2		
11	Kusy, M., Kluska, J., Probabilistic Neural Network Structure Reduction for Medical Data Classification, Artificial Intelligence and Soft Computing, LNSC, Vol. 7894, 118-129, 2013	SCOPUS	2		
12	Kusy, M., Zajdel, R., Stateless Q-Learning Algorithm for Training of Radial Basis Function Based Neural Networks in Medical Data Classification, Intelligent Systems in Technical and Medical Diagnostics, Advances in Intelligent Systems and Computing, Springer, Vol. 230, 267-278, 2014	SCOPUS	2		
13	Annastassiou, G.A, Intelligent Mathematics: Computational Analysis, Springer, 2011.	SENSE / book Springer	8		
14	K. Simon, Evolutionary techniques for data clustering, 2007, Teza de doctorat, Universitatea Babes-Bolyai, Cluj-Napoca	PhD	1		
15	Miguez R., , Georgiopoulos, M., Kaylani, A., G-PNN: A genetically engineered probabilistic neural network, Nonlinear Analysis.Theory,Methods &Applications, ISSN: 0362-546X 73, (6), https://doi.org/10.1016/j.na.2010.04.080, 1783-1791, 2010	AIS 2016, pp. 211, poz. 89	4		
16	Kusy, M., Zajdel,R., Application of Reinforcement Learning Algorithms for the Adaptive Computation of the Smoothing Parameter for Probabilistic Neural Network, IEEE Transactions on Neural Networks and Learning Systems, Vol. PP, Issue 99, 10.1109/TNNLS.2014.2376703,December, 2014	AIS 2016 pp.96, poz. 14	8		

17	Masoud Vejdannik , Ali Sadr, Automatic microstructural characterization and classification using dual tree complex wavelet-based features and Bees Algorithm, Neural Computing and Applications, pp 1-13, 2016	AIS 2016 pp.63, poz. 73	4	9	12
18	Kusy, Maciej, and Jacek Kluska. "Assessment of prediction ability for reduced probabilistic neural network in data classification problems." Soft Computing (2016): 1-14.	AIS 2016, pp. 63, poz. 65	4	1	12
19	Maarouf, M., Sosa, A, Galván, B., Greiner, D., Winter, G., Mendez, M., Aguasca, R., 2015, The Role of Artificial Neural Networks in Evolutionary Optimisation: A Review, Advances in Evolutionary and Deterministic Methods for Design, Optimization and Control in Engineering and Sciences, Computational Methods in Applied Sciences, Springer, vol 36, ISBN: 978-3-319-11540-5, 59-76. DOI: 10.1007/978-3-319-11541-2_4	SCOPUS	2		

Citari pentru lucrarea	$\sum_k s_k$	**n**	**ni**	$\frac{1}{n_i}\sum_k s_k$
Florin Gorunescu, Marina Gorunescu, Elia El-Darzi, **Smaranda Belciug (Gorunescu)**, Kenneth Revett, 2005, A cancer diagnosis system based on rough sets and probabilistic neural networks, Proceedings of the first European Conference on health care modelling and computation, UMFCV, Academic Press, 149-159	22	5	3	**7,333333333**
Total puncte categoria A*	**0**			
Total puncte categoria A	**5,333333333**			
Total puncte categoria B	**1,333333333**			
Total puncte A* + A + B	**6,666666667**			

Numarul publicatiei care citeaza	**Referinta bibliografica a publicatiei care citeaza lucrarea de mai sus**	**Tip***	**s_k**	**Poz**	**x**
1	Cheng, J.H., Chen, H.P., Lin, Y.M., A Hybrid forecast marketing timing model based on probabilistic neural network, rough set and C 4.5, Expert Systems with Applications, Vol. 37, Issue 3, 1814-1820, 2010.	AIS 2016, pp. 97, poz. 49	4		
2	Kazemi, S.M.R., Hadavandi, E., Mehmanpazir, F., Nakhostin, M.M., A hybrid intelligent approach for modeling brand choice and constructing a market response simulator, Knowledge- Based Systems, Vol. 40, 101-110, 2013	AIS 2016, pp. 96, poz. 37	8	5	6,2

3	Annastassiou, G.A, Intelligent Mathematics: Computational Analysis, Springer, 2011.	SENSE/ Springer	8		
4	Shahrabi, J., Hadavandi, E., Esfandarani, M. S.,2013, Developing a hybrid intelligent model for constructing a size recommendation expert system in textile industries, International Journal of Clothing Science and Technology, ISSN: 0955-6222, 25(5), 338-349.	AIS 2016, pp. 287, poz. 15	2		

Citari pentru lucrarea	$\sum_k s_k$	**n**	**ni**	$\frac{1}{n_i}\sum_k s_k$
Gorunescu, F., Gorunescu, M., El-Darzi, E., Ene, M., **Gorunescu, S.(Belciug)**, 2005, Statistical Comparison of a Probabilistic Neural Network Approach in Hepatic Cancer Diagnosis, Proceedings IEEE International Conference on "Computer as a tool"-Eurocon2005, Belgrade, Serbia, 237-240, IEEE Press, ISBN 1-4244-0050-3	33	5	3	**11**

Total puncte categoria A*	**0**
Total puncte categoria A	**5,333333333**
Total puncte categoria B	**1,333333333**
Total puncte A* + A + B	**6,666666667**

Numarul publicatiei care citeaza	**Referinta bibliografica a publicatiei care citeaza lucrarea de mai sus**	**Tip***	**s_k**	**Poz**	**x**
1	Jones OT, Calanzani N, Saji S, Duffy SW, Emery J, Hamilton W, Singh H, de Wit NJ, Walter FM Artificial Intelligence Techniques That May Be Applied to Primary Care Data to Facilitate Earlier Diagnosis of Cancer: Systematic Review J Med Internet Res 2021;23(3):e23483 doi: 10.2196/23483	IF 2021, pp. 225, poz. 10	8		
2	Mahurkar, K.K., Gaikwad, D.P., Normalization using Improvised K-Means applied in diagnosing thyroid disease with ANN., Proceedings - International Conference on Trends in Electronics and Informatics, ICEI 2017 pp. 579-583,	SCOPUS	2		
3	PV Nageswara, R., Devi, T.U., Kaladhar, D., Sridhar, G., Allam Appa, R., A probabilistic neural network approach for protein superfamily classification, Journal of Theoretical and Applied Information Technology, Vol. 6, No. 1, pp. 101-105, 2009	SCOPUS	2		

4	Sunay, A.S., Cunedioglu, U., Yilmaz, B., Feasability of probabilistic neural networks, Kohonen self-organizing maps and fuzzy clustering for source localization of ventricular focal arrhythmias from intravenous catheter measurements, Expert Systems, Vol. 26, Issue 1, pp. 70-81, 2009	zona alba pp.120 poz 91 AIS 2016	2		
5	Rouhani, M., Mansouri, K., Comparison of Several ANN architectures on the Thyroid Diseases Grades Diagnosis, Proceedings of the IEEE Computer Science and Information Technology - Spring Conference, IACSITSC, 526-528, 2009	IEEE Conf	1		
6	Shariati, S., Haghighi, M.M., Comparison of anfis Neural Network with several other ANNs and Support Vector Machine for diagnosing hepatitis and thyroid diseases, Proceedings of the IEEE Computer Information Systems and Industrial Management Application (CISIM), 596-599, 2010	CORE	2		
7	Rouhani, M., Haghighi, K., The diagnosis of Hepatitis Diseases by Support Vector Machines and Artificial Neural Networks, Proceedings of the IEEE Computer Science and Information Technology - Spring Conference, IACSITSC, 456-458, 2009	IEEE Conf	1		
8	Annastassiou, G.A, Intelligent Mathematics: Computational Analysis, Springer, 2011.	SENSE / Springer	8		
9	R Harikumar, Performance analysis of neural networks for classification of medical images with wavelets as a feature extractor, International Journal of Imaging Systems and Technology,vol.25, issue 1, pp. 33-40, DOI: 10.1002/ima.22118, 2015	AIS 2016, pp.171 poz 146	4	20	25
10	Laxmi Shaw, Sangeeta Bhaga, Online EMG Signal Analysis for diagnosis of Neuromuscular diseases by using PCA and PNN., International Journal Of Engineering Science and Technology 0975-5462 10/2012; 4(10):4453-4459.	SCOPUS	2		
11	De Faria Passos, A.R., Aplicacao de redes neurais probabilitica a classificacao do risco de morte de pacientes com sindrome coronariana aguda, PHD Thesis.	PhD	1		

Citari pentru lucrarea	$\sum_k s_k$	**n**	**ni**	$\frac{1}{n_i}\sum_k s_k$
Florin Gorunescu, Marina Gorunescu, Elia El-Darzi, E., **Smaranda Belciug (Gorunescu), S.**,2008 A statistical evaluation of neural computing approaches to predict recurrent events in breast cancer, Proceedings 4th International IEEE, Conference on Intelligent Systems - IS08, Varna, Bulgaria 6-8.09.2008, pp. 38-43, 2008	3	4	2	**1,5**

Total puncte categoria A*	**0**
Total puncte categoria A	**4**
Total puncte categoria B	**4**
Total puncte A* + A + B	**8**

Numarul publicatiei care citeaza	**Referinta bibliografica a publicatiei care citeaza lucrarea de mai sus**	**Tip***	**s_k**	**Poz**	**x**
1	Marie-Sainte, S.L., Saba, T., DeemAlsaleh, Alotaibi, M.B.A., An improved strategy for predicting diagnosis, survivability, and recurrence of breast cancer, Journal of Computational and Theoretical Nanoscience 16(9), pp. 3705-3711, 2019	SCOPUS	2		
2	Beg, M. M., Jain, M., 2012, an Analysis of the methods employed for Breast Cancer Diagnosis, International Journal of Research in Computer Science, ISSN: 2278 – 733X, 2, 25-29	BDI	1		

Citari pentru lucrarea	$\sum_k s_k$	**n**	**ni**	$\frac{1}{n_i}\sum_k s_k$
Florin Gorunescu, Marina Gorunescu, **Smaranda Belciug (Gorunescu)**, Adrian Săftoiu, Peter Vilmann, 2008, Neural Computing: Application in Non-invasive Cancer Detection, Case Studies in Business, Industry and Government Statistics (CSBIGS) -USA", vol. 2, issue 1, pp 38-46, ISSN: 2152-372X	10	5	3	**3,333333333**

Total puncte categoria A*	**0**
Total puncte categoria A	**2,666666667**
Total puncte categoria B	**0**
Total puncte A* + A + B	**2,666666667**

Numarul publicatiei care citeaza	**Referinta bibliografica a publicatiei care citeaza lucrarea de mai sus**	**Tip***	**s_k**	**Poz**	**x**
1	Lashkari, A., Full automatic micro calcification detection in mammogram images using artificial neural network and Gabor wavelets, Proceedings of the 6th IEEE Machine Vision and Image Processing, IMVIP, 1-7, 2010.	CORE	2		
2	Annastassiou, G.A, Intelligent Mathematics: Computational Analysis, Springer, 2011.	SENSE / book Springer	8		

Citari pentru lucrarea	$\sum_k s_k$	n	ni	$\frac{1}{n_i}\sum_k s_k$
Smaranda Belciug, Bayesian classification vs. k-nearest neighbor classification for the non-invasive hepatic cancer detection, The 8th International Conference on Artificial Intelligence and Digital Communications, Craiova, September 2008, 108, pp. 31-35, 2008.	10	1	1	**10**
Total puncte categoria A*	**0**			
Total puncte categoria A	**0**			
Total puncte categoria B	**8**			
Total puncte A* + A + B	**8**			

Numarul publicatiei care citeaza	Referinta bibliografica a publicatiei care citeaza lucrarea de mai sus	Tip*	s_k	Poz	x
1	Aruna, S., Nandakishore, L.V. (2022). Empirical Analysis of the Effect of Resampling on Supervised Learning Algorithms in Predicting the Types of Lung Cancer on Multiclass Imbalanced Microarray Gene Expression Data. In: Ramu, A., Chee Onn, C., Sumithra, M. (eds) International Conference on Computing, Communication, Electrical and Biomedical Systems. EAI/Springer Innovations in Communication and Computing. Springer, Cham. https://doi.org/10.1007/978-3-030-86165-0_2	SENSE / capitol Springer	4		
2	Hosseinzadeh, F., KayvanJoo, A.H., Ebrahimi, M. et al. Prediction of lung tumor types based on protein attributes by machine learning algorithms. SpringerPlus 2, 238 (2013). https://doi.org/10.1186/2193-1801-2-238	AIS 2016, pp.350, poz. 29	4		
3	Dumitru, D., Prediction of recurrent events in breast cancer using Naive Bayesian classification, Annals of University of Craiova, Math. Comp. Sci, Vol. 36(2), 92-96, 2009	SCOPUS	2		

Citari pentru lucrarea	$\sum_k s_k$	n	ni	$\frac{1}{n_i}\sum_k s_k$
Smaranda Belciug, Patients length of stay grouping using the hierarchical clustering algorithm, The 9th International Conference on Artificial Intelligence and Digital Communications, Craiova September, Annals of the University of Craiova, Mathematics and Computer Science Series, ISSN 1223-6934,Vol 36, No 2, pp. 79-84, 2009.	25	1	1	**25**
Total puncte categoria A*	**0**			

Total puncte categoria A	**8**
Total puncte categoria B	**8**
Total puncte A* + A + B	**16**

Numarul publicatiei care citeaza	**Referinta bibliografica a publicatiei care citeaza lucrarea de mai sus**	**Tip***	**s_k**	**Poz**	**x**
1	Mallika, C., Selvamuthukumaran, S. (2022). Technological Perspective on Precision Medicine in the Context of Big Data—A Review. In: Kumar, A., Ghinea, G., Merugu, S., Hashimoto, T. (eds) Proceedings of the International Conference on Cognitive and Intelligent Computing. Cognitive Science and Technology. Springer, Singapore. https://doi.org/10.1007/978-981-19-2350-0_54	SENSE / capitol Springer	4		
2	Shirzad, E., Ataei, G., & Saadatfar, H. (2021). Applications of data mining in healthcare area: A survey. Engineering and Applied Science Research, 48(3), 314–323. Retrieved from https://ph01.tci-thaijo.org/index.php/easr/article/view/241487	SCOPUS	2		
3	Naoui, Mohammed Anouar, Lejdel, Brahim, Ayad, Mouloud, Belkeiri, Riad and Khaouazm, Abd Sattar. "Integrating deep learning, social networks, and big data for healthcare system" Bio-Algorithms and Med-Systems, vol. 16, no. 1, 2020, pp. 20190043. https://doi.org/10.1515/bams-2019-0043	BDI	1		
4	Ruogu Fang, Yao Xiao, Jianqiao Tian, Samira Pouyanfar, Yimin Yang, Shu-Ching Chen, S. S. Iyengar, Big Data in Computational Health Informatics, Big Data in Multimodal Medical Imaging, CRC, 2019	SENSE/ Capitol CRC	4		
5	RS Devi, A comprehensive and experimental survey on medical data classification and pattern recognition, Methods, 2018	AIS 2017, pp. 14, poz. 12	8		
6	S. HariniM. SubbiahM. R. Srinivasan, Fitting Length of Stay by Multi Stage Classification of Covariates Using Transformed Gamma–Pareto Distribution, Journal of the Indian Society for Probability and Statistics, 1-16, 2018	BDI	1		
7	Ogbuabor, G., Ugwoke, F.N, Clustering algorithm for a healthcare dataset using silhouette score value, International Journal of Computer Sciene and Information Technology, Vol 10, 2, 2018	BDI	1		

8	Subathra D, A comprehensive and Experimental Survey on medical data classification and pattern recognirion, IJSRSET,4,4 1521-1537 (2018)	BDI	1		
9	R Karthiyayini, R Balasubramanian,A Survey in Health Care Data Using Data Mining Techniques, Data Mining and Knowledge Engineering, Vol 7, no 2., http://www.ciitresearch.org/dl/index.php/dmke/article/view/DMKE022015010. 2015	BDI	1		
10	Xhemal Zenuni, , Bujar Raufi, Florije Ismaili, Jaumin Ajdari,State of the Art of Semantic Web for Healthcare,Procedia - Social and Behavioral Sciences,Volume 195, 3 July 2015, Pages 1990–1998, 2015	BDI	1		
11	Tomar, D., Agarwal, S., A survery on Data Mining approaches for Healthcare, International Journal of Bio-Science and Bio-Technology, Vol. 5, No. 5, 241-266, 2013,	BDI	1		

Citari pentru lucrarea	$\sum_k s_k$	**n**	**ni**	$\frac{1}{n_i}\sum_k s_k$
Smaranda Belciug, Monica Lupsor, A multi-layer based procedure for detecting liver fibrosis, Annals of the University of Craiova, Mathematics and Computer Science Series, ISSN 1223-6934, Vol. 36, No. 1,pp. 64-70, 2009.	4	2	1	**4**

Total puncte categoria A*	**0**
Total puncte categoria A	**0**
Total puncte categoria B	**0**
Total puncte A* + A + B	**0**

Numarul publicatiei care citeaza	**Referinta bibliografica a publicatiei care citeaza lucrarea de mai sus**	**Tip***	**s_k**	**Poz**	**x**
1	Ansari, S., Shafi, I., Ahmad, J., Shah, S.I., Determination of hepatotropic virus in human metabolism using artificial neural networks, Proceedings of the 6th IEEE International Conference on Emerging Technologies, 11-15, 2010.	C	2		
2	Ansari,S., Shafi, I., Ahmad J., Ismail Shah, S., Neural Network-based approach for the non-invasive diagnosis and classification of hepatotropic viral disease, IET Communications, Vol. 6, Issue 18, 3265-3273, 2012	AIS 2016, pp.171 poz 164	2		

Citari pentru lucrarea	$\sum_k s_k$	**n**	**ni**	$\frac{1}{n_i}\sum_k s_k$

Smaranda Belciug, Elia El-Darzi, A partially connected neural network-based approach with application to breast cancer detection and recurrence, IEEE Conference on Intelligent Systems, IS2010, 191-196, 2010, London, UK, 2010.	12	2	1	**12**
Total puncte categoria A*	**0**			
Total puncte categoria A	**8**			
Total puncte categoria B	**0**			
Total puncte A* + A + B	**8**			

Numarul publicatiei care citeaza	**Referinta bibliografica a publicatiei care citeaza lucrarea de mai sus**	**Tip***	**s_k**	**Poz**	**x**
1	Amin Rezaeipanah, Gholamreza Ahmadi, Breast Cancer Diagnosis Using Multi-Stage Weight Adjustment In The MLP Neural Network, Computer Journal, Volume 65, Issue 4, April 2022, Pages 788–804,	IF 2022, pp 139, poz 34	2		
2	Mason, K., Duggan, J., Howley, E., A multi-objective neural network trained with differential evolution for dynamic economic emission dispatch, Internationa Journal of Electrical power and energy systems,DOI:10.1016/j.ijepes.2018.02.021, 2018	IF 2018, pp. 229, poz. 45	8		
3	Mc Leod, P., Verma, B., Multi-cluster support vector machine classifier for the classification of suspicious areas in digital mammograms, International Journal of Computational Intelligence and Applications 10 (4) , pp. 481-494, 2011.	SCOPUS	2		

Citari pentru lucrarea	$\sum_k s_k$	**n**	**ni**	$\frac{1}{n_i}\sum_k s_k$
Florin Gorunescu, Marina Gorunescu,Elia El-Darzi, **Smaranda Belciug (Gorunescu)** 2010, A statistical framework for evaluating neural networks to predict recurrent events in breast cancer, International Journal of General Systems -Taylor&Francis, ,ISSN 1563-5104 (electronic) 0308-1079, issue 5, vol. 39, 471-488	31	4	2	**15,5**
Total puncte categoria A*	**0**			
Total puncte categoria A	**12**			
Total puncte categoria B	**0**			
Total puncte A* + A + B	**12**			

Numarul publicatiei care citeaza	Referinta bibliografica a publicatiei care citeaza lucrarea de mai sus	Tip*	s_k	Poz	x
1	D Lichtblau, C Stoean, Cancer diagnosis through a tandem of classifiers for digitized histopathological slides, Plos one, https://doi.org/10.1371/journal.pone.0209274, 2019	AIS 2019, pp. 392, poz. 17	8	1	3,2
2	Mircea-Sebastian Serbanescu, Genetic algorithm/extreme learning machine paradigm for cancer detection, Annals of the University of Craiova, Mathematics and Computer Science series, 46, 2, 2019	SCOPUS	2		
3	Del Vecchio, C., Verrilli, F., Glielmo, L., When sex matters: a complete model of X-linked diseases, International Journal of General Systems 47(6), pp. 549-568, 2018	IF 2018, pp 160, poz 15	8		
4	Murugavel, A.S.M., Ramakrishnan, S., Balasamy, K., Gopalakrishnan, T., Lyapunov features based EEG signal classification by multi-class SVM, Proceedings of the IEEE World Congress on Information and Communication Technologies, 197-201, 2011	IEEE Conf	1		
5	Garg, L., McClean, S., Meenan, B.J., Millard, P., Phase-type survival trees and mixed distribution survival trees for clustering patients' hospital length of stay, Informatica, 22 (1), 57-72, 2011	AIS 2016, pp. 107, poz. 103	2		
6	Gonzalez-Carrasco, I., Garcia-Crespo, A., Mezcua, B.R., Lopez-Cuadrado, J.L., Colomo-Palacios, R., Towards a framework for multiple artificial neural network topologies validation by means of statistics, Expert Systems, DOI: 10.1111/j.1468-0394.2012.00653.x, 2012,	AIS 2016, pp.120 poz 91	2		
7	Serisier, S., Feugier, A., Delmotte, S., Biourge, V., German, A.J., Seasonal variation in the voluntary food intake of domesticated cats (felis catus), PLoS one, Published: April 23, 2014, DOI: 10.1371/journal.pone.0096071	AIS 2016 pp. 349, poz. 13	8		
Citari pentru lucrarea	$\sum_k s_k$	**n**	**ni**	$\frac{1}{n_i}\sum_k s_k$	

Smaranda Belciug, Florin Gorunescu, Marina Gorunescu, Abdel Badeeh , B.,2010, Assessing Performances of Unsupervised and Supervised Neural Networks in Breast Cancer Detection,The 7th International Conference on INFOrmatics and Systems (INFOS 2010) Advances in Data Engineering and Management (ADEM)– March, 28-30, 2010, Cairo, 80-87., ISBN 978-9-7740-3396-4.	20	4	2	**10**
Total puncte categoria A*	**0**			
Total puncte categoria A	**4**			
Total puncte categoria B	**2**			
Total puncte A* + A + B	**6**			

Numarul publicatiei care citeaza	**Referinta bibliografica a publicatiei care citeaza lucrarea de mai sus**	**Tip***	**s_k**	**Poz**	**x**
1	G. M. Harshvardhan et al., On the Dynamics and Feasibility of Transferred Inference for Diagnosis of Invasive Ductal Carcinoma: A Perspective,IEEE Access, vol. 10, pp. 30870-30889, 2022, doi: 10.1109/ACCESS.2022.3159700.	IF 2022, pp 114, poz 38	4		
2	Mircea-Sebastian Serbanescu, Genetic algorithm/extreme learning machine paradigm for cancer detection, Annals of the University of Craiova, Mathematics and Computer Science series,, 46, 2, 2019	Scopus	2		
3	Palaniammal, V., Chandrasekaran, R.M., Analysis for breast cancer diagnosis using KNN classification, International Journal of Applied Engineering Research 9(22), pp. 14233-14241, 2014	SCOPUS	2		
4	Gharehchopogh, F.S., Molany, M., Mokri, F.D., Using artificial neural network in diagnosis of thyroid disease: a case study., International Journal of Computational Sciences and Applications, Vol. 3, No. 4, 49-61, 2013	SCOPUS	2		
5	Beg, M. M., Jain, M., 2012, an Analysis of the methods employed for Breast Cancer Diagnosis, International Journal of Research in Computer Science, ISSN: 2278 – 733X, 2, 25-29	BDI	1		
6	Kaur, G., Kaur Sidhu, B., Proposing efficient neural network training model for thyroid disease diagnosis, International Journal for Technological Research in Engineering, Vol. I, Issue 11, 1383 - 1386, 2014	BDI	1		

7	Annastassiou, G.A, Intelligent Mathematics: Computational Analysis, Springer, 2011.		SENSE / book Springer	8		
Citari pentru lucrarea		$\sum_k s_k$	**n**	**ni**	$\frac{1}{n_i}\sum_k s_k$	
Adrian Saftoiu, Peter Vilmann, Florin Gorunescu, Dan Ionut Gheonea, Marina Gorunescu, **Smaranda Belciug**,, Endoscopic ultrasound elastography in the diagnosis of pancreatic cancer, Annals of Gastroenterology Volume 23, Issue 3, 2010, Pages 200-201		4	6	4	**1**	
Total puncte categoria A*		**0**				
Total puncte categoria A		**0**				
Total puncte categoria B		**0**				
Total puncte A* + A + B		**0**				
Numarul publicatiei care citeaza	**Referinta bibliografica a publicatiei care citeaza lucrarea de mai sus**		**Tip***	**s_k**	**Poz**	**x**
1	Best, L.M.J., Rawji, V., Pereira, S.P., Davidson, B.R., Gurusamy, K.S., Imaging modalities for characterising focal pancreatic lesions, Cochrane Database of Systematic Reviews 2017(4),CD010213, 2017		SCOPUS	2		
2	Badea, R., Zaro, R., Tanţău, M., Chiorean, L., Ultrasonography of the biliary tract - up to date. The importance of correlation between imaging methods and patients' signs and symptoms, Medical Ultrasonography 17(3), pp. 383-391, 2015		AIS 2016 pp. 278, poz 98,	2		
Citari pentru lucrarea		$\sum_k s_k$	**n**	**ni**	$\frac{1}{n_i}\sum_k s_k$	
Dan Ionut Gheonea, Adrian Săftoiu, Tudorel Ciurea, Florin Gorunescu, Sevastita Iordache, Gabriel Popescu, **Smaranda Belciug,** Marina Gorunescu, Larisa Săndulescu, 2010, Real-time sono-elastography in the diagnosis of diffuse liver diseases, World J Gastroentero, ISSN 1007-9327 vol 16, issue14, 1720I-1726I, doi: 10.3748/wjg.v16.i14.1720		95	9	7	**13,57142857**	
Total puncte categoria A*		**1,714285714**				
Total puncte categoria A		**4,571428571**				
Total puncte categoria B		**5,142857143**				

Total puncte A* + A + B		**11,42857143**			
Numarul publicatiei care citeaza	**Referinta bibliografica a publicatiei care citeaza lucrarea de mai sus**	**Tip***	**s_k**	**Poz**	**x**
1	Cepeda, Santiago MD, PhD*; García-García, Sergio MD*; Arrese, Ignacio MD, PhD*; Velasco-Casares, María MD‡; Sarabia, Rosario MD, PhD*. Advantages and Limitations of Intraoperative Ultrasound Strain Elastography Applied in Brain Tumor Surgery: A Single-Center Experience. Operative Neurosurgery: May 2022 - Volume 22 - Issue 5 -	AIS 2022, pp. 538, poz. 26	4		
2	Li, Y. et al., Shear Wave Velocity Estimation Using the Real-Time Curve Tracing Method in Ultrasound Elastography, Appl. Sci. 2021, 11(5), 2095; https://doi.org/10.3390/app11052095	IF 2021, pp. 401, poz. 73	4		
3	Abraham Tsitlakidis, Elias C. Aifantis, Aristeidis Kritis, Anastasia S. Tsingotjidou, Angeliki Cheva, Panagiotis Selviaridis & Nicolas Foroglou (2020) Mechanical properties of human glioma, Neurological Research, 42:12, 1018-1026, DOI: 10.1080/01616412.2020.1796381	AIS 2020, pp. 77, poz. 163	2		
4	Yu, Li, et al., Shear Wave Velocity Estimation Using the Real-Time Curve Tracing Method in Ultrasound Elastography, Appl. Sci. 2021, 11(5), 2095; https://doi.org/10.3390/app11052095	zona galbena, pp 401, poz 73, IS 2021	4		
5	Castro, L., García-Mejido, J.A., Arroyo, E. et al. Influence of epidemiological characteristics (age, parity and other factors) in the assessment of healthy uterine cervical stiffness evaluated through shear wave elastography as a prior step to its use in uterine cervical pathology . Arch Gynecol Obstet 302, 753–762 (2020). https://doi.org/10.1007/s00404-020-05671-7	SCOPUS	2		
6	Santiago Cepeda, et al., Intraoperative Ultrasonographic Elastography: A Semi-Quantitative Analysis of Brain Tumor Elasticity Patterns and Peritumoral Region, World Neurosurgery Volume 135, March 2020, Pages e258-e270	AIS 2020, pp. 454, poz. 112	4	12	19,8
7	Chen, Y., Luo, Y., Huang, W., (...), Yang, N., Yan, H., Machine-learning-based classification of real-time tissue elastography for hepatic fibrosis in patients with chronic hepatitis B, Computers in Biology and Medicine 89, pp. 18-23, 2017	IF 2017, pp. 178, poz. 19	4		

8	Amador Carrascal, C., Chen, S., Manduca, A., Greenleaf, J.F., Urban, M.W., Improved Shear Wave Group Velocity Estimation Method Based on Spatiotemporal Peak and Thresholding Motion Search, IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control 64(4),7814321, pp. 660-668, 2017	IF 2017, pp. 1, poz. 4	8		
9	Hernandez-Andrade, E., Hassan, S.S., Ahn, H., Korzeniewski, S.J., Yeo, L., Chaiworapongsa, T., Romero, R., Evaluation of cervical stiffness during pregnancy using semquantitative ultrasound elastography, Ulstrasound in Obstetrics & Gynecology, Vol 41, Issue 2, DOI: 10.1002/uog.12344, 2013 (PubMed)	AIS 2016 pp.1 poz.1,	12	1	1,8
10	Gradinaru-Tascau, O., Sporea, I., Bota, S., Jurchis, A., Popescu, A., Popescu, M., Sirli, R., Szilaski, M., Does experience play a role in the ability to perform liver stiffness measurements by means of supersonic shear imaging SSI), Med. Ulstron., Vol 15, no 3., 180-183, 2013, (PubMed)	AIS 2016, pp.478, poz. 98	2		
11	Bhargava, S., Bhargava, S.K., Sharma, S., Prakash, M., Elastography: A new Imagining Technique and its Applications, JIMSA, Vol 26, no 1., 2013, (PubMed).	BDI	1		
12	Sporea, I., Popescu A., Real-time elastography (RT-E), Hepatic Elastography Using Ultrasound Waves, 85-95, 2012, (PubMed)	BDI	1		
13	Salvatore, V., 2011, Changes in tumor stiffness for early prediction of tumor response to sorafenib: a proof-of-concept study with elastosonography in an animal model of Hepatocellular Carcinoma (HCC), Tesi di Dottorato dell'Alma Mater Studiorum - Università di Bologna	BDI	1		
14	O'tega, A.E., 2012, Optical/acoustic radiation imaging (OARI) probe developed for epithelial cancer detection, Doctoral dissertation, the George Washington University.	PhD	1		
15	Edwin Quarello, Romain Lacoste, Julien Mancini,Sandrine Melot - Dusseau and Guillaume Gorincour, Feasibility and reproducibility of ShearWaveTM elastography of fetal baboon organs, Prenatal diagnosis, DOI: 10.1002/pd.4655, 2015	AIS 2016 pp. 375, poz. 18	4		
16	Paparo, F., Cevasco, L., Zefiro, D., Biscaldi, E., Bacigalupo, L., Balocco, M., et al., 2013, Diagnostic value of real-time elastography in the assessment of hepatic fibrosis in patients with liver iron overload, European radiology, ISSN:0938-7994, 82(12), e755-e761.	AIS 2016, pp. 475, poz. 15	8		
17	F Paparo, F Corradi, L Cevasco, M Revelli, A Marziano, 2014, Real-Time Elastography in the Assessment of Liver Fibrosis: A Review of Qualitative and Semi-quantitative Methods for Elastogram Analysis, Journal of Ultrasound in Medicine, ISSN 0278-4297, doi:10.1016/j.ultrasmedbio.2014.03.021,	AIS 2016, pp.1 poz 14	4		

18	E. Quarelloa, , b, c, , R. Lacosted, J. Mancinie, S. Melot-Dusseaud, G. Gorincourc, Shear waves elastography of the placenta in pregnant baboon, Gynécologie Obstétrique & Fertilité, doi:10.1016/j.gyobfe.2015.01.004, 2015	AIS 2016, pp. 1, poz. 14	4		
19	Lan Ge Baomin Shi Ye Song Yuan Li Shuo Wang Xiuyan Wang, Clinical value of real-time elastography quantitative parameters in evaluating the stage of liver fibrosis and cirrhosis, Experimental and therapeutic medicine, 2015	AIS 2016, pp.334 poz 101	2		
20	Carolina Amador, Pengfei Song, Duane D. Meixner, Shigao Chen, Matthew W. Urban, Improvement of Shear Wave Motion Detection Using Harmonic Imaging in Healthy Human Liver, Ultrasound in Medicine & Biology, doi:10.1016/j.ultrasmedbio.2015.12.012, 2016	AIS 2016 pp.1 poz.6	8		
21	Marques, Susana, et al. "Diagnostic Performance of Real-Time Elastography in the Assessment of Advanced Fibrosis in Chronic Hepatitis C." GE Portuguese Journal of Gastroenterology 23.1 (2016): 13-18.	SCOPUS	2		
22	Qayyum, A., Shahid, R. & Rehman, A. U. (2016) ROLE OF ELASTOGRAPHY AS A SCREENING TEST IN DETECTING EARLY LIVER FIBROSIS IN PATIENTS WITH NORMAL LIVER ARCHITECTURE ON CONVENTIONAL ULTRASOUND. Pakistan Armed Forces Medical Journal, 66 (5), 641-644	BDI	1		
23	Carolina Amador Carrascal ; Shigao Chen ; Armando Manduca ; James F. Greenleaf ; Matthew Urban, Improved shear wave group velocity estimation method based on spatiotemporal peak and thresholding motion search, IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 10.1109/TUFFC.2017.2652143, 2017	IF 2017, pp.1 poz.4	8		
24	Sangwaiya, M. J., Sherman, D. I., Lomas, D. J., Shorvon, P. J., 2013, Latest developments in the imaging of fibrotic liver disease. Acta Radiologica, ISSN: 0284-1851, Published online, doi:10.1177/0284185113510159	AIS 2016 pp.477 poz 64	4	3	12

Citari pentru lucrarea	$\sum_k s_k$	**n**	**ni**	$\frac{1}{n_i}\sum_k s_k$
Florin Gorunescu, Elia, El-Darzi, **Smaranda Belciug,**, Marina Gorunescu, 2010, Patient grouping optimization using a hybrid Self-Organizing Map and Gaussian Mixture Model for length of stay-based clustering system, IEEE Conference on Intelligent Systems, IS2010, July 7-9 2010, London, UK, 173-178, ISBN: 978-4244-5164-7	25	4	2	**12,5**

Total puncte categoria A*	**0**
Total puncte categoria A	**8**
Total puncte categoria B	**0**
Total puncte A* + A + B	**8**

Numarul publicatiei care citeaza	Referinta bibliografica a publicatiei care citeaza lucrarea de mai sus	Tip*	s_k	Poz	x
1	Elalouf, A., Wachtel, G. Queueing Problems in Emergency Departments: A Review of Practical Approaches and Research Methodologies. Oper. Res. Forum 3, 2 (2022). https://doi.org/10.1007/s43069-021-00114-8	BDI	2		
2	S.N. Randive, senapati, R.K., Rahulkar, A.D., A self adaptive optimisation for diabetic retinopathy detection with neural classification, International Journal of Nano and Biomaterials, httpsL//doi.org/10.1504/IJNBM.201.104935, 2020	BDI	1		
3	M.A. Naoui, Lejdel, B., Ayad, M., Belkeiri, R., Khaouazm, A S., Integrating deep learning, social networks, and big data for healthcare system., Bio algorithms and Med Systems, https://doi.org/10.1515/bams-2019-0043, 2020	BDI	1		
4	Lella, L., Licata, I., Length of hospital stay prediction through unorganised turing machines, HEALTHINF 2018 - 11th International Conference on Health Informatics, Proceedings; Part of 11th International Joint Conference on Biomedical Engineering Systems and Technologies, BIOSTEC 2018, 5, pp. 402-407, 2018	SCOPUS	2		
5	Sharma, G., Srivastava, S.K, Impact of genetic algorithm on time series data, 2016 9th International Conference on Contemporary Computing, IC37880236, 2017	SCOPUS	2		
6	Guzman Castillo, M., Modelling patient length of stay in public hospitals in Mexico, University of Southampton, School of Management, Doctoral Thesis, 2012	PhD	1		
7	Xu, M., Wong, T.C., Chin, K.S., A medical procedure-based patient grouping method for an emergency department, Applied Soft Computing, Vol. 14, Part A, 31-37, 2014	AIS 2016, pp.96 poz 36	8	4	6,2
8	Annastassiou, G.A, Intelligent Mathematics: Computational Analysis, Springer, 2011.	SENSE / Springer	8		

Citari pentru lucrarea	$\sum_k s_k$	n	ni	$\frac{1}{n_i}\sum_k s_k$
Belciug,S., Gorunescu,F., Gorunescu, M., Salem, AB., 2010, Clustering-based approach for detecting breast cancer recurrence, Proceedings of the 10th IEEE International Conference on Intelligent Systems Design and Applications (ISDA), Cairo, 29 Nov - 1 Dec, 2010, pp. 533 - 538	74	4	2	**37**

Total puncte categoria A*	**6**
Total puncte categoria A	**8**
Total puncte categoria B	**8**
Total puncte A* + A + B	**22**

Numarul publicatiei care citeaza	**Referinta bibliografica a publicatiei care citeaza lucrarea de mai sus**	**Tip***	**s_k**	**Poz**	**x**
1	Murthy, N.S., Bethala, C. Review paper on research direction towards cancer prediction and prognosis using machine learning and deep learning models. J Ambient Intell Human Comput (2021). https://doi.org/10.1007/s12652-021-03147-3	IF 2021, pp 83, poz 21	8		
2	CS Yu, YJ Lin, CH Lin, ST Wang, SY Lin, Predicting metabolic syndrome with machine learning models using a decision tree algorithm: retrospective cohort study, JMIR Medical Informatics, Vol 8, No 3 (2020): March	BDI	1		
3	WU, C.H., LAM, C.H.Y., XHAFA, F., TANG, V., IP, W.H. (2022). Artificial Intelligence and Data Mining Techniques for the Well-Being of Elderly. In: Wu, C., Lam, C.H., Xhafa, F., Tang, V., Ip, W. (eds) IoT for Elderly, Aging and eHealth. Lecture Notes on Data Engineering and Communications Technologies, vol 108. Springer, Cham. https://doi.org/10.1007/978-3-030-93387-6_6	SENSE / capitol Springer	4		
4	Mohammad Monirujjaman Khan, et al., Advanced Circuits and Systems for Healthcare and Security Applications, J Healthcare Engineering, https://doi.org/10.1155/2022/4365855, 2022	IF 2022, pp 268, poz 6	4		
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Citari pentru lucrarea	$\sum_k s_k$	**n**	**ni**	$\frac{1}{n_i}\sum_k s_k$	

Florin Gorunescu, Marina Gorunescu, Adrian Săftoiu, Peter Vilmann, **Smaranda Belciug**, 2011, Competitive/Collaborative Neural Computing System for Medical Diagnosis in Pancreatic Cancer Detection, Expert Systems, The Journal of Knowledge Engineering, Willey&Blackwell, ISSN 0-266-4720, 28,1,33-44	58	5	3	**19,33333333**
Total puncte categoria A*	**0**			
Total puncte categoria A	**13,33333333**			
Total puncte categoria B	**4**			
Total puncte A* + A + B	**17,33333333**			

Numarul publicatiei care citeaza	**Referinta bibliografica a publicatiei care citeaza lucrarea de mai sus**	**Tip***	**s_k**	**Poz**	**x**
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13	Almeida, V.G., Borba, J., Pereira, T., Pereira, H.C., Cardoso, J., Correia, C., 2013, Data mining based methodologies for cardiac risk patterns identification, Proceedings of the International Conference on Bioinformatics Models, Methods and Algorithms BIOINFORMATICS; Barcelona; Spain; 11-14 Febr 2013, Code 97036, pp127-133	BDI	1		

Citari pentru lucrarea	$\sum_k s_k$	**n**	**ni**	$\frac{1}{n_i}\sum_k s_k$
Florin Gorunescu, **Smaranda Belciug,** Marina Gorunescu, Radu Badea, 2012, Intelligent decision-making for liver fibrosis stadializationbased on tandem feature selection and evolutionary-driven neural network , Expert Systems With Applications, ISSN 0957-4174, vol 39,17, 12824-12832, doi: 10.1016/j.eswa.2012.05.011	45	4	2	**22,5**

Total puncte categoria A*	**0**
Total puncte categoria A	**8**
Total puncte categoria B	**6**

Total puncte A* + A + B		**14**			
Numarul publicatiei care citeaza	**Referinta bibliografica a publicatiei care citeaza lucrarea de mai sus**	**Tip***	**s_k**	**Poz**	**x**
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Citari pentru lucrarea	$\sum_k s_k$	**n**	**ni**	$\frac{1}{n_i}\sum_k s_k$	
Smaranda Belciug, Mircea Serbanescu, Florin Gorunescu, Radu Badea, Evolutionary-based intelligent decision model to optimize the liver fibrosis stadialization, (2013) Annals of the University of Craiova, Mathematics and Computer Science Series, 40 (2) , pp. 237-248.	2	4	2	**1**	

Total puncte categoria A*	**0**
Total puncte categoria A	**32**
Total puncte categoria B	**4**
Total puncte A* + A + B	**36**

Numarul publicatiei care citeaza	**Referinta bibliografica a publicatiei care citeaza lucrarea de mai sus**	**Tip***	**s_k**	**Poz**	**x**
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Citari pentru lucrarea	$\sum_k s_k$	**n**	**ni**	$\frac{1}{n_i}\sum_k s_k$
Smaranda Belciug, Florin Gorunescu, 2013, A hybrid neural network/genetic algorithm system applied to the breast cancer detection and reccurence, Expert Systems, The Journal of Knowledge Engineering, Willey & Blackwell, ISSN 0266-4720, vol 30, 3, 243-254	95	2	1	**95**

Total puncte categoria A*	**0**
Total puncte categoria A	**64**
Total puncte categoria B	**8**
Total puncte A* + A + B	**72**

Numarul publicatiei care citeaza	**Referinta bibliografica a publicatiei care citeaza lucrarea de mai sus**	**Tip***	**s_k**	**Poz**	**x**
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19	Binghuang Cai, Xian Jiang, A novel artificial neural method for biomedical prediction based on matrix pseudo-inversion, Journal of Biomedical Informatics, http://dx.doi.org/10.1016/j.jbi.2013.12.009, 18 Decembrie 2013.	AIS 2016 pp.109, poz.24	8		

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21	Padmapriya, B., Velmurugan T., A survey on Breast Cancer analysis using data mining techniques, IEEE International Conference on Computational Intelligence and Computing Research, pp. 1234-1237, 2014.	CORE	1		
22	Leonid Nakhimovich Yasnitsky1,*, Andrew Arturovich Dumler, Alexander Nikolaevich Poleshuk, Cyril Vladimirovich Bogdanov, Fedor Mihailovich Cherepanov3, Artificial Neural Networks for Obtaining New Medical Knowledge: Diagnostics and Prediction of Cardiovascular Disease Progression, Yasnitsky et al., Biol Med (Aligarh) 2015, 7:2	BDI	1		
23	S Shahrokhi Tehrani, Fault Detection, Isolation and Identification of Autonomous Underwater Vehicles Using Dynamic Neural Networks and Genetic Algorithms, Phd, 2015	PhD	1		
24	José Neves1,Tiago Guimarães, Sabino Gomes, Henrique Vicente,Mariana Santos, João Neves, José Machado, and Paulo Novais, Logic Programming and Artificial Neural Networks, in Breast Cancer Detection, IWANN 2015, Part II, LNCS 9095, pp. 211–224, 2015. DOI: 10.1007/978-3-319-19222-2_18 , 2015	CORE	4		
25	Attallah, Omneya. The risk of re-intervention after endovascular aortic aneurysm repair. Diss. Aston University, 2016.	PhD	1		
26	Nayak, Tanistha, et al. "Evolutionary Neural Networks versus Adaptive Resonance Theory Net for Breast Cancer Diagnosis." Proceedings of the International Conference on Informatics and Analytics. ACM, 2016.	BDI	1		

Citari pentru lucrarea	$\sum_k s_k$	**n**	**ni**	$\frac{1}{n_i}\sum_k s_k$
Gorunescu, F., **Belciug, S.**, 2014, Evolutionary strategy to develop learning-based decision systems. Application to Breast Cancer and Liver Fibrosis Stadialization, Journal of Biomedical Informatics, http://dx.doi.org/10.1016/j.jbi.2014.02.001, vol. 49, pp. 112-118,ISSN 1532-0464,2014.	112	2	1	**112**
Total puncte categoria A*	**0**			
Total puncte categoria A	**56**			

Total puncte categoria B	**36**
Total puncte A* + A + B	**92**

Numarul publicatiei care citeaza	**Referinta bibliografica a publicatiei care citeaza lucrarea de mai sus**	**Tip***	**s_k**	**Poz**	**x**
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3	Sunil Kumar Jha, Jinwei Wang,Raju Shanmugam, An accurate soft diagnosis method of breast cancer using the operative fusion of derived features and classification approaches Expert Systems https://doi.org/10.1111/exsy.12976, 2022	IF 2022, pp 137, poz 10	4		
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5	Selvam, R.P., Oliver, A.S., Mohan, V., Prakash, N.B., Jayasankar, T. (2022). Explainable Artificial Intelligence with Metaheuristic Feature Selection Technique for Biomedical Data Classification. In: Khamparia, A., Gupta, D., Khanna, A., Balas, V.E. (eds) Biomedical Data Analysis and Processing Using Explainable (XAI) and Responsive Artificial Intelligence (RAI). Intelligent Systems Reference Library, vol 222. Springer, Singapore. https://doi.org/10.1007/978-981-19-1476-8_4	SENSE / Capitol Springer	4		
6	Xu-DongLiJie-ShengWang et al., Multi-layer perceptron classification method of medical data based on biogeography-based optimization algorithm with probability distributions, Applied Soft Computing Volume 121, May 2022, 108766	IF 2022, pp 121, poz 11	8		

7	Qingxiong Tan, Mang Ye, Andy Jinhua Ma, Terry Cheuk-Fung Yip, Grace Lai-Hung Wong, Pong C Yuen, Importance-aware personalized learning for early risk prediction using static and dynamic health data, Journal of the American Medical Informatics Association, Volume 28, Issue 4, April 2021, Pages 713–726, https://doi.org/10.1093/jamia/ocaa306	IF 2021, pp 225, poz 20	8		
8	Aijaz Ahmad Reshi, et al., Diagnosis of vertebral column pathologies using concatenated resampling with machine learning algorithms, PeerJ Computer Science, https://peerj.com/articles/cs-547/, 2022	AIS 2022, pp 134, poz 14	8		
9	Ibomoiye DomorMienyeYanxiaSun, Performance analysis of cost-sensitive learning methods with application to imbalanced medical data, Informatics in Medicine Unlocked Volume 25, 2021, 100690	SCOPUS	2		
10	Gnanasekaran, Vaira S.; Joypaul, Sutha; Sundaram, Parvathy Meenakshi, A Survey on Machine Learning Algorithms for the Diagnosis of Breast Masses with Mammograms, Volume 16, Number 6, 2020, pp. 639-652(14)	IF 2020, pp 471, poz 123	2		
11	Ambika, M. et al. 'Intelligence – Based Decision Support System for Diagnosing the Incidence of Hypertensive Type'. , JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, 1 Jan. 2020 : 1811 – 1825.	IF 2020, pp 92, poz 79	2		
12	DejanOprić, et al., Fractal analysis tools for early assessment of liver inflammation induced by chronic consumption of linseed, palm and sunflower oils, Biomedical Signal Processing and Control Volume 61, August 2020, 101959	IF 2020, pp 156, poz 32	4		
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21	Huiru et al., Multiscale Computing in Systems Medicine: a Brief Reflection,2018 IEEE International Conference on Bioinformatics and Biomedicine (BIBM),10.1109/BIBM.2018.8621361, 2018	BDI	1		
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Citari pentru lucrarea	$\sum_k s_k$	**n**	**ni**	$\frac{1}{n_i}\sum_k s_k$
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Total puncte categoria A*	**0**
Total puncte categoria A	**32**
Total puncte categoria B	**28**
Total puncte A* + A + B	**60**

Numarul publicatiei care citeaza	Referinta bibliografica a publicatiei care citeaza lucrarea de mai sus	Tip*	s_k	Poz	x
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2	Zafari, H. et al. (2021). Using Deep Learning with Canadian Primary Care Data for Disease Diagnosis. In: Elloumi, M. (eds) Deep Learning for Biomedical Data Analysis. Springer, Cham. https://doi.org/10.1007/978-3-030-71676-9_12	SENSE / Capitol Springer	4		
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10	Klikushin, Y.N., Koshekova, B.V., Koshekov, A.K., (...), Savostina, G.V., Astapenko, N.V., The method for identification complex signals using the example of preliminary diagnosis of a myocardial infarction, IEEE International Conference on Power, Control, Signals and Instrumentation Engineering, ICPCSI 2017 pp. 6-11, 2018	SCOPUS	2		
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Citari pentru lucrarea	$\sum_k s_k$	**n**	**ni**	$\frac{1}{n_i}\sum_k s_k$
Smaranda Belciug, Florin Gorunescu, Improving hospital bed occupancy and resource utilization through queing modeling and evolutionary computation, Journal of Biomedical Informatics, ISSN 1532-0464, vol. 53, pp. 261-269, 2015.	154	2	1	**154**

Total puncte categoria A*	**12**
Total puncte categoria A	**112**
Total puncte categoria B	**12**
Total puncte A* + A + B	**136**

Numarul publicatiei care citeaza	**Referinta bibliografica a publicatiei care citeaza lucrarea de mai sus**	**Tip***	**s_k**	**Poz**	**x**

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12	Luo, L., Li, J., Xu, X., Shen, W., Xiao, L., A data-driven hybrid three stage framework for hospital bed allocation: a case study in a large tertiary hospital in China, Computational and Mathematical Mehtods in Medicine, 7370231, 2019	IF 2019, pp 312, poz 38	2		
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24	Ping-Shun Chen, Ming-Han Lin, Development of simulation optimization methods for solving patient referral problems in the hospital-collaboration environment, Journal of Biomedical Informatics Volume 73, September 2017, Pages 148-158	zona rosie pp.109, poz.24 AIS 2016	8		
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Smaranda Belciug, Florin Gorunescu, A hybrid genetic algorithm - queuing multi-compartment model for optimizing inpatient bed occupancy and associated cost, Artificial Intelligence in Medicine, DOI: 10.1016/j.artmed.2016.03.001, 68, 59-69, IF: 2.705, 2016.	25	2	1	**25**

Total puncte categoria A*	**0**
Total puncte categoria A	**16**
Total puncte categoria B	**0**
Total puncte A* + A + B	**16**

Numarul publicatiei care citeaza	**Referinta bibliografica a publicatiei care citeaza lucrarea de mai sus**	**Tip***	**s_k**	**Poz**	**x**
1	Gochhait, S., Butt, S.A., De-La-Hoz-Franco, E. et al. A Machine Learning Solution for Bed Occupancy Issue for Smart Healthcare Sector. Aut. Control Comp. Sci. 55, 546–556 (2021). https://doi.org/10.3103/S0146411621060043	BDI	1		
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7	He, L., Chalil Madathil, S., Oberoi, A., Servis, G., Khasawneh, M.T., A systematic review of research design and modeling techniques in inpatient bed management, Computers and Industrial Engineering 127, pp. 451-466, 2019	IF 2019, pp 117, poz. 24	8		

Citari pentru lucrarea	$\sum_k s_k$	**n**	**ni**	$\frac{1}{n_i}\sum_k s_k$
Zhongheng Zhang, Victor Trevino, Sayed Shahabuddin Hoseini, **Smaranda Belciug**, Arumugam Manivanna Boopathi, Ping Zhang, Florin Gorunescu, Velappan Subha, Songshi Dai, Variable selection in Logistic regression model with genetic algorithm, nnals of translational medicine, 6, 3, 2018	66	9	7	**9,428571429**

Total puncte categoria A*	**0**
Total puncte categoria A	**8**
Total puncte categoria B	**0,571428571**
Total puncte A* + A + B	**8,571428571**

Numarul publicatiei care citeaza	Referinta bibliografica a publicatiei care citeaza lucrarea de mai sus	Tip*	s_k	Poz	x
1	Subha Velappan, Manivanna Boopathi Arumugam, Zafer Comert, Enhanced Classification Performance of Cardiotocogram Data for Fetal State Anticipation Using Evolutionary Feature Reduction Techniques, Handbook of Artificial Intelligence in Biomedical Engineering, Taylor and Francis, 2021	SENSE / Capitol Taylor and Francis	8		
2	Z Li, Y Du, Y Xiao, L Yin , Predicting Grating Orientations With Cross-Frequency Coupling and Least Absolute Shrinkage and Selection Operator in V1 and V4 of Rhesus Monkeys, Frontiers in Computational Neuroscience, https://doi.org/10.3389/fncom.2020.6051, 2020	IF 2020, pp. 283, poz. 16	8	1	3
3	M. El Guide, K. Jbilou, C. Koukouvinos & A. Lappa (2022) Comparative study of L1 regularized logistic regression methods for variable selection, Communications in Statistics - Simulation and Computation, DOI: 10.1080/03610918.2020.1752379	IF 2020, pp. 546, poz. 29	2		
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Citari pentru lucrarea	$\sum_k s_k$	**n**	**ni**	$\frac{1}{n_i}\sum_k s_k$
Floring Gorunescu, Smaranda Belciug (2016) Boosting backpropagation algorithm by stimulus-sampling: application in computer-aided medical diagnosis. J Biomed Inform 63:74–81.	38	2	1	**38**

Total puncte categoria A*	**0**
Total puncte categoria A	**16**
Total puncte categoria B	**12**
Total puncte A* + A + B	**28**

Numarul publicatiei care citeaza	**Referinta bibliografica a publicatiei care citeaza lucrarea de mai sus**	**Tip***	**s_k**	**Poz**	**x**
1	Jones OT, Calanzani N, Saji S, Duffy SW, Emery J, Hamilton W, Singh H, de Wit NJ, Walter FM, Artificial Intelligence Techniques That May Be Applied to Primary Care Data to Facilitate Earlier Diagnosis of Cancer: Systematic Review,J Med Internet Res 2021;23(3):e23483, doi: 10.2196/23483	IF 2021, pp 225, poz 10	8		
2	Nitin Shivsharan, Sanjay Ganorkar, Diabetic Retinopathy Detection Using Optimization Assisted Deep Learning Model: Outlook on Improved Grey Wolf Algorithm, International Journal of Image and GraphicsVol. 21, No. 03, 2150035 (2021)	BDI	1		

3	Hosseinzadeh, M., Ahmed, O.H., Ghafour, M.Y. et al. A multiple multilayer perceptron neural network with an adaptive learning algorithm for thyroid disease diagnosis in the internet of medical things. J Supercomput 77, 3616–3637 (2021). https://doi.org/10.1007/s11227-020-03404-w	IF 2021, pp. 89, poz. 26	4		
4	Ryad Zemouri, Noureddine Zerhouni and Daniel Racoceanu, Deep Learning in the Biomedical Applications:Recent and Future Status, Applied sciences Basel, Appl. Sci. 2019, 9(8), 1526; https://doi.org/10.3390/app9081526	IF 2019, pp. 446 poz 67	4		
5	Kim EJ, Woo HS, Cho JH, Sym SJ, Baek J-H, Lee W-S, et al. (2019) Early experience with Watson for oncology in Korean patients with colorectal cancer. PLoS ONE 14(3): e0213640. https://doi.org/10.1371/journal.pone.0213640	AIS 2019, pp. 392, poz. 17	8	1	3,2
6	Nair, A.T., Muthuvel, K., Blood vessel segmentation and diabetic retinopathy recognition: an intelligent approach, Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 2019	SCOPUS	2		
7	Wibowo, A., Setianto, D., Panji Wisnu, W., Jatmiko, W., Optimization of backpropagation using nguyen-widrow and stimulus-sampling for breast cancer classification and feature selection, Journal of Engineering Science and Technology 14(6), pp. 3437-3456, 2019	SCOPUS	2		
8	Ivanescu, R.C., Statistical Learning And Benchmarking: Credit Approval Using Artificial Neural Networks, Egyptian Computer Science Journal Vol. 43 No.1 2019	BDI	1		
9	Aruna Kumari, P., Jaya Suma, G., FGANN: A Hybrid Approach for Medical Diagnosing, SpringerBriefs in Applied Sciences and Technology pp. 127-137, 2019	SCOPUS	2		
10	Sornam, M., Vanitha, V., An improved third term backpropagation algorithm-inertia expanded chebyshev orthogonal polynomial, Journal of Intelligent and Fuzzy Systems 37(3), pp. 3795-3804, 2019	IF 2019, pp. 99, poz 83	2		

11	P. Aruna Kumari, G. Jaya Suma, FGANN: A Hybrid Approach for Medical Diagnosin, Computational Intelligence and Big Data Analytics pp 127-137, 2018	SENSE / Capitol Springer	4		

Citari pentru lucrarea	$\sum_k s_k$	**n**	**ni**	$\frac{1}{n_i}\sum_k s_k$
Florin Gorunescu, **Smaranda Belciug**, Intelligent decision support systems in automated medical diagnosis, Advances in Biomedical Informatics, 161-186, 2018	7	2	1	**7**

Total puncte categoria A*	**0**
Total puncte categoria A	**0**
Total puncte categoria B	**4**
Total puncte A* + A + B	**4**

Numarul publicatiei care citeaza	**Referinta bibliografica a publicatiei care citeaza lucrarea de mai sus**	**Tip***	**s_k**	**Poz**	**x**
1	MicheleCastelluzzo, et al., MiRNA-QC-and-Diagnosis: An R package for diagnosis based on MiRNA expression, Software X, Volume 12, July–December 2020, 100569	BDI	1		
2	W Li, Y Cao, L Li, S Hou , An orthogonal wavelet transform-based K-nearest neighbor algorithm to detect faults in bearings, Shock and Vibration, Volume 2022 |Article ID 5242106 | https://doi.org/10.1155/2022/5242106	IF 2022 pp 1, poz 6	2		
3	J Lu, W Qian, S Li, R Cui , Enhanced K-nearest neighbor for intelligent fault diagnosis of rotating machinery, Appl. Sci. 2021, 11(3), 919; https://doi.org/10.3390/app11030919	If 2021, pp 174, poz 38	4		

Citari pentru lucrarea	$\sum_k s_k$	**n**	**ni**	$\frac{1}{n_i}\sum_k s_k$

Smaranda Belciug, Florin Gorunescu Learning a single-hidden layer feedforward neural network using a rank correlation-based strategy with application to high dimensional gene expression and proteomic spectra datasets in cancer detection, JOURNAL OF BIOMEDICAL INFORMATICS Volume: 83 Pages: 159-166 Published: JUL 2018	88	2	1	**88**

Total puncte categoria A*	**24**
Total puncte categoria A	**48**
Total puncte categoria B	**8**
Total puncte A* + A + B	**80**

Numarul publicatiei care citeaza	**Referinta bibliografica a publicatiei care citeaza lucrarea de mai sus**	**Tip***	**s_k**	**Poz**	**x**
1	S Yin, H Liu, Wind power prediction based on outlier correction, ensemble reinforcement learning, and residual correction, Energy Volume 250, 1 July 2022, 123857	IF 2022, pp. 558, poz. 3	12	3	3
2	B Yesilkaya, M Perc, Y Isler, Manifold learning methods for the diagnosis of ovarian cancer, Journal of Computational Science, https://doi.org/10.1016/j.jocs.2022.101775	IF 2022, pp. 137, poz. 25	8		
3	B Mirza, W Wang, J Wang, H Choi, NC Chung, P Ping, Machine Learning and Integrative Analysis of Biomedical Big Data, Genes, Genes 2019, 10(2), 87; https://doi.org/10.3390/genes10020087.	IF 2019, pp 237, poz 61	4		
4	Raghuwanshi, B.S., Shukla, S. Classifying imbalanced data using BalanceCascade-based kernelized extreme learning machine. Pattern Anal Applic 23, 1157–1182 (2020). https://doi.org/10.1007/s10044-019-00844-w	IF 2020, pp 93, poz 96	2		
5	Lin, X., Zhang, Y., Li, C., Wang, J., Luo, P, Zhou, H., A new data analysis method based on feature linear combination, Journal of Biomedical Informatics Volume 94, June 2019, Article number 103173	AIS 2019, pp. 128, poz.25	8		

6	J. Xu, W. Ding and H. Zhao, "Based on Improved Edge Detection Algorithm for English Text Extraction and Restoration From Color Images," in IEEE Sensors Journal, vol. 20, no. 20, pp. 11951-11958, 15 Oct.15, 2020, doi: 10.1109/JSEN.2020.2964939.	IF 2020 pp. 257, poz 18	8	1	3
7	S Moldovanu, CD Obreja, KC Biswas, L Moraru, Towards Accurate Diagnosis of Skin Lesions Using Feedforward Back Propagation Neural Networks, Diagnostics 2021, 11(6), 936; https://doi.org/10.3390/diagnostics11060936	IF 2021 pag 306, poz 45	8	3	8,4
8	Hosseinzadeh, M., Ahmed, O.H., Ghafour, M.Y. et al. A multiple multilayer perceptron neural network with an adaptive learning algorithm for thyroid disease diagnosis in the internet of medical things. J Supercomput 77, 3616–3637 (2021). https://doi.org/10.1007/s11227-020-03404-w	IF 2021, pp 109, poz 33	8	5	5,4
9	Shobha Rani, N., Rao, C.S., Exploration and evaluation of efficient pre-processing and segmentation technique for breast cancer diagnosis based on mammograms, International Journal of Research in Pharmaceutical Sciences 10(3), pp. 2071-2081	SCOPUS	2		
10	P Zhou, G Chen, M Wang, J Chen, Y Li, Sediment Classification of Acoustic Backscatter Image Based on Stacked Denoising Autoencoder and Modified Extreme Learning Machine, Remote Sens. 2020, 12(22), 3762; https://doi.org/10.3390/rs12223762	IF 2020, pp474, poz 9	8	1	1,4
11	Yu, H., Dai, Q. DWE-IL: a new incremental learning algorithm for non-stationary time series prediction via dynamically weighting ensemble learning. Appl Intell 52, 174–194 (2022). https://doi.org/10.1007/s10489-021-02385-4	IF 2022, pp 98, poz 10	4		
12	Serbanescu, M.S., Genetic algorithm/extreme learning machine paradigm for cancer detection, Annals of the University of Craiova, Mathematics and Computer Science Series, 46, 2, 372-380, 2019	SCOPUS	2		

13	Raghuwanshi, B.S., Shukla, S., Classifying imbalanced data using BalanceCascade-based kernelized extreme learning machine, Pattern Analysis and Applications 3, 2020.	IF 2020, pp. 93, poz. 96	2		
14	Nguyen, H., Bui, XN., Tran, QH. et al. Prediction of ground vibration intensity in mine blasting using the novel hybrid MARS–PSO–MLP model. Engineering with Computers (2021). https://doi.org/10.1007/s00366-021-01332-8	IF 2021, pp 168, poz. 4	12	4	6,8

Citari pentru lucrarea	$\sum_k s_k$	**n**	**ni**	$\frac{1}{n_i}\sum_k s_k$
FlroinGorunescu, Smaranda **Belciug**, 2019. Genetic algorithms for breast cancer diagnostics., 380-388, Elsevier	3	2	1	**3**

Total puncte categoria A*	**0**
Total puncte categoria A	**0**
Total puncte categoria B	**0**
Total puncte A* + A + B	**0**

Numarul publicatiei care citeaza	**Referinta bibliografica a publicatiei care citeaza lucrarea de mai sus**	**Tip***	**s_k**	**Poz**	**x**
1	Bilel Souissi, Ahmed Ghorbel, Upper confidence bound integrated genetic algorithm-optimized long short-term memory network for click-through rate prediction, App Stoc mod in bus and ind, https://doi.org/10.1002/asmb.2671, 2022	BDI	1		
2	Tawseef AyoubShaikh, R Ali, An intelligent healthcare system for optimized breast cancer diagnosis using harmony search and simulated annealing (HS-SA) algorithm,Informatics in Medicine Unlocked Volume 21, 2020, 100408	BDI	1		

3	S Beyaz, K Açıcı, E Sümer, Femoral neck fracture detection in X-ray images using deep learning and genetic algorithm approaches, Jt Dis Relat Surg. 2020 Aug; 31(2): 175–183.	BDI	1		

Citari pentru lucrarea	$\sum_k s_k$	**n**	**ni**	$\frac{1}{n_i}\sum_k s_k$
Smaranda Belciug, Florin Gorunescu, Data Mining-Based Intelligent Decision Support Systems, Intelligent Decision Support Systems—A Journey to Smarter Healthcare, vol. 157, 103--258, 2020	16	2	1	**16**

Total puncte categoria A*	**0**
Total puncte categoria A	**8**
Total puncte categoria B	**8**
Total puncte A* + A + B	**16**

Numarul publicatiei care citeaza	**Referinta bibliografica a publicatiei care citeaza lucrarea de mai sus**	**Tip***	**s_k**	**Poz**	**x**
1	Kose, U., Deperlioglu, O., Alzubi, J., Patrut, B. (2021). Artificial Intelligence and Decision Support Systems. In: Deep Learning for Medical Decision Support Systems. Studies in Computational Intelligence, vol 909. Springer, Singapore. https://doi.org/10.1007/978-981-15-6325-6_1	SENSE / Capitol Springer	4		
2	Dheeb Albashish, Ensemble of adapted convolutional neural networks (CNN) methods for classifying colon histopathological images, PeerJ Computer Science, https://peerj.com/articles/cs-1031/, 2022	AIS 2022, pp. 102, poz. 24	8		
3	Meng, Y., Nazir, S., Guo, J. et al. A decision support system for the uses of lightweight blockchain designs for P2P computing. Peer-to-Peer Netw. Appl. 14, 2708–2718 (2021). https://doi.org/10.1007/s12083-021-01083-9	IF 2021. pp 485, poz 37	4		

Citari pentru lucrarea	$\sum_k s_k$	**n**	**ni**	$\frac{1}{n_i}\sum_k s_k$
Smaranda Belciug, Florin Gorunescu, Era of Intelligent Systems in Healthcare, Intelligent Decision Support Systems—A Journey to Smarter Healthcare, vol. 157, 1-55, 2020	38	2	1	**38**

Total puncte categoria A*	**0**

Total puncte categoria A	**24**
Total puncte categoria B	**4**
Total puncte A* + A + B	**28**

Numarul publicatiei care citeaza	**Referinta bibliografica a publicatiei care citeaza lucrarea de mai sus**	**Tip***	**s_k**	**Poz**	**x**
1	D Rastogi, V Tiwari, S Kumar, Era of Computational Cognitive Techniques in Healthcare Systems, Cognitive Intelligence and Big Data in Healthcare, https://doi.org/10.1002/9781119771982.ch1, 2022	SENSE/Capitol Wiley	8		
2	A Haleem, M Javaid, RP Singh, R Suman, Medical 4.0 technologies for healthcare: Features, capabilities, and applications, Internet of Things and Cyber-Physical Systems Volume 2, 2022, Pages 12-30	SCOPUS	2		
3	Waqas, M., Tu, S., Halim, Z. et al. The role of artificial intelligence and machine learning in wireless networks security: principle, practice and challenges. Artif Intell Rev 55, 5215–5261 (2022). https://doi.org/10.1007/s10462-022-10143-2	IF 2022, pp. 96, poz. 17	8		
4	M Sirohi, M Lall, S Yenishetti, L Panat, Development of a Machine learning image segmentation-based algorithm for the determination of the adequacy of Gram-stained sputum smear images, Medical Journal Armed Forces India Volume 78, Issue 3, July 2022, Pages 339-344	SCOPUS	2		
5	A Kaur, Y Kumar, Analyzing Healthcare Data Using Water Wave Optimization-Based Clustering Technique, International Journal of Reliable and Quality E-Healthcare (IJRQEH) 10(4), 2021	BDI	1		
6	J Lopes, J Braga, MF Santos, Adaptive Business Intelligence platform and its contribution as a support in the evolution of Hospital 4.0, Procedia Computer Science. Volume 184, 2021, Pages 905-910,	SCOPUS	2		

7	Rahmani, A.M.; Yousefpoor, E.; Yousefpoor, M.S.; Mehmood, Z.; Haider, A.; Hosseinzadeh, M.; Ali Naqvi, R. Machine Learning (ML) in Medicine: Review, Applications, and Challenges. Mathematics 2021, 9, 2970. https://doi.org/10.3390/math9222970	IF 2020, pp. 287, poz. 28	8		
8	Shagun Adlakha, Dinesh Yadav, Ramesh Kumar Garg and Deepak Chhabr, Quest for dexterous prospects in AI regulated arena: opportunities and challenges in healthcarea Int J of Healthcare tehnology and management, 18, 1, 22-50, https://doi.org/10.1504/IJHTM.2020.116786, 2020	BDI	1		
9	Kharbat, F.F., Alshawabkeh, A. and Woolsey, M.L. (2021), "Identifying gaps in using artificial intelligence to support students with intellectual disabilities from education and health perspectives", Aslib Journal of Information Management, Vol. 73 No. 1, pp. 101-128. https://doi.org/10.1108/AJIM-02-2020-0054	AIS 2020, pp. 543, poz. 34	4		
10	Berezneva, V.V. , Tatarinov, V.V., Environmental data flow processing information factory, (2019) AIP Conference Proceedings	SCOPUS	2		

Citari pentru lucrarea	$\sum_k s_k$	**n**	**ni**	$\frac{1}{n_i}\sum_k s_k$
Smaranda Belciug, Florin Gorunescu How Can Intelligent Decision Support Systems Help the Medical Research?, Intelligent Decision Support Systems—A Journey to Smarter Healthcare, vol. 157, 71-102, 2020	10	2	1	**10**

Total puncte categoria A*	**0**
Total puncte categoria A	**0**
Total puncte categoria B	**8**
Total puncte A* + A + B	**8**

Numarul publicatiei care citeaza	**Referinta bibliografica a publicatiei care citeaza lucrarea de mai sus**	**Tip***	**s_k**	**Poz**	**x**
1	W Teniwut, C Hasyim, Decision support system in supply chain: A systematic literature review, Uncertain Supply Chain Management, Volume 8 Issue 1 pp. 131-148 , 2020	SCOPUS	2		

2	Samar Shetaban et al., An integrated methodology to control the risk of cardiovascular disease in patients with hypertension and type 1 diabetes, Computational Intelligence, https://doi.org/10.1111/coin.12418, 2021	IF 2021, pp. 85, poz. 80	4	10	13,8
3	Sujit Kumar Das, Pinki Roy,Arnab Kumar Mishra, Oversample-select-tune: A machine learning pipeline for improving diabetes identification, CONCURRENCY AND COMPUTATION-PRACTICE & EXPERIENCE, https://doi.org/10.1002/cpe.6741, 2022	IF 2022, pp 139, poz 3	4	3	5,4

Citari pentru lucrarea	$\sum_k s_k$	**n**	**ni**	$\frac{1}{n_i}\sum_k s_k$
Smaranda Belciug, Florin Gorunescu A Brief History of Intelligent Decision Support Systems, Intelligent Decision Support Systems—A Journey to Smarter Healthcare, vol. 157, 57-70, 2020	9	2	1	**9**

Total puncte categoria A*	**0**
Total puncte categoria A	**0**
Total puncte categoria B	**4**
Total puncte A* + A + B	**4**

Numarul publicatiei care citeaza	**Referinta bibliografica a publicatiei care citeaza lucrarea de mai sus**	**Tip***	**s_k**	**Poz**	**x**
1	Qureshi, K.N., Alhudhaif, A., Azahar, M. et al. A Software-Defined Network-based Intelligent Decision Support System for the Internet of Things Networks. Wireless Pers Commun 126, 2825–2839 (2022). https://doi.org/10.1007/s11277-022-09626-w	IF 2022, pp. 557, poz. 17	2		
2	Vinichenko, M.V., Narrainen, G.S., Melnichuk, A.V., Chalid, P. (2021). The Influence of Artificial Intelligence on Human Activities. In: Bogoviz, A.V., Suglobov, A.E., Maloletko, A.N., Kaurova, O.V., Lobova, S.V. (eds) Frontier Information Technology and Systems Research in Cooperative Economics. Studies in Systems, Decision and Control, vol 316. Springer, Cham. https://doi.org/10.1007/978-3-030-57831-2_60	SENSE / Capitol Springer	4		

3	Vinichenko, M.V., Rybakova, M.V., Chulanova, O.L., (...), Makushkin, S.A., Lobacheva, A.S., 1Using natural and artificial intelligence in the talent management system, International Journal of Recent Technology and Engineering 8(3), pp. 7417-7423, 2019	SCOPUS	2		
4	MV Vinichenko, IY Ilina, AV Melnichu, MODERN APPROACHES TO SEGMENTATION OF PROFESSIONAL LABOR MARKET OF TEACHERS UNDER CONDITIONS OF USE OF ARTIFICIAL INTELLIGENCE, k45th International Scientific Conference on Economic and Social Development – XIX International Social Congress (ISC 2019) - Moscow, 17-18 October 2019	BDI	1		

Citari pentru lucrarea	$\sum_k S_k$	**n**	**ni**	$\frac{1}{n_i}\sum_k s_k$
Smaranda Belciug, Florin Gorunescu Intelligent systems and the healthcare revolution, Intelligent Decision Support Systems—A Journey to Smarter Healthcare, vol. 157, 57-70, 2020	6	2	1	**6**

Total puncte categoria A*	**0**
Total puncte categoria A	**0**
Total puncte categoria B	**4**
Total puncte A* + A + B	**4**

Numarul publicatiei care citeaza	**Referinta bibliografica a publicatiei care citeaza lucrarea de mai sus**	**Tip***	**s_k**	**Poz**	**x**
1	A Haleem, M Javaid, RP Singh, R Suman, Medical 4.0 technologies for healthcare: Features, capabilities, and applications, Internet of Things and Cyber-Physical Systems Volume 2, 2022, Pages 12-30	SCOPUS	2		
2	Kose, U., Deperlioglu, O., Alzubi, J., Patrut, B. (2021). Artificial Intelligence and Decision Support Systems. In: Deep Learning for Medical Decision Support Systems. Studies in Computational Intelligence, vol 909. Springer, Singapore. https://doi.org/10.1007/978-981-15-6325-6_1	SENSE / Capitol Springer	4		

Citari pentru lucrarea	$\sum_k S_k$	**n**	**a**	$\frac{1}{n_i}\sum_k s_k$

Robert Berglund, Smaranda Belciug, Improving extreme learning machine performance using ant colony optimization feature selection. Application to automated medical diagnosis, Annals of the University of Craiova-Mathematics and Computer Science Series, 45, 1, 151-155	2	2	1	**2**	
Total puncte categoria A*	**0**				
Total puncte categoria A	**0**				
Total puncte categoria B	**0**				
Total puncte A* + A + B	**0**				

Numarul publicatiei care citeaza	**Referinta bibliografica a publicatiei care citeaza lucrarea de mai sus**	**Tip***	**s_k**	**Poz**	**x**
1	Serbanescu, M.S., Genetic algorithm/extreme learning machine paradigm for cancer detection, Annals of the Univeristy of Craiova, Mathematics and Computer Science Series, 46, 2, 372-380, 2019	SCOPUS	2		

Citari pentru lucrarea	$\sum_k s_k$	**n**	**a**	$\frac{1}{n_i}\sum_k s_k$
Smaranda Belciug, Logistic regression paradigm for training a single-hidden layer feedforward neural network. Application to gene expression datasets for cancer research, Journal of Biomedical Informatics, 102, 103373, 2020	43	1	1	**43**
Total puncte categoria A*	**0**			
Total puncte categoria A	**24**			
Total puncte categoria B	**16**			
Total puncte A* + A + B	**40**			

Numarul publicatiei care citeaza	**Referinta bibliografica a publicatiei care citeaza lucrarea de mai sus**	**Tip***	**s_k**	**Poz**	**x**
1	A. K. Malik and M. Tanveer, "Graph embedded ensemble deep randomized network for diagnosis of Alzheimer's disease," in IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2022, doi: 10.1109/TCBB.2022.3202707.	IF 2022, pp. 543, poz. 15	8		
2	Al-Betar, M.A., Awadallah, M.A., Doush, I.A. et al. Boosting the training of neural networks through hybrid metaheuristics. Cluster Comput (2022). https://doi.org/10.1007/s10586-022-03708-x	IF 2022, pp. 138, poz. 23	4		

3	Liu, H., Nikitas, N., Li, Y., Yang, R. (2022). Big Data Analysis of Power Market Energy Economics. In: Big Data in Energy Economics. Management for Professionals. Springer, Singapore. https://doi.org/10.1007/978-981-16-8965-9_6	SENSE / Capitol Springer	4		
4	S Moldovanu, CD Obreja, KC Biswas, L Moraru, Towards Accurate Diagnosis of Skin Lesions Using Feedforward Back Propagation Neural Networks, Diagnostics 2021, 11(6), 936; https://doi.org/10.3390/diagnostics11060936	IF 2021, pp 306, poz 45	8	3	8,2
5	C Li, C Liao, X Meng, H Chen, W Chen, Effective analysis of inpatient satisfaction: the random forest algorithm, Patient Prefer Adherence. 2021; 15: 691–703.	IF 2021, pp 307, locul 63	4		
6	Sandy Cruz Lauguico et al., Lettuce life stage classification from texture attributesusing machine learning estimators and feature selection processes, International Journal of Advances in Intelligent Informatics , Vol. 6, No. 2, July 2020, pp. 173-184	BDI	1		
7	C Xin, F Jiang, G JinMicroseismic Signal Classification Based on Artificial Neural Networks, Shock and vibration, Volume 2021 |Article ID 6697948 | https://doi.org/10.1155/2021/6697948	IF 2021, pag 1, poz 21	2		
8	Liu, H., Nikitas, N., Li, Y., Yang, R. (2022). Big Data Analysis of Power Market Energy Economics. In: Big Data in Energy Economics. Management for Professionals. Springer, Singapore. https://doi.org/10.1007/978-981-16-8965-9_6	SENSE / Capitol Springer	4		
9	Rafique O., Mir, A.H., Weighted dimensionality reduction and robust Gaussian mixture model based cancer patient subtyping from gene expression data, Journal of Biomedical Informatics Volume 112, December 2020, 103620	AIS 2020, pp. 100, poz. 26	8		
Citari pentru lucrarea		$\sum_k s_k$	**n**	**a**	$\frac{1}{n_i}\sum_k s_k$
Smaranda Belciug, Florin Gorunescu, Intelligent decision systems - a journey to smarter healthcare, Springer, 2020		39	2	1	**39**
Total puncte categoria A*		**12**			

Total puncte categoria A	**8**
Total puncte categoria B	**16**
Total puncte A* + A + B	**36**

Numarul publicatiei care citeaza	**Referinta bibliografica a publicatiei care citeaza lucrarea de mai sus**	**Tip***	**s_k**	**Poz**	**x**
1	D Albashish, Ensemble of adapted convolutional neural networks (CNN) methods for classifying colon histopathological images, PeerJ Computer Science, 2022	IF 2022, pp. 138, poz. 21	4		
2	Ali Raza, Kim Phuc Tran, Ludovic Koehl, Shujun Li, Decision Support Systems for Healthcare based on Probabilistic Graphical Models: A Survey and Perspective, Machine Learning and Probabilistic Graphical Models for Decision Support Systems, 2022	SENSE/Capitol Taylor and Francis	4		
3	Mallia, N., Dingli, A., Haddod, F. (2021). MIRAI: A Modifiable, Interpretable, and Rational AI Decision Support System. In: Dingli, A., Haddod, F., Klüver, C. (eds) Artificial Intelligence in Industry 4.0. Studies in Computational Intelligence, vol 928. Springer, Cham. https://doi.org/10.1007/978-3-030-61045-6_10	SENSE / Capitol Springer	4		
4	Wu Lee, et al., MSIPA: Multi-Scale Interval Pattern-Aware Network for ICU Transfer Prediction, ACM Transactions on Knowledge Discovery from Data, ACM Transactions on Knowledge Discovery from DataVolume 16Issue 1February 2022 Article No.: 17pp 1–17https://doi.org/10.1145/3458284	IF 2022, pp 129, poz 17	8		
5	Meskó, B., Görög, M. A short guide for medical professionals in the era of artificial intelligence. npj Digit. Med. 3, 126 (2020). https://doi.org/10.1038/s41746-020-00333-z,	IF 2022, pp. 267, poz 1	12	1	5,4
6	S Shetaban, MM Seyyed Esfahani, An integrated methodology to control the risk of cardiovascular disease in patients with hypertension and type 1 diabetes, Computational Intelligence, 2020, https://doi.org/10.1111/coin.12418	IF 2020, pp. 94, poz. 111	2		

7	K Kozioł-Nadolna, J Wiśniewska, Supporting Managerial Decisions with IDI in the Organization's Innovative Activities, Procedia Computer Science Volume 176, 2020, Pages 2783-2793	BDI	1		
8	Deperlioglu, O., Kose, U, Gupta, D, Khanna, A, Sangaiah, AK, Diagnosis of heart diseases by a secure Internet of Health Things system based on autoencoder deep neural network, Computer Communications, 162, 31-50, 2020	IF 2020, pp 170, poz 106	4		

Citari pentru lucrarea	$\sum_k s_k$	**n**	**a**	$\frac{1}{n_i}\sum_k s_k$
Belciug, S. (2022). Bed-Occupancy Management and Hospital Planning: A Handbook. In: Shen, H., Zeng, Y., Li, L., Wang, X. (eds) Regionalized Management of Medicine. Translational Bioinformatics, vol 17. Springer, Singapore. https://doi.org/10.1007/978-981-16-7893-6_10	4	1	1	**4**
Total puncte categoria A*	**0**			
Total puncte categoria A	**16**			
Total puncte categoria B	**8**			
Total puncte A* + A + B	**24**			

Numarul publicatiei care citeaza	**Referinta bibliografica a publicatiei care citeaza lucrarea de mai sus**	**Tip***	**s_k**	**Poz**	**x**
1	Shen, H., Zeng, Y., Ling, Q., Li, L., Wang, X. (2022). The Importance of Regionalized Management of Medicine. In: Shen, H., Zeng, Y., Li, L., Wang, X. (eds) Regionalized Management of Medicine. Translational Bioinformatics, vol 17. Springer, Singapore. https://doi.org/10.1007/978-981-16-7893-6_1	SENSE / Capitol Springer	4		

Citari pentru lucrarea	$\sum_k s_k$	**n**	**a**	$\frac{1}{n_i}\sum_k s_k$

Mircea Serbanescu, Nicolae Manea, Liliana Streba, Smaranda Beklciug, Emil Streba, Ioana Pirici, Raluca Bungardeanu, Razvan Plesa, Automated gleason grading of prostate cancer using transfer learning from general-purpose deep-learning networks, doi: 10.47162/RJME.61.1.17, 2020	23	8	6	**3,833333333**
Total puncte categoria A*	**0**			
Total puncte categoria A	**5,333333333**			
Total puncte categoria B	**2**			
Total puncte A* + A + B	**7,333333333**			

Numarul publicatiei care citeaza	**Referinta bibliografica a publicatiei care citeaza lucrarea de mai sus**	**Tip***	**s_k**	**Poz**	**x**
1	Lu, X., Ultrasonographic pathological grading of prostate cancer using automatic region-based Gleason grading network, Computerized Medical Imaging and Graphics Volume 102, December 2022, 102125	IF 2022, pp. 520, poz. 14	8		
2	Chaddad, Ahmada; Katib, Yousefb; Hassan, Lamaa Future artificial intelligence tools and perspectives in medicine, Current Opinion in Urology: July 2021 - Volume 31 - Issue 4 - p 371-377 doi: 10.1097/MOU.0000000000000884	IF 2021, pp. 497, poz. 60	2		
3	Liu, H., Yu, C., Wu, H. (2021). Smart Non-intrusive Device Recognition Based on Deep Learning Methods. In: Smart Device Recognition. Springer, Singapore. https://doi.org/10.1007/978-981-33-4925-4_8	SENSE / Capitol Springer	4		
4	S Rongrong, M Zhenyu, Y Hong, L Zhenxing et al., Fault Diagnosis Method of Distribution Equipment Based on Hybrid Model of Robot and Deep Learning, Journal of Robotics, Volume 2022 |Article ID 9742815 | https://doi.org/10.1155/2022/9742815	BDI	1		
5	SM Ayyad, M Shehata, A Shalaby, M Abou , et al, Role of AI and histopathological images in detecting prostate cancer: a survey, Sensors 2021, 21(8), 2586; https://doi.org/10.3390/s21082586	IF 2021,pp 244, poz 14	8		
Citari pentru lucrarea	$\sum_k s_k$	**n**	**a**	$\frac{1}{n_i}\sum_k s_k$	

Belciug, S., Bejinariu, S.-I., Costin, H., An artificial immune system approach for a multi-compartment queuing model for improving medical resources and inpatient bed occupancy in pandemics, Advances in electrical and computer engineering, 20 (3), 23-30, 2020	13	3	1	**13**
Total puncte categoria A*	**0**			
Total puncte categoria A	**8**			
Total puncte categoria B	**4**			
Total puncte A* + A + B	**12**			

Numarul publicatiei care citeaza	**Referinta bibliografica a publicatiei care citeaza lucrarea de mai sus**	**Tip***	**s_k**	**Poz**	**x**
1	ML Chee, MEH Ong, FJ Siddiqui, Z Zhang, et al, Artificial Intelligence Applications for COVID-19 in Intensive Care and Emergency Settings: A Systematic Review, International journal of environmental research and public health, 10.3390/ijerph18094749 , 2021	IF 2021, pp 645, poz 41	8		
2	Marin-Garcia, JA.; Ruiz, A.; Julien, M.; Garcia-Sabater, JP. (2021). A data generator for covid-19 patients' care requirements inside hospitals. WPOM-Working Papers on Operations Management. 12(1):76-115. https://doi.org/10.4995/wpom.15332	BDI	1		
3	E. Jordan, D. E. Shin, S. Leekha and S. Azarm, "Optimization in the Context of COVID-19 Prediction and Control: A Literature Review," in IEEE Access, vol. 9, pp. 130072-130093, 2021, doi: 10.1109/ACCESS.2021.3113812.	IF 2021, pp 485, poz 36	4		

Citari pentru lucrarea	$\sum_k s_k$	**n**	**a**	$\frac{1}{n_i}\sum_k s_k$
Smaranda Belciug, Parallel versus cascaded logistic regression trained single-hidden feedforward neural network for medical data, Expert Systems with applications,Volume 170, 15 May 2021, 114538, 2021	21	1	1	**21**
Total puncte categoria A*	**0**			
Total puncte categoria A	**16**			
Total puncte categoria B	**4**			

Total puncte A* + A + B					**20**
Numarul publicatiei care citeaza	**Referinta bibliografica a publicatiei care citeaza lucrarea de mai sus**	**Tip***	**s_k**	**Poz**	**x**
1	CH Fontes, Refinement of the feedforward network in multi-class classification problems using a hybrid approach combining supervised clustering and a fuzzy classifier, Engineering Applications of Artificial Intelligence, 2022, Volume 115, October 2022, 105242	IF 2022, pp. 18, poz. 8	8		
2	Kyoham Shin, Seokho Kang, ADANOISE: Training neural networks with adaptive noise for imbalanced data classification, Expert Systems with Applications,192,2022, 116364,https://doi.org/10.1016/j.eswa.2021.116364.	IF 2022, pp. 425, poz. 8	8		
3	A S Serobabov,L A Denisova, Development of a medical expert system: disease staging by a fuzzy classifier, J. Phys.: Conf. Ser. 2182 012030	BDI	1		
4	L Lian, Wind speed prediction based on CEEMD-SE and multiple echo state network with Gauss–Markov fusion, Review of Scientific Instruments 93, 015105 (2022); https://doi.org/10.1063/5.0081086	AIS 2022, pp 286, poz 12	4		
Citari pentru lucrarea		$\sum_k s_k$	**n**	**a**	$\frac{1}{n_i}\sum_k s_k$
S.Belciug, Artificial Intelligence in Cancer: diagnostic to tailored treatment, Elsevier, 2020		57	1	1	**57**
Total puncte categoria A*		**12**			
Total puncte categoria A		**32**			
Total puncte categoria B		**4**			
Total puncte A* + A + B		**48**			
Numarul publicatiei care citeaza	**Referinta bibliografica a publicatiei care citeaza lucrarea de mai sus**	**Tip***	**s_k**	**Poz**	**x**

1	R Kanjilal, I Uysal Rich learning representations for human activity recognition: How to empower deep feature learning for biological time series, Journal of Biomedical Informatics Volume 134, October 2022, 104180	IF 2022, pp. 121, poz. 14	8		
2	A.M.WojtusiakA.G.BalanovS.E.Savel'ev, Intermittent and metastable chaos in a memristive artificial neuron with inertia, Chaos, Solitons & Fractals Volume 142, January 2021, 110383.	IF 2021 pp 409, poz 1,	12	1	2,8
3	Nica, RE., Șerbănescu, MS., Florescu, LM. et al. Deep Learning: a Promising Method for Histological Class Prediction of Breast Tumors in Mammography. J Digit Imaging 34, 1190–1198 (2021). https://doi.org/10.1007/s10278-021-00508-4	If 2021, pp 452, poz. 33	8		
4	RALUCA MARIA BUNGĂRDEAN, MIRCEA-SEBASTIAN ŞERBĂNESCU, COSTIN TEODOR STREBA, MARIA CRIŞAN, Deep learning with transfer learning in pathology.Case study: classification of basal cell carcinoma , Rom J Morphol Embryol 2021, 62(4):1017–1028,	IF 2021, pp. 122, poz. 39	2		
5	L Popa, A statistical framework for evaluating convolutional neural networks. Application to colon cancer, Annals of the University of Craiova-Mathematics and Computer Science Series, https://doi.org/10.52846/ami.v48i1.1449, 2021	Scopus	2		
6	DL Popa, M Mocanu, RT Popa, Risk Estimator using a Multi-Layer Perceptron Network for Coronary Artery Disease Prevention., RTA-CSIT, 2021	BDI	1		
7	Tong, LL., Gu, JB., Li, JJ. et al. Application of Bayesian network and regression method in treatment cost prediction. BMC Med Inform Decis Mak 21, 284 (2021). https://doi.org/10.1186/s12911-021-01647-y	AIS 2021, pp 301, poz 14	4		
8	B Sabiri, B El Asri, M Rhanoui, Mechanism of Overfitting Avoidance Techniques for Training Deep Neural Networks., ICEIS, 2021	BDI	1		

9	Cristiano Hora Fontes, Marcelo Embiruçu, An approach combining a new weight initialization method and constructive algorithm to configure a single Feedforward Neural Network for multi-class classification, Engineering Applications of Artificial Intelligence, Volume 106, 2021,104495,ISSN 0952-1976, https://doi.org/10.1016/j.engappai.2021.104495.	IF 2021, pp 15, poz 6	8		
10	RD Nagy, N Cernea, AL Dijmarescu, MM Manolea, Ductus Venosus Agenesis and Portal System Anomalies—Association and Outcome, Biology, 10.3390/biology11040548 , 2022	IF 2022, pp 37, poz 21	8		
11	MANUELA STOENESCU,1 MIRCEA-SEBASTIAN ŞERBĂNESCU,2 ANDA LORENA DIJMARESCU,4 MARIA MAGDALENA MANOLEA,4 SIDONIA SANDULESCU,4 SIDONIA VRABIE,4 IOANA CAMEN,1 MARIA CARMEN TABACU,1 and MARIUS BOGDAN NOVAC3, Maternal Lipid Profile as Predictor for Mother and Fetus Outcome-an Artificial Neural Network Approach, Curr Health Sci J. 2021 Apr-Jun; 47(2): 215–220. Published online 2021 Jun 30. doi: 10.12865/CHSJ.47.02.11	BDI	1		
12	F Ruan, X Ding, H Li, Y Wang, K Ye, et al., Back propagation neural network model for medical expenses in patients with breast cancer, MBE, 18(4): 3690–3698. DOI: 10.3934/mbe.2021185, 2021	BDI	1		
13	GS Kumar, SD Shetty, Application Development for Mask Detection and Social Distancing Violation Detection using Convolutional Neural Networks, ICEIS (1), 2021	BDI	1		

Citari pentru lucrarea	$\sum_k s_k$	**n**	**a**	$\frac{1}{n_i}\sum_k s_k$
Smaranda Belciug, Learning deep neural networks' architectures using differential evolution. Case study: medical imaging processing, Computers in Biology and Medicine,146, 105623, https://doi.org/10.1016/j.compbiomed.2022.105623, IF: 6.698, 2022	4	1	1	**4**

Total puncte categoria A*	**0**
Total puncte categoria A	**0**
Total puncte categoria B	**4**
Total puncte A* + A + B	**4**

1	X Wang, DBN Neural Network Model Combined with Meta-Analysis on the Curative Effect of Acupuncture and Massage, Computational Intelligence and neuroscience, Volume 2022 | Article ID 8488167 | https://doi.org/10.1155/2022/8488167, 2022	IF 2022, pp. 318, poz. 7	4		

Total	Citari in lucrari de tip			Total citari in lcrari de tip A* + A + B
	A*	A	B	
1110,33	67,71	629	260,38	956,67

Minim necesar abilitare		Valori realizate de candidat
Valoare minima	120	1110,33
Prag A* + A + B	minim 40	956,67

Smaranda Belciug

Perspectiva D. Performanța academică
Smaranda Belciug

Carti si capitole publicate

Numarul publicatie	Referinta bibliografica	Numar autori	Puncte	Puncte ponderat
1	**Smaranda Belciug**, Dominic Iliescu, Pregnancy with Artificial Intelligence. A 9,5 months journey from preconception to birth, **Springer Nature**, 2023, https://doi.org/10.1007/978-3-031-18154-2, 978-3-031-18153-5	2	8	8
2	**Smaranda Belciug**, (2023). A Survival Analysis Guide in Oncology. In: Lim, C.P., Vaidya, A., Chen, YW., Jain, V., Jain, L.C. (eds) Artificial Intelligence and Machine Learning for Healthcare. Intelligent Systems Reference Library, vol 229. **Springer-Nature**, Cham. https://doi.org/10.1007/978-3-031-11170-9_2	1	4	4
3	**Smaranda Belciug**, (2023). An Introduction to Artificial Intelligence in Healthcare. In: Lim, CP., Vaidya, A., Chen, YW., Jain, T., Jain, L.C. (eds) Artificial Intelligence and Machine Learning for Healthcare. Intelligent Systems Reference Library, vol 228. **Springer-Nature**, Cham. https://doi.org/10.1007/978-3-031-11154-9_1	1	4	4
4	Dominic Iliescu, **Smaranda Belciug**, Ioana Gheonea, Practical Guide to Simulation in Delivery Room Emergencies, Editors Gilda Cinnella, Renata Beck and Antonio Malvasi, **Springer Nature** International Publishing, 2022, 9783031100666 (in press)	3	4	4
5	**Smaranda Belciug**, (2022). Bed-Occupancy Management and Hospital Planning: A Handbook. In: Shen, H., Zeng, Y., Li, L., Wang, X. (eds) Regionalized Management of Medicine. Translational Bioinformatics, vol 17. **Springer-Nature**, Singapore. https://doi.org/10.1007/978-981-16-7893-6_10	1	4	4
6	**Smaranda Belciug** (2022). Artificial Neural Networks for Precision Medicine in Cancer Detection. In: Virvou, M., Tsihrintzis, G.A., Jain, L.C. (eds) Advances in Selected Artificial Intelligence Areas. Learning and Analytics in Intelligent Systems, vol 24. **Springer-Nature**, Cham. https://doi.org/10.1007/978-3-030-93052-3_11	1	4	4
7	**Smaranda Belciug**, (2022). Learning Paradigms for Neural Networks for Automated Medical Diagnosis. In: Tsihrintzis, G.A., Virvou, M., Esposito, A., Jain, L.C. (eds) Advances in Assistive Technologies. Learning and Analytics in Intelligent Systems, vol 28. **Springer-Nature**, Cham. https://doi.org/10.1007/978-3-030-87132-1_7	1	4	4
8	**Smaranda Belciug** (2022). A Statistical Analysis Handbook for Validating Artificial Intelligence Techniques Applied in Healthcare. In: Lim, CP., Chen, YW., Vaidya, A., Mahorkar, C., Jain, L.C. (eds) Handbook of Artificial Intelligence in Healthcare. Intelligent Systems Reference Library, vol 212. **Springer-Nature**, Cham. https://doi.org/10.1007/978-3-030-83620-7_3	1	4	4

9	**Smaranda Belciug**, Artificial Intelligence in Cancer - Diagnostic to tailored treatment, **Elsevier, Academic Press**, 2020, https://www.elsevier.com/books/artificial-intelligence-in-cancer/belciug/978-0-12-820201-2, ISBN: 9780128202012	1	8	8
10	**Smaranda Belciug**, Florin Gorunescu, Intelligent Decision Support Systems—A Journey to Smarter Healthcare, DOI https://doi.org/10.1007/978-3-030-14354-1, **Springer Nature** Switzerland AG 2020, Print ISBN 978-3-030-14353-4, Online ISBN 978-3-030-14354-1, 2019	2	8	8
11	Florin Gorunescu, **Smaranda Belciug**., Intelligent Decision Support Systems in Automated Medical Diagnosis, Advances in Biomedical Informatics, (Holmes, D., Jain, L, Eds.) pp. 161-186, ISSN: 1868-4394, ISBN: 978- 319 - 67512 - 1, **Springer-Nature**, 2017	2	4	4
12	Florin Gorunescu, **Smaranda Belciug**, Reference Module in Biomedical Sciences, Genetic Algorithms for Breast Cancer Diagnostics, **Elsevier** https://doi.org/10.1016/B978-0-12-801238-3.00000-3, 2019.	2	4	4
13	**Smaranda Belciug**, Machine Learning Solutions in Computer-Aided Medical Diagnosis, Machine Learning for Health Informatics, State-of- the-art and Future Challenges, **Springer** International Publishing, DOI:10.1007/978-3-319-50478-0, ISBN 978-3-319-50478-0, pp. 289-302, 2016	1	4	4
14	**Smaranda Belciug**, Elemente de calcul neuronal cu aplicatii in diagnosticul automat, Editura Sitech, ISBN 978-606-11-4693-2, 2015	1	2	2
15	Florin Gorunescu, **Smaranda Belciug**, Incursiune în biostatistică, Editura Albastră – Grupul MicroInformatica, ISBN: 978-973—650 -302 -3 , 2014 .	2	2	2
16	**Smaranda Belciug**, Marina Gorunescu, Data mining: modele predictive si de clasificare. Implementare in Matlab si Java, Editura Albastra, Microinformatica, Cluj-Napoca, ISBN 978-973-650-290-3, 2012.	2	2	2
17	**Smaranda Belciug**, Machine learning techniques in Computer Aided Diagnosis, Seria Computer Science, Editura Universitaria Craiova, ISBN 978-606-14-0225-0, 2011	1	2	2
Total partial	**72**			

Editor la o revista

Nr. Crt	Nume revista	Pct.
1	Journal of Biomedical Informatics (incepand cu Ianuarie 2023, dovada atasata D2)	24
2	BMC Medical Informatics and Decisio Making https://bmcmedinformdecismak.biomedcentral.com/about/editorial-board	12

3	Journal of Medical Artificial intelligence http://jmai.amegroups.com/about/editorialTeam	3
4	BMC Digital Health https://bmcdigitalhealth.biomedcentral.com/about/editorial-board	3
5	International Journals of Computers in Healthcare https://www.inderscience.com/jhome.php?jcode=ijcih	3
Total partial	**45**	

Director (coordonator/responsabil) | membru al unui grant/proiect/contract/program de cercetare

Numar curent	Grant	Puncte
1	Director Grant - PN-III-P4-PCE-2021-0057 - Recunoașterea formelor și detecția anomaliilor în morfologia fetală utilizând Deep learning și învățare statistică, mai 2022-decembrie 2024, 248.826.96 EUR - https://www.paradise-pce.ro/	8
2	Membru Grant - PN-II-PT-PCCA-2013-4-1153 Sistem informatic medical inteligent pentru diagnosticul și monitorizarea tratamentului la pacienții cu neoplasm colorectal, Institutia coordonatoare Universitatea din Craiova, Parteneri Universitatea de Medicina si Farmacie Craiova, Blue Logic S.R.L., suma 1.226.501,00 RON ~ 278.118 EUR, valoare Universitatea din Craiova 498.487 lei - https://sites.google.com/site/imediatreat/	3
3	Membru - 99CI/2017, PN-III-P2-2.1-CI-2017-0469, Automated prediction of the stock values trend for customers of a Financial Services and Investments Company, Iulie 2017 -decembrie 2017, 44946 lei.	1
Total partial	**12**	

Membru in comitetul stiintific (de program) al unor conferinte, simpozioane, workshop-uri

Numar curent	Conferinta	Puncte
1	KES-InMed-23 International Programme Committee, Innovation in healthcare and medicine, 2022 http://inmed-23.kesinternational.org/cmsIPCdisplay.php	0,5
2	ICEIS 2023, 25nd International Conference on Enterprise Information Systems, 2023, https://iceis.scitevents.org/ProgramCommittee.aspx	1
3	27th KES International Conference on Knowledge-Based and Intelligent Information & Engineering Systems 2023 (KES 2023)., http://kes2023.kesinternational.org/cmsIPCdisplay.php	0,5
4	ICEIS 2022, 24nd International Conference on Enterprise Information Systems, 2022, https://iceis.scitevents.org/ProgramCommittee.aspx?y=2022	1

5	CD-Make 2022, Cross Domain Conference for Machine Learning and Knowledge Extraction, Viena, Austria, 2022, https://cd-make.net/committees/	0,5
6	9th International Conference on Signal Image Processing and Multimedia (SIPM 2022), 21-22 May, Zurich,Switzerland https://acsit2022.org/sipm/committee	0,5
7	KES-InMed-22 International Programme Committee, Innovation in healthcare and medicine, 2022 http://inmed-22.kesinternational.org/cmsIPCdisplay.php	0,5
8	ICEIS 2021, 23nd International Conference on Enterprise Information Systems, 2021, https://iceis.scitevents.org/ProgramCommittee.aspx?y=2021	1
9	9th International Conference on Signal Image Processing and Multimedia (SIPM 2021), 10-11 July, Toronto, Canada, https://acsit2021.org/sipm/index	0,5
10	CD-Make 2021, Cross Domain Conference for Machine Learning and Knowledge Extraction, Canterbury, 2021 https://cd-make.net/committees/	0,5
11	International Conference on Biomedical Informatics and Health Informatics (BIHI2021), July 23-25, 2021 in Hangzhou, China http://www.icbihi.org/Default.aspx	0,5
12	KES-InMed-21 International Programme Committee, Innovation in healthcare and medicine, 2021 http://inmed-21.kesinternational.org/cmsIPCdisplay.php	0,5
13	2020 International Symposium on Automation, Information and Computing (ISAIC 2020) , Beijing Jiaotong University, China, December 2-4, 2020 https://www.isaic-conf.com/#/aboutIsaicCommittes	0,5
14	ICEIS 2020, 22nd International Conference on Enterprise Information Systems, Prague, Czech Republic, 5-7 May 2020 https://iceis.scitevents.org/ProgramCommittee.aspx?y=20	1
15	IEEE International Conference on e-Health and Bioengineering, EHB 2020 - 8-th Edition, 29-30 Oct, 2020, http://www.ehbconference.ro/2020/Committees.aspx	0,5
16	CD-Make 2020, Cross Domain Conference for Machine Learning and Knowledge Extraction, Canterbury, Kent, UK from August 26-29 2020, https://cd-make.net/committees/	0,5
17	INTAP 2019, International conference on Intelligent Technologies and Applications, October 23-25, 2018, Bahawalpur, Pakistan (dovada atasata D3)	0,5
18	KES-InMed-20 International Programme Committee, Innovation in healthcare and medicine, 2020 (dovada atasata D4)	0,5
19	KES-InMed-19 International Programme Committee, Innovation in healthcare and medicine, 2019 http://inmed-19.kesinternational.org/cmsIPCdisplay.php	0,5
20	CD-Make 2019, Cross Domain Conference for Machine Learning and Knowledge Extraction, Canterbury, Kent, UK from August 26-29 2019 (dovada atasata D5)	0,5
21	KES-InMed-18 International Programme Committee, Innovation in healthcare and medicine, Australia, 20-22 Iunie 2018 (dovada atasata D8)	0,5

22	INTAP 2018, International conference on Intelligent Technologies and Applications, October 23-25, 2018, Bahawalpur, Pakistan (dovada atasata)	0,5
23	ICMMIT 2018: International Conference on Communication, Management and Information Technology, 2018, Madrid, Spain, April 2-4 2018 (dovada atasata D6)	0,5
24	ICMMIT 2017: International Conference on Communication, Management and Information Technology, 2017, University of Warsaw, Warsaw, Poland, April 3-5 2017, (dovada atasata D7)	0,5
25	CD-Make 2018, Cross Domain Conference for Machine Learning and Knowledge Extraction, Hamburg, Germany, August 27-30, 2018 https://cd-make.net/committees/	0,5
26	8th International Conference on Enriching Health Data for Research and Practice, USAB 2014, Viena, 4-6 Decembrie 2014, http://ebmc2.univie.ac.at/usab2014/	0,5
27	First symposium on Artificial Intelligence in e-Learning and Education, AleLE'15, in the frame of the 7th International Conference on Information Technology, ICIT 2015, 12-15 Mai, Amman, Jordan, 2015 (http://icit.zuj.edu.jo/icit15/Workshop/AI%20elearning%20Symposium1.0.pdf)	0,5
28	7th International Conference on Intelligent Computing and Information Systems, 12-14 Decembrie, Cairo, Egipt 2015	0,5
29	ICCMIT 2016 : International Conference on Communication, Management and Information Technology, 2016, http://www.iccmit.net/, Cosenza - Italia, 26-29 Aprilie 2016	0,5
30	ITHEA International Scientific Society, ITA 2016, http://www.ithea.org/conferences/itaf2016.htm, Varna 5-11 Septembrie, 2016	0,5
31	CD-MAKE 2017, Cross Domain Conference for Machine Learning and Knowledge Extraction, August 29 - September 1 2017, Reggio Calabria, Italy https://cd-make.net/committees/	0,5
Total partial	**17,5**	

Keynote/invited speaker

Keynote/invited speaker		
1	KES 2022, 10th International Conference on Innovation in Medicine and Healthcare (InMed-22), http://inmed-22.kesinternational.org/keynotespeakers.php#speaker1	4
2	ROMEDINF, https://sites.google.com/view/romedinf-2021, 2021	2
Total partial	**6**	

Membru in comisii de evaluare a tezelor de doctorat

Comisii de doctorat

1	Mircea Sebastian Serbanescu, Universitatea din Pitesti,"Tehnici de Data Mining in diagnosticul automat", Septembrie 2019, decizia nr. 576/14.08.2019	1
1	Renato Constantin Ivanescu, Universitatea din Craiova, "Medical Data Processing Enhancements: New AI-based computation and Communication Model", Noiembrie 2022, Decizia nr. 823/B din 31.101.2022.	1
Total partial	**2**	

Numar curent	Premii	Puncte
1	Smaranda Belciug, Premiul "Acad. Mihai Draganescu" al Academiei Romana pentru anul 2020, decernat in 2022 (atasata dovada D9).	6
Total partial	**6**	

Minim necesar abilitare	Punctaj total candidat
60	160,5

Prag	Indeplinere prag candidat
Minim un proiect, cu echipa de cel putin 2 membri, obtinut de de candidat prin competitie la nivel national sau international	Grant Program 4 - Cercetare fundamentala si de frontiera Proiecte de Cercetare Exploratorie - PCE 2021 - PN-III-P4-PCE2021-0057, Contract nr. 101/2022. Proiectul are 11 membri, iar candidatul are pozitia de director de proiect (dovada atasata D10).

Smaranda Belciug