

Universitatea „Petru Maior” din Tîrgu Mureș

Facultatea de Științe și Litere

Departamentul de Informatică

Cadru didactic: Szilágyi Sándor Miklós

Tabel de verificare a îndeplinirii standardelor minimale CNATDCU

Nr. crt.	Domeniul de activitate	Condiții profesor	Punctaj realizat
1.	Producția științifică	minim 56 24 categoria A 16 categoria B	287,54
2.	Impactul rezultatelor	minim 120 40 categoria A+B	542,25
3.	Performanța academică	minim 60	89,08
	TOTAL		918,87

Szilágyi Sándor

TOTAL PUNCTE	287,54
Categoria A	225,98
Categoria B	36,00
Categoria C	25,56

Nr.	Lucrare	Autori	Categoria	Justificare	Puncte
1	Szilágyi SM, Szilágyi L: A fast hierarchical clustering algorithm for large-scale protein sequence data sets. Computers in Biology and Medicine 48:94-101 (2014), ISSN: 0010-4825 IF: 1.475	2	B	Poziția 326, lista jurnale 2013	4,00
2	Szilágyi L, Szilágyi SM: Generalization rules for the suppressed fuzzy c-means algorithm. Neurocomputing, 139:298-309 (2014), ISSN: 0925-2312, IF: 2.005	2	A	Poziția 234, lista jurnale 2013	8,00
3	Szilágyi L, Szilágyi SM, Benyó B: Efficient inhomogeneity compensation using fuzzy c-means clustering models. Computer Methods and Programs in Biomedicine, 108(1):80-89 (2012), ISSN: 0169-2607, IF: 1.555	3	B	Poziția 315, lista jurnale 2013	4,00
4	Szilágyi SM, Szilágyi L, Benyó Z: A Patient Specific Electro-Mechanical Model of the Heart. Computer Methods and Programs in Biomedicine, 101(2):183-200 (2011), ISSN: 0169-2607, IF: 1.516	3	B	Poziția 315, lista jurnale 2013	4,00
5	Szilágyi L, Szilágyi SM, Benyó B, Benyó Z: Intensity inhomogeneity compensation and segmentation of MR brain images using hybrid c-means clustering models. Biomedical Signal Processing and Control, 6(1):3-12 (2011), ISSN: 1746-8094, IF: 1.000	4	B	Poziția 299, lista jurnale 2013	2,00
6	Szilágyi L, Medvés L, Szilágyi SM: A modified Markov clustering approach to unsupervised classification of protein sequences. Neurocomputing, 73(13-15):2332-2345 (2010), ISSN: 0925-2312, IF: 1.429	3	A	Poziția 234, lista jurnale 2013	8,00

7	Szilágyi L, Szilágyi SM, Benyó Z: Analytical and numerical evaluation of the suppressed fuzzy c-means algorithm: a study on the competition in c-means clustering models. <i>Soft Computing</i> , 14(5):495-505, ISSN: 1432-7643, IF: 1.512	3	A	Pozíția 260, lista jurnale 2013	8,00
8	Szilágyi SM, Szilágyi L, Iclánzan D, Dávid L, Frigy A, Benyó Z: Intensity inhomogeneity correction and segmentation of magnetic resonance images using a multi-stage fuzzy clustering approach. <i>Neural Network World</i> , 19:513-528 (2009), ISSN: 1210-0552, IF: 0.475	6	C	Pozíția 977, lista jurnale 2013	0,50
9	Szilágyi L, Varga ZsR, Szilágyi SM: Application of the fuzzy-possibilistic product partition in elliptic shell clustering. In: Torra V, Narukawa Y, Endo Y (Eds.): <i>Modeling Decisions for Artificial Intelligence</i> , Springer, LNCS vol. 8825, pp. 158-169 (2014), ISBN: 978-3-319-12053-9	3	B	MDAI, poziția 310, lista conferințe 2013	4,00
10	Szilágyi L, Szilágyi SM, Hirsbrunner B: A fast and memory-efficient hierarchical graph clustering algorithm. In: Kiong LC (Eds): <i>Neural Information Processing</i> , Springer, LNCS, vol. 8834, pp. 247-254 (2014)	3	A	ICONIP, poziția 217, lista conferințe 2013	8,00
11	Szilágyi L, Kovács L, Szilágyi SM: Synthetic test data generation for hierarchical graph clustering methods. In: Kiong LC (Eds): <i>Neural Information Processing</i> , Springer, LNCS, vol. 8835, pp. 303-310 (2014)	3	A	ICONIP, poziția 217, lista conferințe 2013	8,00
12	Szilágyi L, Szilágyi SM: Fast implementations of Markov clustering for protein sequence grouping. In: Torra V, Narukawa Y, Navarro-Arribas G, Megías D (Eds.): <i>Modeling Decisions for Artificial Intelligence</i> , Springer, LNCS vol. 8234, pp. 214-225 (2013), ISBN: 978-3-642-41549-4.	2	B	MDAI, poziția 310, lista conferințe 2013	4,00
13	Szilágyi SM, Szilágyi L, Hirsbrunner B: Study of electric and mechanic properties of the implanted artificial cardiac tissue using a whole heart model. In: Ruiz-Schulcloper J, Sanniti di Baja G (Eds.): <i>Progress in Pattern Recognition, Image Analysis, Computer Vision, and Applications</i> , Springer, LNCS vol. 8259, pp. 230-237 (2013), ISBN: 978-3-642-41826-6.	3	C	CIARP, poziția 250, lista conferințe 2013	2,00

14	Szilágyi L, Szilágyi SM, Iclănzan D, Szabó L: Efficient 3D Curve Skeleton Extraction from Large Objects. In: San Martín C, Kim SW (Eds.): Progress in Pattern Recognition, Image Analysis, Computer Vision, and Applications, Springer, LNCS vol. 7042, pp. 133-140 (2011), ISBN: 978-3-642-25084-2.	4	C	CIARP, poziția 250, lista conferințe 2013	1,00
15	Szilágyi L, Iclănzan D, Crăciun L, Szilágyi SM: An efficient approach to intensity inhomogeneity compensation using c-means clustering models. In: San Martín C, Kim SW (Eds.): Progress in Pattern Recognition, Image Analysis, Computer Vision, and Applications, Springer, LNCS vol. 7042, pp. 312-319 (2011), ISBN: 978-3-642-25084-2.	4	C	CIARP, poziția 250, lista conferințe 2013	1,00
16	Szilágyi L, Szilágyi SM, Kiss Cs: A generalized approach to the suppressed fuzzy c-means algorithm. In: Torra V, Narukawa Y, Dumas M (Eds.): Modeling Decisions for Artificial Intelligence, Springer, LNCS vol. 6408, pp. 140-151 (2010), ISBN: 978-3-642-16291-6.	3	B	MDAI, poziția 310, lista conferințe 2013	4,00
17	Szilágyi L, Szilágyi SM, Benyó Z: Analytical and numerical evaluation of the suppressed fuzzy c-means algorithm. In: Torra V, Narukawa Y (Eds.): Modeling Decisions for Artificial Intelligence, Springer, LNCS vol. 5285, pp. 146-157 (2008), ISBN: 978-3-540-88268-8.	3	B	MDAI, poziția 310, lista conferințe 2013	4,00
18	Medvés L, Szilágyi L, Szilágyi SM: A modified Markov clustering approach for protein sequence clustering. In: Chetty M, Ngom A, Ahmad S (Eds.): Pattern Recognition in Bioinformatics, Springer, LNCS vol. 5265, pp. 110-120 (2008), ISBN: 978-3-540-88434-7.	3	C	LNCS	2,00
19	Szilágyi L, Szilágyi SM, Benyó Z: A thorough analysis of the suppressed fuzzy c-means algorithm. In: Ruiz-Schuldloper J, Kropatsch WG (Eds.): Progress in Pattern Recognition, Image Analysis and Applications, Springer, LNCS vol. 5197, pp. 203-210 (2008), ISBN: 978-3-540-85919-2.	3	C	CIARP, poziția 250, lista conferințe 2013	2,00

20	Szilágyi L, Iclănzan D, Szilágyi SM, Dumitrescu D: GeCIM: A novel generalized approach to c-means clustering. In: Ruiz-Schulcloper J, Kropatsch WG (Eds.): Progress in Pattern Recognition, Image Analysis and Applications, Springer, LNCS vol. 5197, pp. 235-242 (2008), ISBN: 978-3-540-85919-2.	4	C	CIARP, poziția 250, lista conferințe 2013	1,00
21	Szilágyi SM, Görög LK, Szilágyi L, Luca CT, Cozma D, Ivanica G, Benyó Z: An enhanced accessory pathway localization method for efficient treatment of Wolff-Parkinson-White syndrome. In: Ruiz-Schulcloper J, Kropatsch WG (Eds.): Progress in Pattern Recognition, Image Analysis and Applications, Springer, LNCS vol. 5197, pp. 269-276 (2008), ISBN: 978-3-540-85919-2.	7	C	CIARP, poziția 250, lista conferințe 2013	0,40
22	Szilágyi L, Szilágyi SM, Dávid L, Benyó Z: Multi-stage FCM-based intensity inhomogeneity correction for MR brain image segmentation. In: Kurková V, Neruda R, Koutník J (Eds.): Artificial Neural Networks, Springer, LNCS vol. 5164, pp. 527-536 (2008), ISBN: 978-3-540-85237-7.	4	B	ICANN, poziția 250, lista conferințe 2013	2,00
23	Szilágyi SM, Szilágyi L, Benyó Z: Spatial visualization of the heart in case of ectopic beats and fibrillation. In: Mery D, Rueda L (Eds.): Advances in Image and Video Technology, Springer, LNCS vol. 4872, pp. 548-561 (2007), ISBN: 978-3-540-77128-9.	3	B	PSIVT, poziția 428, lista conferințe 2013	4,00
24	Szilágyi SM, Szilágyi L, Benyó Z: Adaptive ECG compression using support vector machine. In: Rueda L, Mery D, Kittler J (Eds.): Progress in Pattern Recognition, Image Analysis and Applications, Springer, LNCS vol. 4756, pp. 594-603 (2007), ISBN: 978-3-540-76724-4.	3	C	CIARP, poziția 250, lista conferințe 2013	2,00
25	Szilágyi SM, Szilágyi L, Frigy A, Görög LK, Benyó Z: Unified neural network based pathologic event reconstruction using spatial heart model. In: Rueda L, Mery D, Kittler J (Eds.): Progress in Pattern Recognition, Image Analysis and Applications, Springer, LNCS vol. 4756, pp. 851-860 (2007), ISBN: 978-3-540-76724-4.	5	C	CIARP, poziția 250, lista conferințe 2013	0,66

26	Szilágyi SM, Szilágyi L, Benyó Z: Echocardiographic image sequence compression based on spatial active appearance model. In: Rueda L, Mery D, Kittler J (Eds.): Progress in Pattern Recognition, Image Analysis and Applications, Springer, LNCS vol. 4756, pp. 841-850 (2007), ISBN: 978-3-540-76724-4.	3	C	CIARP, poziția 250, lista conferințe 2013	2,00
27	Szilágyi L, Szilágyi SM, Benyó Z: A modified fuzzy c-means algorithm for MR brain image segmentation. In: Kamel MS, Campilho AC (Eds.): Image Analysis and Recognition, Springer, LNCS vol. 4633, pp. 866-877 (2007), ISBN: 978-3-540-74258-6.	3	C	LNCS	2,00
28	Szilágyi L, Szilágyi SM, Benyó Z: Efficient feature extraction for fast segmentation of MR brain images. In: Ersbøll BK, Pedersen KS (Eds.): Image Analysis, Springer, LNCS vol. 4522, pp. 611-620 (2007), ISBN: 978-3-540-73039-2.	3	C	LNCS	2,00
29	Szilágyi SM, Szilágyi L, Benyó Z: Volumetric analysis of the heart using echocardiography. In: Sachse FB, Seemann G (Eds.): Functional Imaging and Modeling of the Heart, Springer, LNCS vol. 4466, pp. 81-90 (2007), ISBN: 978-3-540-72906-8.	3	C	LNCS	2,00
30	Szilágyi L, Dénesi G, Szilágyi SM: Fast color reduction using approximative c-means clustering models. IEEE International Conference on Fuzzy Systems (FUZZ-IEEE 2014, Beijing), pp. 194-201 (2014), ISBN: 978-1-4799-2073-0	3	A	FUZZ-IEEE, poziția 133, lista conferințe 2013	8,00
31	Szilágyi L, Dénesi G, Kovács L, Szilágyi SM: Comparison of various improved-partition fuzzy c-means clustering algorithms in fast color reduction. 12 th IEEE International Symposium on Intelligent Systems and Informatics (SISY 2014, Subotica), pp. 197-202 (2014), ISBN: 978-1-4799-5996-9	4	C	SISY, poziția 624, lista conferințe 2013	1,00
32	Szilágyi L, Szilágyi SM: Efficient Markov clustering algorithm for protein sequence grouping. 35 th Annual International Conference of IEEE Engineering in Medicine and Biology Society, Osaka, pp. 639-642 (2013), ISBN 978-1-4577-0214-3	2	A	EMBC, poziția 53, lista conferințe 2013	8,00

33	Szilágyi SM, Szilágyi L, Hirsbrunner B: Modeling the Influence of High Fibroblast Level on Arrhythmia Development and Obstructed Depolarization Spread. Computers in Cardiology 40:45-48 (2013)	3	A	CINC, poziția 75, lista conferințe 2013	8,00
34	Szilágyi SM, Szilágyi L, Hirsbrunner B: Simulation of Arrhythmia using Adaptive Spatio-temporal Resolution. Computers in Cardiology 40:365-368 (2013)	3	A	CINC, poziția 75, lista conferințe 2013	8,00
35	Szilágyi SM, Enăchescu C: Vascular System Reconstruction from MR Images Using Active Appearance Model. SACI 2012 Timișoara, pp. 163-168, ISBN 978-1-4673-1012-3 (2012)	2	C	SACI, poziția 601, lista conferințe 2013	2,00
36	Szilágyi SM, Szilágyi L, Enăchescu C: Hypoxia modeling using Luo-Rudy II cell model. Computers in Cardiology 39:885-888 (2012)	3	A	CINC, poziția 75, lista conferințe 2013	8,00
37	Szilágyi SM, Szilágyi L, Luca CT, Cozma D, Ivănică G, Enăchescu C: Spatial modeling of the Wolff-Parkinson-White syndrome induced ventricular fibrillation. Computers in Cardiology 39:753-756 (2012)	6	A	CINC, poziția 75, lista conferințe 2013	2,00
38	Szilágyi SM, Szilágyi L: Study of self maintaining spatial spiral waves in ventricular tissue. Computers in Cardiology 39:853-856 (2012)	2	A	CINC, poziția 75, lista conferințe 2013	8,00
39	Szilágyi SM: A Cellular Energetic Extension Applied to the Luo-Rudy II Ventricular Cell Model. Computers in Cardiology 39:857-860 (2012)	1	A	CINC, poziția 75, lista conferințe 2013	8,00
40	Szilágyi L, Szilágyi SM, Benyó Z: A Unified Approach to c-Means Clustering Models. IEEE Conference on Fuzzy Systems, Jeju Island (S. Korea), pp. 456-461 (2009), ISBN 978-1-4244-3597-5	3	A	FUZZ-IEEE, poziția 133, lista conferințe 2013	8,00
41	Szilágyi L, Iclănzan D, Szilágyi SM, Dumitrescu D, Hirsbrunner B: A Generalized C-Means Clustering Model Using Optimized Via Evolutionary Computation. IEEE Conference on Fuzzy Systems, Jeju Island (S. Korea), pp. 451-455 (2009), ISBN 978-1-4244-3597-5	5	A	FUZZ-IEEE, poziția 133, lista conferințe 2013	2,66

42	Szilágyi L, Szilágyi SM, Benyó B, Benyó Z: Application of hybrid c-means clustering models in inhomogeneity compensation and MR brain image segmentation. SACI 2009 Timișoara, pp. 105-110, ISBN 978-1-4244-4478-6 (2009)	4	C	SACI, poziția 601, lista conferințe 2013	1,00
43	Szilágyi SM, Szilágyi L, Iclănzan D, Benyó Z: A weighted patient specific electromechanical model of the heart. SACI 2009 Timișoara, pp. 111-116, ISBN 978-1-4244-4478-6 (2009)	4	C	SACI, poziția 601, lista conferințe 2013	1,00
44	Szilágyi L, Szilágyi SM, Dávid L, Benyó Z: Inhomogeneity compensation for MR brain image segmentation using a multi-stage FCM-based approach. 30th Annual International Conference of IEEE Engineering in Medicine and Biology Society, Vancouver 3896-3899, ISBN 978-1-4244-1814-5, ISSN 1557-170X, (2008)	4	A	EMBC, poziția 53, lista conferințe 2013	4,00
45	Csernák G, Szilágyi L, Szilágyi SM, Fördös G, Benyó Z: A Novel ECG Telemetry and Monitoring System Based on Z-Wave Communication. 30th Annual International Conference of IEEE Engineering in Medicine and Biology Society, Vancouver 2361-2364, ISBN 978-1-4244-1814-5, ISSN 1557-170X, (2008)	5	A	EMBC, poziția 53, lista conferințe 2013	2,66
46	Szilágyi L, Szilágyi SM, Fördös G, Benyó Z: Quick ECG analysis for on-line Holter monitoring systems. 28th Annual International Conference of IEEE Engineering in Medicine and Biology Society, New York 1678-1681 (2006), ISBN 1-4244-0033-3.	4	A	EMBC, poziția 53, lista conferințe 2013	4,00
47	Szilágyi SM, Szilágyi L, Benyó Z: Sensibility Analysis of the Arruda Localization Method and Modifications in Left Ventricle Analysis. 28th Annual International Conference of IEEE Engineering in Medicine and Biology Society, New York 3998-4001 (2006), ISBN 1-4244-0033-3.	3	A	EMBC, poziția 53, lista conferințe 2013	8,00
48	Szilágyi SM, Szilágyi L, Frigy A, Görög LK, László SE, Benyó Z: 3D heart simulation and recognition of various events. 27th Annual International Conference of IEEE Engineering in Medicine and Biology Society, Shanghai 4038-4041 (2005), ISBN 0-7803-8741-4.	6	A	EMBC, poziția 53, lista conferințe 2013	2,00

49	Szilágyi L, Szilágyi SM, Frigy A, László SE, Görög LK, Benyó Z: Quick QRS complex detection for on-line ECG and Holter systems. 27th Annual International Conference of IEEE Engineering in Medicine and Biology Society, Shanghai 3906-3908 (2005), ISBN 0-7803-8741-4.	6	A	EMBC, poziția 53, lista conferințe 2013	2,00
50	Szilágyi L, Benyó Z, Szilágyi SM: Brain image segmentation for virtual endoscopy. 26th Annual International Conference of IEEE Engineering in Medicine and Biology Society, San Francisco 1730-1732 (2004), ISBN: 0-7803-8439-3.	3	A	EMBC, poziția 53, lista conferințe 2013	8,00
51	Szilágyi SM, Benyó Z, Dávid L, Szilágyi L: Adaptive wavelet-transform-based ECG waveforms detection. 25th Annual International Conference of IEEE Engineering in Medicine and Biology Society, Cancún (Mexico) 2412-2415 (2003), ISBN: 0-7803-7789-3.	4	A	EMBC, poziția 53, lista conferințe 2013	4,00
52	Szilágyi L, Benyó Z, Szilágyi SM, Adam HS: MR brain image segmentation using an enhanced fuzzy c-means algorithm. 25th Annual International Conference of IEEE Engineering in Medicine and Biology Society, Cancún (Mexico) 724-726 (2003), ISBN: 0-7803-7789-3.	4	A	EMBC, poziția 53, lista conferințe 2013	4,00
53	Szilágyi L, Benyó Z, Szilágyi SM: A new method for epileptic waveform recognition using wavelet decomposition and artificial neural networks. 24th Annual International Conference of IEEE Engineering in Medicine and Biology Society, Houston 2025-2026 (2002), ISBN 0-7803-7612-9	3	A	EMBC, poziția 53, lista conferințe 2013	8,00
54	Szilágyi SM, Benyó Z, Szilágyi L: Comparison of malfunction diagnosis sensibility for direct and inverse ECG signal processing methods. 24th Annual International Conference of IEEE Engineering in Medicine and Biology Society, Houston 244-245 (2002), ISBN 0-7803-7612-9	3	A	EMBC, poziția 53, lista conferințe 2013	8,00
55	Szilágyi L, Benyó Z, Szilágyi SM, Szlávecz Á, Nagy L: On-line QRS complex detection using wavelet filtering. 23rd Annual International Conference of IEEE Engineering in Medicine and Biology Society, Istanbul 1872-1874 (2001), ISBN: 0-7803-7211-5.	5	A	EMBC, poziția 53, lista conferințe 2013	2,66

56	Szilágyi SM, Szilágyi L: Efficient ECG signal compression using adaptive heart model. 23rd Annual International Conference of IEEE Engineering in Medicine and Biology Society, Istanbul 2125-2128 (2001), ISBN: 0-7803-7211-5.	2	A	EMBC, poziția 53, lista conferințe 2013	8,00
57	Szilágyi SM, Szilágyi L: Wavelet transform and neural-network-based adaptive filtering for QRS detection. 22nd Annual International Conference of IEEE Engineering in Medicine and Biology Society, Chicago 1267-1270 (2000), ISBN: 0-7803-6465-1.	2	A	EMBC, poziția 53, lista conferințe 2013	8,00
58	Szilágyi SM: The limits of heart-model-based computerized ECG diagnosis. 22nd Annual International Conference of IEEE Engineering in Medicine and Biology Society, Chicago 1913-1916 (2000), ISBN: 0-7803-6465-1.	1	A	EMBC, poziția 53, lista conferințe 2013	8,00
59	Szilágyi SM: Non-linear adaptive prediction based ECG signal filtering. 21st Annual International Conference of IEEE Engineering in Medicine and Biology Society, Atlanta 296 (1999), ISBN: 0-7803-5674-8.	1	A	EMBC, poziția 53, lista conferințe 2013	8,00
60	Szilágyi SM: Event recognition, separation and classification from ECG recordings. 20th Annual International Conference of IEEE Engineering in Medicine and Biology Society, Hong Kong 236-239 (1998), ISBN: 0-7803-5167-3.	1	A	EMBC, poziția 53, lista conferințe 2013	8,00
61	Benyó Z, Szilágyi SM, Várady P, Benyó B: Biomedical engineering education in Hungary. 20th Annual International Conference of IEEE Engineering in Medicine and Biology Society, Hong Kong 3359-3360 (1998), ISBN: 0-7803-5167-3.	4	A	EMBC, poziția 53, lista conferințe 2013	4,00
62	Szilágyi SM, Szilágyi L, Dávid L: ECG signal compression using adaptive prediction. 19th Annual International Conference of IEEE Engineering in Medicine and Biology Society, Chicago 101-104 (1997).	3	A	EMBC, poziția 53, lista conferințe 2013	8,00
63	Szilágyi SM, Szilágyi L, Dávid L: Comparison between neural-network-based adaptive filtering and wavelet transform for ECG characteristic points detection. 19th Annual International Conference of IEEE Engineering in Medicine and Biology Society, Chicago 272-274 (1997).	3	A	EMBC, poziția 53, lista conferințe 2013	8,00

Szilágyi László

398 citări incluse

TOTAL PUNCTE	542,25
Categoria A	190,67
Categoria B	102,66
Categoria C	70,50
Categoria D	178,42

Minim 120 puncte, realizate.

Minim 40 puncte din foruri de categoria A sau B, realizate.

Lucrare citată		Autori	Puncte
Szilágyi L, Szilágyi SM, Benyó B: Efficient inhomogeneity compensation using fuzzy c-means clustering models. Computer Methods and Programs in Biomedicine, 108(1):80-89 (2012), ISSN: 0169-2607, IF: 1.555		3	13,00
Lucrare care citează			
Torshizi AD, Zarandi MHF, Torshizi GD, Eghbali K: A hybrid fuzzy-ontology based intelligent system to determine level of severity and treatment recommendation for benign prostatic hyperplasia. Computer Methods and Programs in Biomedicine 113(1):301-313, 2014, ISSN: 0169-2607, IF: 1.555	Categoria	Justificare	Puncte
Bu CW, Tang QJ, Liu JY, Wang Y: Inspection on CFRP sheet with subsurface defects using pulsed thermographic technique. Infrared Physics & Technology 65:117-121, 2014, ISSN: 1350-4495, IF: 1.460	B	Poziția 315, lista jurnale 2013	4,00
Liu JY, Tang QJ, Wang Y, Lu YM, Zhang ZP: Defects' geometric feature recognition based on infrared image edge detection. Infrared Physics & Technology, available online July 30, 2014, ISSN: 1350-4495, IF: 1.460, DOI: 10.1016/j.infrared.2014.07.024	D	Conform serviciului web http://78.96.45.251/DanCristea/in dex.html	1,00
Wang XN, Lin XB, Yuan Z: An Edge Sensing Fuzzy Local Information C-Means Clustering Algorithm for Image Segmentation. In: Huang DS, Jo KH, Wang L (Eds.): Intelligent Computing Methodologies, Springer, LNCS vol. 8589, pp. 230-240 (2014), ISBN: 978-3-319-09338-3.	D	Conform serviciului web http://78.96.45.251/DanCristea/in dex.html	1,00
Cui WC, Wang Y, Fan YY, Feng Y, Lei T: Localized FCM clustering with spatial information for medical image segmentation and bias field estimation. Journal of Biomedical Imaging, article ID 930301, 8 pages, 2013, ISSN: 1687-4188	C	LNCS	2,00
	D	Conform serviciului web http://78.96.45.251/DanCristea/in dex.html	1,00

Ahmadvand A, Kribi P: Multispectral MRI image segmentation using Markov random field model. Signal, Image and Video Processing, doi: 10.1007/s11760-014-0734-4, available online: 6 December 2014, ISSN: 1863-1703, IF: 1.019	C	Poziția 1024, lista jurnale 2013	2,00
Sled JG: Intensity nonuniformity correction. In: Toga AW (Ed): Brain Mapping. An encyclopedic Reference, Academic Press, vol 1, pp. 295-299, 2015, ISBN: 978-0-12-397316-0	D	Capitol carte (Google scholar)	1,00
Aparajeeta J, Nanda PK, Das N: Bias field estimation and segmentation of MR image using modified fuzzy-C means algorithms. 8 th Int'l Conference on Advances in Pattern Recognition (ICAPR 2015, Kolkata), pp. 1-6 (2015)	D	Conferință nelistată, IEEEExplore, article# 7050650, Scopus	1,00

Lucrare citată			
	Categorie	Justificare	Puncte
Szilágyi SM, Szilágyi L, Benyó Z: A Patient Specific Electro-Mechanical Model of the Heart. Computer Methods and Programs in Biomedicine, 101(2):183-200 (2011), ISSN: 0169-2607, IF: 1.516			10,00
Lucrare care citează			
Potse M: Mathematical Modeling and Simulation of Ventricular Activation Sequences: Implications for Cardiac Resynchronization Therapy. Journal of Cardiovascular Translational Research 5:146-158, 2012, ISSN 1937-5387, IF: 3.062	C	Conform serviciului web http://78.96.45.251/DanCristea/in dex.html	2,00
Tavakoli V, Amini AA: A survey of shaped-based registration and segmentation techniques for cardiac images. Computer Vision and Image Understanding 117:966-989, 2013, ISSN 1077-3142, IF: 1.232	A	Poziția 57, lista jurnale 2013	8,00

Lucrare citată			
	Categorie	Justificare	Puncte
Szilágyi L, Szilágyi SM, Benyó B, Benyó Z: Intensity inhomogeneity compensation and segmentation of MR brain images using hybrid c-means clustering models. Biomedical Signal Processing and Control, 6(1):3-12 (2011), ISSN: 1746-8094, IF: 1.000			8,00
Lucrare care citează			
Rastgarpour M, Shanbehzadeh J: A new kernel-based fuzzy level set method for automated segmentation of medical images in the presence of intensity inhomogeneity. Computational and Mathematical Methods in Medicine, art. ID 978373, pp. 1-14, 2014, 1748-670X, IF: 0.791	D	Conform serviciului web http://78.96.45.251/DanCristea/in dex.html	0,50
Rastgarpour M, Shanbehzadeh J, Soltanian-Zadeh H: A Hybrid Method Based on Fuzzy Clustering and Local Region-Based Level Set for Segmentation of Inhomogeneous Medical Images. Journal of Medical Systems, Springer, 38:68, 2014	D	Jurnal nelistat (Google scholar, Scopus)	0,50

Na W: Optimization control system for nitrifying process. Int'l Conference on Modelling, Identification and Control (ICMIC 2011), pp. 382-386 (2011)	D	Conferință nelistată, IEEEExplore	0,50
Che N, Che X, Gao Z, Wang Z: The segmentation algorithm based on regional dynamic search for MR brain image, ICIC Express Letters 5(8B):2957-2963, 2011, ISSN 1881-803X	D	Jurnal nelistat (Scopus)	0,50
Khashandarag AS, Sakhavati A, Khashandarag AS: A frequency-genetic model to MR brain image segmentation. Journal of Basic and Applied Scientific Research 3(9):211-219, 2013, ISSN: 2090-4304	D	Jurnal nelistat (Google scholar)	0,50
Ahmadvand A, Daliri MR: Brain MR image segmentation methods and applications. OMICS Journal of Radiology 3(e130):1-3, 2014, ISSN: 2167-7964	D	Jurnal nelistat (Google scholar)	0,50
Chaddad A, Tanougast C, Dandache A: Snake method enhanced using Canny approach implementation for cancer cells detection in real time. 7th Int'l Conference on Biomedical Electronics and Devices (BIODEVICES 2014, Angers, France), pp. 187-192, 2014, ISBN: 978-989758013-0	D	Conferință nelistată, (dblp, Scopus)	0,50
Aparajeeta J, Nanda PK, Das N: Bias field estimation and segmentation of MR image using modified fuzzy-C means algorithms. 8 th Int'l Conference on Advances in Pattern Recognition (ICAPR 2015, Kolkata), pp. 1-6, 2015	D	Conferință nelistată (Google scholar)	0,50
Binu D: Cluster analysis using optimization algorithms with newly designed objective functions. Expert Systems with Applications 42:5848-5859, 2015, ISSN: 0957-4174, IF: 1.854	A	Poziția 85, lista jurnale 2013	4,00

Lucrare citată		Autori	Puncte
Szilágyi L, Medvés L, Szilágyi SM: A modified Markov clustering approach to unsupervised classification of protein sequences. Neurocomputing, 73(13-15):2332-2345 (2010), ISSN: 0925-2312, IF: 1.429		3	3,00
Lucrare care citează		Justificare	Puncte
Ren J, Cao S, Hu C: A hierarchical clustering algorithm based on dynamic programming for categorical sequences. Journal of Computational Information Systems 7(5):1575-1581, 2011, ISSN 1553-9105	Categoria		
Rodríguez Vásquez AF: Metodología para detectar cambios en el uso de la tierra utilizando los principios de la clasificación orientada a objetos, estudio de caso piedemonte de Villavicencio, Meta. MSc thesis, Universidad Nacional de Colombia. http://www.bdigital.unal.edu.co/5241/	C	Poziția 862, lista jurnale 2013	2,00
	D	Teză doctorat (Google scholar)	1,00

Lucrare citată		Autori	Puncte
Szilágyi L, Szilágyi SM, Benyó Z: Analytical and numerical evaluation of the suppressed fuzzy c-means algorithm: a study on the competition in c-means clustering models. <i>Soft Computing</i> , 14(5):495-505, ISSN: 1432-7643, IF: 1.512		3	15,00
Lucrare care citează		Categoria	Justificare
Zhao F, Fan JL, Liu HQ: Optimal-selection-based suppressed fuzzy c-means clustering algorithm with self-tuning non local spatial information for image segmentation. <i>Expert Systems with Applications</i> 41(9):4083-4093, 2014, ISSN: 0957-4174, IF: 1.965	A	Posiția 85, lista jurnale 2013	8,00
Fan JL, Li J: A fixed suppressed rate selection method for suppressed fuzzy c-means clustering algorithm. <i>Applied Mathematics</i> 5:1275-1283, 2014, ISSN: 2152-7385	D	Jurnal nelistat (Google scholar)	1,00
Zhao XQ, Zhou JH: An improved IWO-FCM data mining algorithm. 26th Chinese Control and Decision Conference (CCDC 2014, Changsha), pp. 4997-5001, 2014, ISBN: 978-1-4799-3707-3	D	Conferință nelistată (IEEEExplore)	1,00
Fan JL: A brief overview on suppressed fuzzy c-means clustering (Chinese). <i>Journal of Xi'an University of Posts and Telecommunications</i> 19(3):5pages, 2014, ISSN: 2095-6533, http://www.cqvip.com/read/read.aspx?id=50032093#	D	Jurnal nelistat (Google scholar)	1,00
Ma C, Cao A, Zhou Y: Primary research on improved algorithm of ant colony clustering combination. <i>Journal of Shenyang Jianzhu University (Natural Science)</i> 27(4):798-803, ISSN 1671-2021 (Scopus)	D	Jurnal nelistat (Scopus)	1,00
Li J, Fan JL: Parameter selection for suppressed fuzzy c-means clustering algorithm based on fuzzy partition entropy. <i>Fuzzy Systems and Knowledge Discovery (FSKD 2014, Xiamen, China)</i> , pp. 82-87, 2014, ISBN: 978-1-4799-5147-5	C	poziția 463, lista conferințe 2013	2,00
Liu Z, Song YQ: An adapted spatial information kernel-based Fuzzy C-Means clustering method. 7 th International Congress on Image and Signal Processing (CISP 2014, Dalian), pp. 370-374, 2014	D	Conferință nelistată (Google scholar, Scopus)	1,00

Lucrare citată				Autori	Puncte
Sziilágyi SM, Sziilágyi L, Iclánzan D, Dávid L, Frigy A, Benyó Z: Intensity inhomogeneity correction and segmentation of magnetic resonance images using a multi-stage fuzzy clustering approach. Neural Network World, 19:513-528 (2009), ISSN: 1210-0552, IF: 0.475				6	0,75
Lucrare care citează				Categoria	Justificare
Tarek KM, Farouk B: Kohonen maps combined to fuzzy c-means, a two-level clustering approach. Application to electricity load data. In: Mwasiagi JI (Ed.): Self Organizing Maps – Applications and Novel Algorithm Design, Intech, 2011, ISBN 978-953-307-546-4, pp. 541-558				D	Conferință nelistată (Google Scholar)
Berkane M, Clarysse P, Nijwa JY, Zhu YM, Magnin IE: A neural network based summarizing method of periodic image sequences. Neural Network World, 20(6):687-703 (2010), ISSN 1210-0552, IF: 0.511				C	Poziția 977, lista jurnale 2013

Lucrare citată				Autori	Puncte
Sziilágyi L, Sziilágyi SM, Iclánzan D, Szabó L: Efficient 3D Curve Skeleton Extraction from Large Objects. In: San Martin C, Kim SW (Eds.): Progress in Pattern Recognition, Image Analysis, Computer Vision, and Applications, Springer, LNCS vol. 7042, pp. 133-140 (2011), ISBN: 978-3-642-25084-2.				4	2,50
Lucrare care citează				Categoria	Justificare
Lu L, Wang XW: 3D skeleton extraction method using potential field on OpenCL. International Conference on Computer Science and Service Systems (CSSS 2014, Bangkok), pp. 305-309, 2014				D	Conferință nelistată (Google Scholar)
Benyó B: Identification of dental root canals and their medial line from micro-CT and cone beam CT records. BioMedical Engineering Online 11:81, pp. 1-17, 2012, ISSN 1475-925X, IF: 1.608				B	Conform serviciului web http://78.96.45.251/DanCristea/in dex.html

Lucrare citată				Autori	Puncte
Sziilágyi L, Sziilágyi SM, Kiss Cs: A generalized approach to the suppressed fuzzy c-means algorithm. In: Torra V, Narukawa Y, Durmas M (Eds.): Modeling Decisions for Artificial Intelligence, Springer, LNCS vol. 6408, pp. 140-151 (2010), ISBN: 978-3-642-16291-6.				3	1,00
Lucrare care citează				Categoria	Justificare
Fan JL: A brief overview on suppressed fuzzy c-means clustering (Chinese). Journal of Xi'an University of Posts and Telecommunications 19(3):5pages, 2014, ISSN: 2095-6533, http://www.cqvip.com/read/read.aspx?id=50032093#				D	Jurnal nelistat, (Google scholar)

Lucrare citată			Autori	Puncte	
Szilágyi L, Szilágyi SM, Benyó Z: Analytical and numerical evaluation of the suppressed fuzzy c-means algorithm. In: Torra V, Narukawa Y (Eds.): Modeling Decisions for Artificial Intelligence, Springer, LNCS vol. 5285, pp. 146-157 (2008), ISBN: 978-3-540-88268-8.			3	4,00	
Lucrare care citează			Categoria	Justificare	Puncte
Fan JL: A brief overview on suppressed fuzzy c-means clustering (Chinese). Journal of Xi'an University of Posts and Telecommunications 19(3):5pages, 2014, ISSN: 2095-6533, http://www.cqvip.com/read/read.aspx?id=50032093#			D	Jurnal nelistat, (Google scholar)	1,00
Fan JL, Li J: A fixed suppressed rate selection method for suppressed fuzzy c-means clustering algorithm. Applied Mathematics 5:1275-1283, 2014, ISSN: 2152-7385			D	Jurnal nelistat (Google scholar)	1,00
Li J, Fan JL: Parameter selection for suppressed fuzzy c-means clustering algorithm based on fuzzy partition entropy. Fuzzy Systems and Knowledge Discovery (FSKD 2014, Xiamen, China), pp. 82-87, 2014, ISBN: 978-1-4799-5147-5			D	Conferință nelistată (Google scholar)	1,00
Seo J, Kang M, Kim CH, Kim JM: A heterogeneous fuzzy clustering approach for reliable audio genre classification. International Conference on Image Processing, Computer Vision, and Pattern Recognition (ICCV 2014, Las Vegas) paper IPC3108, pp. 1-8, 2014			D	Conferință nelistată (Google scholar)	1,00

Lucrare citată			Autori	Puncte	
Medvés L, Szilágyi L, Szilágyi SM: A modified Markov clustering approach for protein sequence clustering. In: Chetty M, Ngom A, Ahmad S (Eds.): Pattern Recognition in Bioinformatics, Springer, LNCS vol. 5265, pp. 110-120 (2008), ISBN: 978-3-540-88434-7.			3	1,00	
Lucrare care citează			Categoria	Justificare	Puncte
Ebadat AR: Toward robust information extraction models for multimedia documents (French). PhD Thesis, INSA Rennes France, 2012, http://hal.archives-ouvertes.fr/tel-00760383/			D	Teză doctorat (Google scholar)	1,00

Lucrare citată			Autori	Puncte
Szilágyi L, Szilágyi SM, Benyó Z: A thorough analysis of the suppressed fuzzy c-means algorithm. In: Ruiz-Schulcloper J, Kropatsch WG (Eds.): Progress in Pattern Recognition, Image Analysis and Applications, Springer, LNCS vol. 5197, pp. 203-210 (2008), ISBN: 978-3-540-85919-2.			3	6,00
Lucrare care citează			Categoria	Justificare
Fan JL: A brief overview on suppressed fuzzy c-means clustering (Chinese). Journal of Xi'an University of Posts and Telecommunications 19(3):5pages, 2014, ISSN: 2095-6533, http://www.cvip.com/read/read.aspx?id=50032093#			D	Jurnal nelistat, (Google scholar)
Fan JL, Li J: A fixed suppressed rate selection method for suppressed fuzzy c-means clustering algorithm. Applied Mathematics 5:1275-1283, 2014, ISSN: 2152-7385			D	Jurnal nelistat (Google scholar)
Somasundaram K, Kalaiselvi T: A comparative study of segmentation techniques used for MR brain images. International Conference on Image Processing, Computer Vision & Pattern Recognition (IPCV 2009, Las Vegas) pp. 597-603, 2009, ISBN 1-60132-119-8			D	Conferință nelistată (dblp)
Li J, Fan JL: Parameter selection for suppressed fuzzy c-means clustering algorithm based on fuzzy partition entropy. Fuzzy Systems and Knowledge Discovery (FSKD 2014, Xiamen, China), pp. 82-87, 2014, ISBN: 978-1-4799-5147-5			C	poziția 463, lista conferințe 2013
Karuppanagounder S, Thiruvenkadam K: A comparative study of segmentation techniques used for MR brain images. International Conference on Image Processing, Computer Vision, & Pattern Recognition (IPCV 2009, Las Vegas), pp. 597-603, ISBN: 1-60132-119-8			D	Conferință nelistată (dblp)

Lucrare citată			Autori	Puncte
Szilágyi L, Szilágyi SM, Dávid L, Benyó Z: Multi-stage FCM-based intensity inhomogeneity correction for MR brain image segmentation. In: Kurková V, Neruda R, Koutník J (Eds.): Artificial Neural Networks, Springer, LNCS vol. 5164, pp. 527-536 (2008), ISBN: 978-3-540-85237-7			4	0,50
Lucrare care citează			Categoria	Justificare
Lu BB, Jia ZH, Yang J, Hu R: A new Fuzzy C-means algorithm based on gray value compensation and spatial information for aerial image segmentation. Guangdianzi Jiguang/Journal of Optoelectronics Laser 22(3):469-473, 2011, ISSN 1005-0086 (Google Scholar)			D	Jurnal nelistat (Google scholar)

Lucrare citată			Autori	Puncte
Szilágyi SM, Szilágyi L, Benyó Z: Adaptive ECG compression using support vector machine. In: Rueda L, Mery D, Kittler J (Eds.): Progress in Pattern Recognition, Image Analysis and Applications, Springer, LNCS vol. 4756, pp. 594-603 (2007), ISBN: 978-3-540-76724-4.			3	6,00
Lucrare care citează			Justificare	Puncte
Molina-Picó A, Cuesta-Frau D, Miró-Martínez P, Oltra-Crespo S, Aboy M: Influence of QRS complex detection errors on entropy algorithms. Application to heart rate variability discrimination. Computer Methods and Programs in Biomedicine 110(1):2-11, 2013, ISSN 0169-2607, IF: 1.093			B	4,00
Fira M, Goras L, Barabasa C, Cleju N: On ECG compressed sensing using specific overcomplete dictionaries. Advances in Electrical and Computer Engineering 10(4):23-28, 2010, ISSN 1582-7445, CIF: 0.552			C	2,00

Lucrare citată			Autori	Puncte
Szilágyi SM, Szilágyi L, Benyó Z: Echocardiographic image sequence compression based on spatial active appearance model. In: Rueda L, Mery D, Kittler J (Eds.): Progress in Pattern Recognition, Image Analysis and Applications, Springer, LNCS vol. 4756, pp. 841-850 (2007), ISBN: 978-3-540-76724-4.			3	2,00
Lucrare care citează			Justificare	Puncte
Kountchev R, Ivanov P: Decorrelation of sequences of medical CT images based on the hierarchical adaptive KLT. In: Kountchev R, Inatovics B (eds): Advances in Intelligent Analysis of Medical Data and Decision Support Systems. Studies in Computational Intelligence 473:41-55, 2013, ISBN 978-3-319-00029-9			D	1,00
Lecellier F: Les contours actifs basés région avec a priori de bruit, de texture et de forme: application à l'échocardiographie, PhD Thesis, Univ. Caen, France, 2009.			D	1,00

Lucrare citată		Autori	Puncte
Lucrare care citează		Justificare	Puncte
Szilágyi L, Szilágyi SM, Benyó Z: A modified fuzzy c-means algorithm for MR brain image segmentation. In: Kamel MS, Campilho AC (Eds.): Image Analysis and Recognition, Springer, LNCS vol. 4633, pp. 866-877 (2007), ISBN: 978-3-540-74258-6.		3	51,00
Demirhan A, Güler I: Combining stationary wavelet transform and self-organizing maps for brain MR image segmentation. Engineering Applications of Artificial Intelligence 24(2):358-367, 2011, ISSN 0952-1976, IF: 1.625	B	Poziția 348, lista jurnale 2013	4,00
Gordillo N, Montseny E, Sobrevilla P: State of the art survey on MRI brain tumor segmentation, Magnetic Resonance Imaging 31(8):1426-1438, 2013, ISSN 0730-725X, IF: 2.060	A	Conform serviciului web http://78.96.45.251/DanCristea/in dex.html	8,00
Harati V, Khayati R, Farzan A: Fully automated tumor segmentation based on improved fuzzy connectedness algorithm in brain MR images. Computers in Biology and Medicine 41(7):483-492, 2011, ISSN 0010-1425, IF: 1.162	B	Poziția 326, lista jurnale 2013	4,00
Shyu KK, Wu YT, Chen TR, Chen HY, Hu HH, Guo WY: Measuring complexity of fetal cortical surface from MR images using 3-D modified box-counting method. IEEE Transactions on Instrumentation and Measurement, 60(2):522-531, 2011, ISSN 0018-9456, IF: 1.36	B	Conform serviciului web http://78.96.45.251/DanCristea/in dex.html	4,00
Benyó Z: Identification of dental root canals and their medial line from micro-CT and cone-beam CT records. BioMedical Engineering OnLine 11:81, pp. 1-17, 2012, ISSN 1475-925X, IF: 1.608	B	Conform serviciului web http://78.96.45.251/DanCristea/in dex.html	4,00
Güvenc U, Demirci R, Karagül T: Light refraction based medical image segmentation. Scientific Research and Essays 5(10):1127-1132, 2010, ISSN 1992-2248, IF: 0.32	D	Conform serviciului web http://78.96.45.251/DanCristea/in dex.html	1,00
Popuri K, Cobzas D, Jagersand M, Shah SL, Murtha A: 3D variational brain tumor segmentation on a clustered feature set. Proc. of SPIE, vol. 7259, pp. 72591N-10, 2009 (Google Scholar)	D	Conferință nelistată (Google scholar)	1,00
Chen Q, Ji Z, Sun Q, Xia D: Homogeneous patch based FCM algorithm for brain MR image segmentation. Proceedings of the 2009 Chinese Conference on Pattern Recognition, CCPR 2009, and the 1st CJK Joint Workshop on Pattern Recognition, CJKPR 2009, Article number 5344038, pp. 593-597 (IEEEExplore)	D	Conferință nelistată (IEEEExplore)	1,00

Chen Z, Zwiggelaar R: A modified fuzzy c-means algorithm for breast tissue density segmentation in mammograms. IEEE International Conference on Information Technology and Applications in Biomedicine (ITAB) Corfu, pp. 1-4, 2010, ISBN 978-1-4244-6559-0 (IEEEExplore)	D	Conferință nelistată (IEEEExplore)	1,00
Kumar S, Ray SK, Tewari P: A combined approach using fuzzy clustering and local image fitting level set method for global image segmentation. Canadian Journal on Image Processing and Computer Vision 3(1):1-5, 2012 (Google Scholar)	D	Conferință nelistată (Google scholar)	1,00
Zanaty EA, Affifi A: A new fuzzy c-means for magnetic resonance images (MRIs) segmentation. Journal of Pattern Recognition and Intelligent Systems 1(1):1-9, 2013, ISSN 2309-0669 (Google Scholar)	D	Conferință nelistată (Google scholar)	1,00
Kumar S, Ray SK, Tewari P: A hybrid approach for image segmentation using fuzzy clustering and level set method. International Journal on Image Graphics and Signal Processing 6:1-7, 2012, ISSN 2074-9074 (Google Scholar)	D	Conferință nelistată (Google scholar)	1,00
AbouSora H, Ghoniemy S, Banwan SA, Zanaty EA, Affifi A: Improved fuzzy possibilistic c-means (IFPCM) algorithms for magnetic resonance images segmentation. Journal of Global Research in Computer Science 4(1):1-8, 2013, ISSN 2229-371X (Google Scholar)	D	Conferință nelistată (Google scholar)	1,00
Zanaty EA, Aljahdali S, Karam M: Improving fuzzy c-means for MRIs segmentation. 26 th International Conference on Computer Applications in Industry and Engineering (CAINE 2013, Los Angeles), pp. 211-216, 2013 (Scopus)	D	Conferință nelistată (Scopus)	1,00
Tamije Selvy P, Palanisamy V, Sri Radhai M: Segmentation of CSF in MRI brain images using optimized clustering methods. Asian Journal of Information Technology 12(4):109-116, 2013, ISSN 1682-3915 (Scopus)	D	Conform serviciului web http://78.96.45.251/DanCristea/in dex.html	1,00
Tamije Selvy P, Palanisamy V, Sri Radhai M: A Proficient Clustering Technique to Detect CSF Level in MRI Brain Images Using PSO Algorithm. WSEAS Transactions on Computers 12(7):298-308, 2013, ISSN 1109-2750 (Scopus)	D	Conferință nelistată (Scopus)	1,00
Tamije Selvy P, Palanisamy V, Sri Radhai M: An improved MRI brain image segmentation to detect cerebrospinal fluid level using anisotropic diffused fuzzy c means. WSEAS Transactions on Computers 12(7):145-154, 2013, ISSN 1109-2750 (Scopus)	D	Conferință nelistată (Scopus)	1,00
Meschino GJ: Modelos híbridos de inteligencia computacional aplicados en la segmentación de imágenes de resonancia magnética. PhD Thesis, Universidad Nacional de Mar del Plata, Buenos Aires, 2008.	D	Teză doctorat (Google scholar)	1,00
Gordillo N: Contributions to automatic and unsupervised MRI brain tumor segmentation: a new fuzzy approach. PhD thesis, Universitat Politècnica de Catalunya, 2010	D	Teză doctorat (Google scholar)	1,00

Tamije Selvy P: Optimization techniques for certain classification and clustering problems in medical images. PhD thesis, Anna University, Chennai, India, 2013, http://hdl.handle.net/10603/24685	D	Teză doctorat (Google scholar)	1,00
Jobin Christ MC: Segmentation and classification of brain tumors using hierarchical topology preserving map. PhD thesis, Anna University, Chennai, India, 2013, http://hdl.handle.net/10603/22997	D	Teză doctorat (Google scholar)	1,00
Altameem T, Zanaty EA, Tolba A: A new fuzzy C-means method for magnetic resonance image brain segmentation. Connection Science (Taylor & Francis), available online 4 December 2014, doi: 10.1080/09540091.2014.970126, ISSN: 0954-0091, IF 0.769	B	Poziția 332, lista jurnale 2013	4,00
Yuan Y, Chen L, Ren YP, Wang XH: Research on fuzzy c-means clustering algorithm combining gravity (Chinese). Computer Applications and Software 27(8):3pages, 2010	D	Jurnal nelistat (Google scholar)	1,00
Zanaty EA: An adaptive fuzzy c-means algorithm for improving MRI segmentation. Open Journal of Medical Imaging (OJMI) 3(4):125-135, 2013, ISSN: 2164-2788	D	Jurnal nelistat (Google scholar)	1,00
Liu J, Li M, Wang JX, Wu FX, Liu TM, Pan Y: A survey of MRI-based brain tumor segmentation methods. Tsinghua Science and Technology 19(6):578-595, 2014, ISSN: 1007-0214	D	Jurnal nelistat (Google scholar)	1,00
Cherfa A, Cherfa Y, Moudache S: Segmentation of brain MRIs by support vector machine: detection and characterization of strokes. Journal of Mechanics in Medicine and Biology, available online 13 February 2015, doi: 10.1142/S0219519415500761, ISSN 0219-5194	D	Jurnal nelistat (Google scholar)	1,00
Taher A: Approche coopérative et non supervisée de partitionnement d'images hyperspectrales pour l'aide à la décision. PhD thesis, Université Rennes 1, France, 2014	D	Teză doctorat (Google scholar)	1,00
Buragga KZ, Zanaty EZ, Aljhdali S: Fuzzy c-means based on Gaussian function for magnetic resonance images (MRIs) segmentation. 30th International Conference on Computers and Their Applications (CATA 2015, Honolulu), pp. 467-473, 2015	C	poziția 434, lista conferințe 2013	2,00

Lucrare citată		Autori	Puncte
Sziłágyi L, Sziłágyi SM, Benyó Z: A Modified Fuzzy C-Means Classifier for Fast Segmentation of MR Brain Images. In: Melin P, Castillo O, Ramirez EG, Kacprzyk J, Pedrycz W (Eds.): Analysis and Design of Intelligent Systems Using Soft Computing Techniques, Springer, Advances in Soft Computing vol. 41, pp. 119-127, ISBN: 978-3-540-72431-5		3	24,00
Lucrare care citează		Justificare	Puncte
Ji ZX, Sun QS, Xia DS: A modified possibilistic fuzzy c-means clustering algorithm for bias field estimation and segmentation of brain MR image, Computerized Medical Imaging and Graphics 35(5):383-397, 2011, ISSN 0895-6111, IF: 1.664		Categoria B	4,00

Ji ZX, Xia Y, Chen Q, Sun QS, Xia DS, Feng DD: Fuzzy c-means clustering with weighted image patch for image segmentation. Applied Soft Computing Journal 12(6):1659-1667, 2012, ISSN 1568-4946, IF: 2.140	A	Poziția 26, lista jurnale 2013	8,00
Srivastava A, Singhai J, Bhattacharya M: Collaborative rough-fuzzy clustering: An application to intensity non-uniformity correction in brain MR images. IEEE International Conference on Fuzzy Systems (FUZZ-IEEE 2013, Hyderabad), paper no. 6622515, pp. 1-6, ISBN: 978-1-4799-0020-6	A	poziția 133, lista conferințe 2013	8,00
Ji Z, Chen Q, Sun Q, Xia D: Image segmentation with anisotropic weighted fuzzy c-means clustering (Chinese). Journal of Computer-Aided Design and Computer Graphics, 21(10):1451-1459+1466, ISSN: 1003-9775, 2009	D	Conferință nelistată (Google Scholar, Scopus)	1,00
Cai W, Chen S, Lei L: A fuzzy clustering algorithm for image segmentation using dependable neighbor pixels. Proceedings of the 2009 Chinese Conference on Pattern Recognition, CCPR 2009, and the 1st CJK Joint Workshop on Pattern Recognition, CJKPR 2009, Article number 5343993, pp. 840-844, 2009	D	Conferință nelistată (IEEEExplore)	1,00
Buragga KA, Zanaty EA, Aljhdali S: Fuzzy C-means algorithm based on gaussian function for magnetic resonance images (MRIs) segmentation. 30th International Conference on Computers and Their Applications (CATA 2015, Honolulu), pp. 467-473, 2015	D	Conferință nelistată Scopus	1,00
Al-Jabbouli H: Data clustering using the Bees algorithm and the Kd-Tree structure. PhD thesis, Cardiff University UK, 2009	D	Teză doctorat (Google Scholar)	1,00

Lucrare citată		Autori	Puncte
Szilágyi SM, Szilágyi L, Benyó Z: Volumetric analysis of the heart using echocardiography. In: Sachse FB, Seemann G (Eds.): Functional Imaging and Modeling of the Heart, Springer, LNCS vol. 4466, pp. 81-90 (2007), ISBN: 978-3-540-72906-8.		3	1,00
Lucrare care citează		Justificare	Puncte
Irving Dindoyal: Foetal echocardiographic segmentation, PhD thesis, Dept. of Medical Physics and Bioengineering, University College London, 2009		Teză doctorat (Google Scholar)	1,00

Lucrare citată			Autori	Puncte
Szilágyi L, Szilágyi SM, Benyó Z: A Unified Approach to c-Means Clustering Models. IEEE Conference on Fuzzy Systems, Jeju Island (S. Korea), pp. 456-461 (2009), ISBN 978-1-4244-3597-5			3	3,00
Lucrare care citează			Justificare	Puncte
Fan JL: A brief overview on suppressed fuzzy c-means clustering (Chinese). Journal of Xi'an University of Posts and Telecommunications 19(3):5pages, 2014, ISSN: 2095-6533, http://www.cqvip.com/read/read.aspx?id=50032093#			Jurnal nelistat (Google scholar)	1,00
Kumar S, Kumar N: Fuzzy time series based method for wheat production forecasting. International Journal of Computer Applications 44(12):5-10, 2012, ISSN 2250-1797, IF: 0.82			Jurnal nelistat (Google scholar)	1,00
Seo J, Kang M, Kim CH, Kim JM: A heterogeneous fuzzy clustering approach for reliable audio genre classification. International Conference on Image Processing, Computer Vision, and Pattern Recognition (ICCV 2014, Las Vegas), paper IPC3108, pp. 1-8, 2014			Conferință nelistată (Google scholar)	1,00

Lucrare citată			Autori	Puncte
Szilágyi L, Iclănzan D, Dumitrescu D, Hirsbrunner B: A Generalized C-Means Clustering Model Using Optimized Via Evolutionary Computation. IEEE Conference on Fuzzy Systems, Jeju Island (S. Korea), pp. 451-455 (2009), ISBN 978-1-4244-3597-5			5	1,00
Lucrare care citează			Justificare	Puncte
Xiao M, Zhang J, Zhou L: The evolutionary algorithm of fuzzy weighting exponent based on subset measuring. 2010 International Conference on Intelligent System Design and Engineering Application, ISDEA 2010, pp. 651-654, 2010			Conferință nelistată (IEEEExplore, Scopus)	0,33
Xiao MS, Zhang JW: The Weighted exponent Calculation Method of FCM Clustering Based on Subset Measuring (Chinese). Fuzzy Systems and Mathematics 27(2):unknown, 2013, ISSN: 1001-7402, DOI: 10.3969/j.issn.1001-7402.2013.02.022			Jurnal nelistat (Google scholar)	0,33
Zhou LJ, Wang JY: Evolution computing method of fuzzy weighted exponent based on subset measuring (Chinese). Computer Engineering and Design 32(5):1777-1780, ISSN 1000-7024, 2011 (Scopus)			Jurnal nelistat (Google scholar)	0,33

Lucrare citată		Autori	Puncte
Szilágyi L, Szilágyi SM, Benyó B, Benyó Z: Application of hybrid c-means clustering models in inhomogeneity compensation and MR brain image segmentation. SACI 2009 Timișoara, pp. 105-110, ISBN 978-1-4244-4478-6 (2009)		4	5,50
Lucrare care citează		Justificare	Puncte
Chi D, Cheng W: A hybrid clustering method for automatic medical image segmentation, Journal of Computational Information Systems 6(6):1983-1993, 2010, ISSN: 1553-9105 (Scopus)	C	Poziția 862, lista jurnale 2013	1,00
Chi D, Zhao Y, Li M: Automatic liver MR image segmentation with self-organizing map and hierarchical agglomerative clustering method. 3rd International Congress on Image and Signal Processing, CISP 2010, pp. 1333-1337, ISBN 978-1-4244-6513-2	D	Conferință nelistată (IEEEExplore, Scopus)	0,50
Chi DX, Zhao FJ, Li M, Zhao Y, Liu WH: Hybrid clustering method for segmentation of liver magnetic resonance image. Journal of Shanghai Dianji University 13(5):270-275, 2010, ISSN 1671-2730 (Scopus)	D	Jurnal nelistat (Scopus)	0,50
Venu N, Anuradha B: A novel multiple-kernel based fuzzy c-means algorithm with spatial information for medical image segmentation. International Journal of Image Processing (IJIP) 7(3):286-301, 2013, ISSN 1985-2304 (Scopus)	D	Jurnal nelistat (Scopus)	0,50
Venu N, Anuradha B: PENR based fuzzy clustering algorithms for medical image segmentation. International Journal of Image Processing and Visual Communication (IJIP) 2(2):1-7, 2013, ISSN 2319-1724	D	Jurnal nelistat (Google Scholar)	0,50
Selvaraj Assley PSB, Chellakkon HS: A comparative study on medical image segmentation. Applied Medical Informatics 34(1):31-45, 2014, ISSN 1224-5593	D	Conform serviciului web http://78.96.45.251/DanCristea/fin dex.html	0,50
Venu N, Anuradha B: Two different multi-kernels for fuzzy c-means algorithm for medical image segmentation. International Journal of Engineering Trends and Technology (IJETT) 20(2):77-82, 2015, ISSN 2231-5381	D	Conferință nelistată (Google Scholar)	0,50
Venu N, Anuradha B: Integration of hyperbolic tangent and Gaussian kernels for Fuzzy C-means algorithm with spatial information for MRI segmentation. Fifth International Conference on Advanced Computing (ICoAC 2013, Chennai, India), pp. 280-285, ISBN: 978-1-4799-3447-8	D	Conferință nelistată (Google Scholar)	0,50
Venu N: Performance and evaluation of Gaussian kernels for FCM algorithm with mean filtering based denoising for MRI segmentation. International Conference on Communications and Signal Processing (ICCSIP 2014, Melmaruvathur, India), pp. 1680-1685, ISBN: 978-1-4799-3357-0	D	Conferință nelistată (Google Scholar)	0,50

Venu N, Anuradha B: Multi-hyperbolic tangent fuzzy c-means algorithm for MRI segmentation. Elsevier Proc. of Int. Conf. on Advances in Communication, Network, and Computing (CNC 2014, Chennai, India), pp. 333-341, 2014	D	Conferință nelistată (Google Scholar)	0,50
--	---	---------------------------------------	------

Lucrare citată			
Text	Categorie	Justificare	Puncte
Szilágyi L, Szilágyi SM, Dávid L, Benyó Z: Inhomogeneity compensation for MR brain image segmentation using a multi-stage FCM-based approach. 30th Annual International Conference of IEEE Engineering in Medicine and Biology Society, Vancouver 3896-3899, ISBN 978-1-4244-1814-5, ISSN 1557-170X, (2008)			2,00
Lucrare care citează			
Chi D, Cheng W: A hybrid clustering method for automatic medical image segmentation, Journal of Computational Information Systems 6(6):1983-1993, 2010, ISSN: 1553-9105 (Scopus)	C	Poziția 862, lista jurnale 2013	1,00
Chi D, Zhao Y, Li M: Automatic liver MR image segmentation with self-organizing map and hierarchical agglomerative clustering method. 3rd International Congress on Image and Signal Processing, CISP 2010, pp. 1333-1337, ISBN 978-1-4244-6513-2	D	Conferință nelistată (IEEEExplore, Scopus)	0,50
Chi DX, Zhao FJ, Li M, Zhao Y, Liu WH: Hybrid clustering method for segmentation of liver magnetic resonance image. Journal of Shanghai Dianji University 13(5):270-275, 2010, ISSN 1671-2730 (Scopus)	D	Jurnal nelistat (Scopus)	0,50

Lucrare citată			
Text	Categorie	Justificare	Puncte
Csemáth G, Szilágyi L, Szilágyi SM, Fördös G, Benyó Z: A Novel ECG Telemetry and Monitoring System Based on Z-Wave Communication. 30th Annual International Conference of IEEE Engineering in Medicine and Biology Society, Vancouver 2361-2364, ISBN 978-1-4244-1814-5, ISSN 1557-170X, (2008)			1,00
Lucrare care citează			
Tsau Y, Jiang XL, Yu Y, Xu T, Chen JF, Shi B, Yang S, Liu SY: A new approach to the diagnostic quality ambulatory ECG recordings. IEEE Int'l Conference on Information and Automation (ICIA), pp. 85-90, 2011 ISBN 978-1-4577-0268-6	D	Conferință nelistată (IEEEExplore, Scopus)	0,33

Długosz M, Chronowski J, Baranowski J, Piątek P, Miłkowski W, Skrucz P: Wireless home automation system working in a standard Z-Wave network (Polish). <i>Pomiary Automatyka Robotyka</i> 2013(7-8):100-106, 2013, ISSN: 1427-9126	D	Jurnal nelistat (Google Scholar)	0,33
Casillas M, Villairreal-Reyes S, González AL, Martínez E, Perez-Ramos A: Design guidelines for wireless sensor network architectures in mHealth mobile patient monitoring scenarios. In: Adibi S (Ed.): <i>Mobile Health. A technology road map</i> . Springer Series in Bio-Neuroinformatics, vol. 5, pp. 401-428, 2015, ISBN 978-3-319-12816-0	D	Jurnal nelistat (Google Scholar)	0,33

Lucrare citată		Autori	Puncte
Szilágyi L, Szilágyi SM, Fördös G, Benyó Z: Quick ECG analysis for on-line Holter monitoring systems. 28th Annual International Conference of IEEE Engineering in Medicine and Biology Society, New York 1678-1681 (2006), ISBN 1-4244-0033-3.		4	4,00
Lucrare care citează		Justificare	Puncte
Korürek M, Nizam A: Clustering MIT-BIH arrhythmias with Ant Colony Optimization using time domain and PCA compressed wavelet coefficients. <i>Digital Signal Processing</i> 20(4): 1050-1060, 2010, ISSN 1051-2004, CIF: 1.918	B	Lista jurnale 2013 Conferință nelistată (IEEEExplore, Scopus)	2,00
Bera SC, Sarkar R: Fourier analysis of normal ECG signal to find its maximum harmonic content by signal reconstruction. <i>Sensors and Transducers</i> 123(12): 106-117, 2010, ISSN 1726-5479	D	Jurnal nelistat (Google Scholar)	0,50
Bera SC, Sarkar R, Mandal N: A review work on reconstruction of ECG wave from Fourier harmonic components. <i>IEEE Region 10 Colloquium and 3rd Int'l Conference on Industrial and Information Systems, ICIS</i> 2008, pp. 1-5, 2008, ISBN 978-1-4244-2806-9	D	Conferință nelistată (IEEEExplore)	0,50
Greenstein E, Rosenthal JE: ECG telemetry and long term electrocardiography. In: Goldberger JJ, Ng J: <i>Practical signal and image processing in clinical cardiology</i> , Springer, Part 2, pp. 303-317, 2010, ISBN 978-1-84882-514-7	D	Capitol de carte (Springer)	0,50
Yuan JZ: On improved K-nearest neighbor algorithm used for classification of waveforms of dynamic electrocardiogram. <i>Journal of Tianjin Normal University (Natural Sciences Series)</i> , 2008, no. 3, pp. 63-66, ISSN 1671-1114	D	Jurnal nelistat (Google Scholar)	0,50

Lucrare citată			Autori	Puncte	
Szilágyi L, Szilágyi SM, Frigy A, László SE, Görög LK, Benyó Z: Quick QRS complex detection for on-line ECG and Holter systems. 27th Annual International Conference of IEEE Engineering in Medicine and Biology Society, Shanghai 3906-3908 (2005), ISBN 0-7803-8741-4.			6	1,25	
Lucrare care citează			Categoria	Justificare	Puncte
Singh SS: Effectiveness of a Handheld Remote ECG Monitor, PhD Thesis, University of North Carolina, Chapel Hill, 2006			D	Teză doctorat (Google Scholar)	0,25
Daqrouq K, Abu-Isbeih IN, Al-Qawasm AR: QRS complex detection based on Symmlets wavelet function. 5th International Multi-Conference on Systems, Signals & Devices (SSD'08), art #4632788, 2008.			D	Conferință nelistată (Google Scholar)	0,25
Greenstein E, Rosenthal JE: ECG telemetry and long term electrocardiography. In: Goldberger JJ, Ng J: Practical signal and image processing in clinical cardiology, Springer, Part 2, pp. 303-317, 2010			D	Capitol de carte (Google Scholar)	0,25
Wu QL, He AJ: Heart diseases diagnosing system based on AT91SAM9261S (Chinese). Modern Electronics Technique 33(14), 2010, DOI:10.3969/j.issn.1004-373X.2010.14.010, ISSN 1004-373X			D	Jurnal nelistat (Google Scholar)	0,25
Sankara Subramanian A: Certain investigations on ecg feature extraction using wavelet transform and classification of ventricular arrhythmia. PhD thesis, Anna University, Chennai, India, 2014			D	Teză doctorat (Google Scholar)	0,25

Lucrare citată			Autori	Puncte	
Szilágyi L, Benyó Z, Szilágyi SM: Brain image segmentation for virtual endoscopy. 26th Annual International Conference of IEEE Engineering in Medicine and Biology Society, San Francisco 1730-1732 (2004), ISBN: 0-7803-8439-3.			3	3,00	
Lucrare care citează			Categoria	Justificare	Puncte
Song J, Zhao Q, Wang Y, Tian J: Gain field correction fast fuzzy c-means algorithm for segmenting magnetic resonance images. In: Yang Q, Webb G: PRICAI 2006: Trends in Artificial Intelligence. Lecture Notes in Computer Science, vol. 4099, pp. 1242-1247, 2006 (PRICAI), ISBN 978-3-540-36667-6			C	LNCS	2,00

Zhao Q, Song J, Wu J: Improved fuzzy c-means segmentation algorithm for images with intensity inhomogeneity. In: Melin P, Castillo O, Ramírez EG, Kacprzyk J, Pedrycz W (Eds.): Analysis and Design of Intelligent Systems Using Soft Computing Techniques, Springer, Advances in Soft Computing vol. 41, pp. 150-159, 2007, ISBN: 978-3-540-72431-5 (Springer, Scopus)	D	Capitol de carte (Springer)	1,00
---	---	-----------------------------	------

Lucrare citată		Autori	Puncte
Szilágyi SM, Benyó Z, Dávid L, Szilágyi L: Adaptive wavelet-transform-based ECG waveforms detection. 25th Annual International Conference of IEEE Engineering in Medicine and Biology Society, Cancún (Mexico) 2412-2415 (2003), ISBN: 0-7803-7789-3.		4	9,50
Lucrare care citează		Justificare	Puncte
Mazomenos EB, Biswas D, Acharyya A, Chen T, Maharatna K, Rosengarten J, Morgan J, Curzen N: A low-complexity ECG feature extractor algorithm for mobile healthcare applications. IEEE J Biomedical and Health Informatics 17(2):459-469, 2013, ISSN 1089-7771	B	Lista jurnale 2014 (IEEE Trans Information Technology in Biomedicine)	2,00
Kim TS, Min CH: ECG based patient recognition model for smart healthcare systems. In: Kim TS, Min CH (Eds): Systems Modeling and Simulation: Theory and Applications. Lecture Notes in Artificial Intelligence, vol. 3398, pp. 159-166, 2005, 978-3-540-24477-6	C	LNCS	1,00
Ghosh D, Midya BL, Koley C, Purkait P: Wavelet Aided SVM Analysis of ECG Signals for Cardiac Abnormality Detection. Annual International Conference IEEE INDICON, pp. 9-13, 2005, 0-7803-9503-4	D	Conferință nelistată (IEEEExplore)	0,50
Wang LC, Chen YQ, Pan M: Development of QRS Detection Technique (Chinese). Space Medicine and Medical Engineering, 19(3):231-234, 2006, ISSN: 1002-0837	D	Jurnal nelistat (Google Scholar)	0,50
Midya BL, Koley C: Pattern Classification of ECG Signals Using Wavelet Aided Self-Organizing Feature Map, In: Soft Computing/Pattern Recognition, Allied Publishers, pp. 267-264, ISBN: 817764632X	D	Capitol de carte (Google Scholar)	0,50
Rizzi M, D'Aloia M, Castagnolo B: ECG-QRS detection method adopting wavelet parallel filter banks. 7th WSEAS International Conference on Wavelet Analysis & Multirate Systems 158-163, 2007, ISBN 978-960-6766-10-7	D	Conferință nelistată (Google Scholar)	0,50
Boutaa M, Berekci-Reguig F, Debbal SMA: ECG signal processing using multiresolution analysis. Journal of Medical Engineering & Technology 32(6), 466-478, 2008, ISSN 0309-1902 (Google Scholar)	C	Conform serviciului web http://78.96.45.251/DanCristea/in dex.html	1,00

Zhou HY, Hou KM: Embedded real-time QRS detection algorithm for pervasive cardiac care system. International Conf on Signal Processing – ICSP, pp. 2150-2153, 2008, ISBN 978-1-4244-2178-7	D	Conferință nelistată (IEEEExplore)	0,50
Zhou HY, Hou KM, Zuo D: Real-time automatic ECG diagnosis method dedicated to pervasive cardiac care. Wireless Sensor Network 1:276-283, 2009, ISSN 1945-3078	D	Jurnal nelistat (Scopus)	0,50
Monte GE, Scarone NC, Liscovsky PO: A novel time-domain signal processing algorithm for real time ventricular fibrillation detection. Journal of Physics: Conference Series (SABI 2011) 332:1-10, 2011, ISSN 1742-6588 (Google Scholar)	D	Conferință nelistată (Google Scholar)	0,50
Rizzi M, D'Aloia M, Castagnolo B: Fast parallelized algorithm for ECG analysis. WSEAS Transactions on Biology and Biomedicine 8(5):210-219, 2008, ISSN 1109-9518	D	Conform serviciului web http://78.96.45.251/DanCristea/index.html	0,50
Jain S, Parsai MP: Comparative Analysis of Various Wavelet Families used for R-Wave Detection of ECG Waveforms. International Journal of Innovative Research in Science, Engineering and Technology 2(10):5177-5181, 2013, ISSN 2319-8753 (Google Scholar)	D	Jurnal nelistat (Google Scholar)	0,50
Gordillo LA, Reyes-Barranca MA, Medina-Santiago A, Hernández H, Pérez-Patricio M: A geometrical preprocessing approach for ECG waveform recognition. Reunión Internacional de Otoño (ROC&C 2013, Acapulco), paper CP-60, pp. 1-6, 2013	D	Conferință nelistată (Google Scholar)	0,50
Matsuyama A: ECG and APG signal analysis during exercise in a hot environment, PhD Thesis, Charles Darwin University, Australia, 2009	D	Teză doctorat (Google Scholar)	0,50

Lucrare citată		Autori	Puncte
Szilágyi L, Benyó Z, Szilágyi SM, Adam HS: MR brain image segmentation using an enhanced fuzzy c-means algorithm. 25th Annual International Conference of IEEE Engineering in Medicine and Biology Society, Cancún (Mexico) 724-726 (2003), ISBN: 0-7803-7789-3.		4	219,00
Lucrare care citează		Categoria	Puncte
Cai WL, Chen SC, Zhang DQ: Fast and robust fuzzy c-means clustering algorithms incorporating local information for image segmentation, Pattern Recognition 40:825-838, 2007, ISSN 0031-3203, IF: 2.632		A	4,00
Krinidis S, Chatzis V: A robust fuzzy local information c-means clustering algorithm. IEEE Transactions on Image Processing 19(5):1328-1337, 2010, ISSN 1057-7149, IF: 3.109		A	4,00

Zhou H, Schaefer G, Sadka A, Celebi ME: Anisotropic mean shift based fuzzy c-means segmentation of dermoscopy images. IEEE J Selected Topics in Signal Processing, Special Issue on Digital Image Processing Techniques for Oncology 3(1):26-34, 2009, ISSN 1932-4553, IF: 3.297	A	Poziția 109, lista jurnale 2013	4,00
Wang ZM, Soh YC, Song Q, Sim K: Adaptive spatial information-theoretic clustering for image segmentation, Pattern Recognition 42(9): 2029-2044, 2009, ISSN 0031-3203, IF: 2.632	A	Poziția 242, lista jurnale 2013	4,00
Di Martino F, Loia V, Sessa S: A segmentation method for images compressed by fuzzy transforms. Fuzzy Sets and Systems 161(1):56-74, 2010, ISSN 0165-3375, IF: 1.749	A	Poziția 95, lista jurnale 2013	4,00
He YY, Yousuf Hussaini M, Ma JW, Shafei B, Steidl G: A new fuzzy c-means method with total variation regularization for segmentation of images with noisy and incomplete data, Pattern Recognition, 45(9):3463-3471, 2012, ISSN 0031-3203, IF: 2.632	A	Poziția 242, lista jurnale 2013	4,00
Gong MG, Liang Y, Shi J, Ma WP, Ma JJ: Fuzzy c-means clustering with local information and kernel metric for image segmentation. IEEE Transactions on Image Processing 22(2):573-584, 2013, ISSN 1057-7149, IF: 3.199	A	Poziția 123, lista jurnale 2013	4,00
Liao L, Lin TS, Li B: MRI brain image segmentation and bias field correction based on fast spatially constrained kernel clustering approach. Pattern Recognition Letters 29:1580-1588, 2008, ISSN 0167-8655, IF: 1.266	A	Poziția 243, lista jurnale 2013	4,00
Ji ZX, Xia Y, Chen Q, Sun QS, Xia DS, Feng DD: Fuzzy c-means clustering with weighted image patch for image segmentation. Applied Soft Computing Journal 12(6):1659-1667, 2012, ISSN 1568-4946, IF: 2.140	A	Poziția 26, lista jurnale 2013	4,00
Feng J, Jiao LC, Zhang XR, Gong MG, Sun T: Robust non-local fuzzy c-means algorithm with edge preservation SAR image segmentation. Signal Processing 93(2):487-499, 2013, ISSN 0165-1684, IF: 1.851	A	Poziția 258, lista jurnale 2013	4,00
Foo JL, Miyano G, Lobe T, Winer E, Three-dimensional segmentation of tumors from CT image data using an adaptive fuzzy system. Computers in Biology and Medicine 62: 869-878, 2009, ISSN 0169-2607, IF: 1.162	B	Poziția 326, lista jurnale 2013	2,00
Benyó B: Identification of dental root canals and their medial line from micro-CT and cone-beam CT records. BioMedical Engineering OnLine 11:81, pp. 1-17, 2012, ISSN 1475-925X, IF: 1.608	B	Conform serviciului web http://78.96.45.251/DanCristea/in dex.html	2,00
Balafar MA: Fuzzy c-mean based brain MRI segmentation algorithms. Artificial Intelligence Review 41:441-449, 2014, 0269-2821, IF: 1.565	B	Poziția 294, lista jurnale 2013	2,00

Yang DD, Wang L, Hei XH, Gong MG: An efficient automatic SAR image segmentation framework in AIS using kernel clustering index and histogram statistics. Applied Soft Computing Journal 16:63-79, 2014, ISSN 1568-4946, IF: 2.140	A	Poziția 26, lista jurnale 2013	4,00
Zhao F: Fuzzy clustering algorithms with self-tuning non-local spatial information for image segmentation, Neurocomputing 106:115-125, 2013, ISSN 0925-2312, IF: 1.634	A	Poziția 234, lista jurnale 2013	4,00
Wen P, Zhou J, Zheng L: A modified hybrid method of spatial credibilistic clustering and particle swarm optimization. Soft Computing 15(5):855-865, 2011, 1432-7643, IF: 1.124	A	Poziția 260, lista jurnale 2013	4,00
He LH, Wen Y, Wang M: Multi-channel Features based Automated Segmentation of Diffusion Tensor Imaging using An Improved FCM with Spatial Constraints. Neurocomputing 137:107-117, 2014, ISSN 0925-2312, IF: 1.634	A	Poziția 234, lista jurnale 2013	4,00
Li XH, Zhang T, Qu Z: Image segmentation using fuzzy clustering with spatial constraints based on Markov random field via Bayesian theory. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences E91-A(3):723-729, 2008, ISSN 0916-8508, IF: 0.240	C	Poziția 668, lista jurnale 2013	1,00
Alia OM, Mandava R, Aziz ME: A hybrid harmony search algorithm for MRI brain segmentation. Evolutionary Intelligence 4(1):31-49, 2011, ISSN 1864-5909	B	Poziția 353, lista jurnale 2013	2,00
Bong CW, Rajeswari M: Multiobjective clustering with metaheuristic: current trends and methods in image segmentation. IET Image Processing 6(1):1-10, 2012, ISSN 1751-9659, IF: 0.90	C	Poziția 672, lista jurnale 2013	1,00
Zhang XF, Zhang CM, Zou HL, Zhang CH: One improved FCM for image segmentation based on pixel relevance. Advanced Science Letters 10(1):539-543, 2012, ISSN 1936-6612, IF: 1.253	C	Poziția 553, lista jurnale 2013	1,00
Srivastava A, Asati A, Kumar S, Sharma Y, Bhattacharya M: Hybrid soft computing model for lesion identification and information combination: some case studies. Int'l Journal of Data Mining and Bioinformatics 6(3):335-353, 2012, ISSN 1748-5673, IF: 0.39	C	Poziția 740, lista jurnale 2013	1,00
Schaefer G, Zhou H: Fuzzy clustering for color reduction in images. Telecommunication Systems 40:17-25, 2009, ISSN 1018-4864, IF: 1.027	B	Conform serviciului web http://78.96.45.251/DanCristea/in dex.html	2,00
Balafar MA: Spatial based Expectation Maximizing (EM). Diagnostic Pathology 6:103, 2011, ISSN 1746-1596, IF: 1.850	C	Conform serviciului web http://78.96.45.251/DanCristea/in dex.html	1,00
Gordillo N, Montseny E, Sobrevilla P: State of the art survey on MRI brain tumor segmentation, Magnetic Resonance Imaging 31(8):1426-1438, 2013, ISSN 0730-725X, IF: 2.060	A	Conform serviciului web http://78.96.45.251/DanCristea/in dex.html	4,00

Zhao F, Fan JL, Liu HQ: Optimal-selection-based suppressed fuzzy c-means clustering algorithm with self-tuning non local spatial information for image segmentation. Expert Systems with Applications 41(9):4083-4093, 2014, ISSN: 0957-4174, IF: 1.854	A	Poziția 85, lista jurnale 2013	4,00
Benaichouche AN, Oulhadj H, Siarry P: Improved spatial fuzzy c-means clustering for image segmentation using PSO initialization, Mahalanobis distance and post-segmentation correction. Digital Signal Processing 23(5):1390-1400, 2013, 1051-2004, IF: 1.918	B	Poziția 338, lista jurnale 2013	2,00
Rastgarpour M, Shanbehzadeh J: A new kernel-based fuzzy level set method for automated segmentation of medical images in the presence of intensity inhomogeneity. Computational and Mathematical Methods in Medicine, art. ID 978373, pp. 1-14, 2014, 1748-670X, IF: 0.791	D	Conform serviciului web http://78.96.45.251/DanCristea/in dex.html	0,50
Zhao ZX, Cheng LZ, Cheng GQ: Neighbourhood weighted fuzzy c-means clustering algorithm for image segmentation. IET Image Processing 8(3):150-161, 2014, 1751-9659, IF: 0.90	C	Poziția 672, lista jurnale 2013	1,00
Ji J, Wang KL: A robust nonlocal fuzzy clustering algorithm with between-cluster separation measure for SAR image segmentation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing. DOI: 10.1109/JSTARS.2014.2308531, ISSN 1939-1404, IF: 2.874	B	Conform serviciului web http://78.96.45.251/DanCristea/in dex.html	2,00
Wen P, Zhou J, Zheng L: Hybrid methods of spatial credibilistic clustering and particle swarm optimization in high noise image segmentation. International Journal on Fuzzy Systems 10(3) 174-184, 2008, ISSN 1562-2479, IF: 1.51	B	Poziția 402, lista jurnale 2013	2,00
Schaefer G: Soft computing-based colour quantization. EURASIP Journal on Image and Video Processing 2014(8):1-9, 2014, ISSN 1687-5281, IF: 0.570	C	Conform serviciului web http://78.96.45.251/DanCristea/in dex.html	1,00
Wang ZM, Song Q, Soh YC, Sim K: An adaptive spatial information-theoretic fuzzy clustering algorithm for image segmentation. Computer Vision and Image Understanding 117:1412-1420, 2013, ISSN 1077-3142, IF: 1.232	A	Poziția 57, lista jurnale 2013	4,00
Zhao F, Jiao L, Liu H: Fuzzy c-means clustering with non local spatial information for noisy image segmentation. Frontiers of Computer Science in China 5(1):45-56 (2011), ISSN 1673-7350 (Springer), IF: 0.298	C	Poziția 651, lista jurnale 2013	1,00
Venu N, Anuradha B: PENR based fuzzy clustering algorithms for medical image segmentation. International Journal of Image Processing and Visual Communication (IJIP) 2(2):1-7, 2013, ISSN 2319-1724 (Scopus)	D	Jurnal nelistat (Google Scholar, Scopus)	0,50
Tang WJ, Zhang CM, Zhang XF, Liu CJ: Medical image segmentation based on improved FCM. Journal of Computational Information Systems 8(2):887-894, 2012, ISSN 1553-9105 (Scopus)	C	Poziția 862, lista jurnale 2013	1,00

Sun YJ, Zhang XF, Ma YP, Wang ZF: Improved FCM schema for unsupervised ROI segmentation. Journal of Computational Information Systems 8(9):3671-3678, 2012, ISSN 1553-9105 (Scopus)	C	Poziția 862, lista jurnale 2013	1,00
Moussaoui A, Benmahammed K, Frahta N, Chen V: A new MR brain image segmentation using an optimal semi-supervised fuzzy c-means and pdf estimation. Electronic Letters on Computer Vision and Image Analysis 5(4): 1-11, 2005, 1577-5097	D	Poziția 1140, lista jurnale 2013	0,50
Yuan KH, Wu LW, Cheng QS, Bao SL, Chen C, Zhang HJ: A novel fuzzy c-means algorithm and its application. Int'l Journal of Pattern Recognition and Artificial Intelligence 19(8):1059-1066, 2005, ISSN 0218-0014 (Google Scholar)	B	Poziția 414, lista jurnale 2013	2,00
Schaefer G: Intelligent approaches to colour palette design. In: Kwasnicka H, Jain LC (eds): Innovations in intelligent image analysis. Studies in Computational Intelligence 339:275-289 (2011) ISBN 978-3-642-17933-4	D	Capitol de carte (Springer)	0,50
Zhou H, Wang X, Schaefer G: Mean shift and its application in image segmentation. In: Kwasnicka H, Jain LC (eds): Innovations in intelligent image analysis. Studies in computational intelligence 339:291-312 (2011) ISBN 978-3-642-17933-4 (Springer)	D	Capitol de carte (Springer)	0,50
Zhou H, Schaefer G: An overview of fuzzy c-means based image clustering algorithms. In: Hassanién AE, Abraham A, Herrera F (eds): Foundations of Computational Intelligence. Vol. 2, pp. 295-310, ISBN 978-3-642-01532-8 (Springer)	D	Capitol de carte (Springer)	0,50
Schaefer G, Zhou H: Fuzzy approaches for color image palette selection. In: Mehnén J, Köppen M, Saad A, Tiwari A (eds): Applications of Soft Computing. Advances in Intelligent and Soft Computing 58:473-482, ISSN 1867-5662 (Springer)	D	Capitol de carte (Springer)	0,50
Zhou H, Schaefer G, Shi C: Fuzzy C-means techniques for medical image segmentation. In: Jin Y, Wang L (eds): Fuzzy Systems in Bioinformatics and Computational Biology. Studies in Fuzziness and Soft Computing 242:257-271, 2009, ISBN 978-3-540-89967-9 (Springer)	D	Capitol de carte (Springer)	0,50
Zhou H: Fuzzy C-Means and Its Applications in Medical Imaging. In: Schaefer G, Hassanién AE, Jiang J: Computational intelligence in medical imaging. Techniques and Applications. CRC Press, pp. 213-237, 2009, ISBN 9781420060591 (Google Scholar)	D	Capitol de carte (Google Scholar)	0,50
Zhou H, Schaefer G: Fuzzy c-means variants for medical image segmentation. International Journal of Tomography and Statistics 13:3-18, 2010, ISSN 0973-7294 (Google Scholar)	C	Poziția 818, lista jurnale 2013	1,00
Zhou H, Schaefer G, Shi C: A mean shift based fuzzy c-means algorithm for image segmentation. 30th Annual International Conference of IEEE EMBS, pp. 3091-3094, 2008, ISBN 978-1-4244-1814-5 (IEEEExplore)	A	poziția 53, lista conferințe 2013	4,00

Wang Q, Li H, Gong MG, Su LZ, Jiao LC: A multiobjective optimization method based on MOEA/D and fuzzy clustering for change detection in SAR images. IEEE Congress on Evolutionary Computation (IEEE CEC 2014, Beijing), pp. 3024-3029, 2014 ISBN: 978-1-4799-1488-3	A	poziția 125, lista conferințe 2013	4,00
Zhou H, Schaefer G, Sadka A, Celebi ME: Anisotropic mean shift based fuzzy c-means segmentation of skin lesions. 5th International Conference on Soft Computing as Transdisciplinary Science and Technology (Cergy-Pontoise, FR), pp. 438-443, 2008, ISBN 978-1-60558-046-3	D	Conferință nelistată (Google Scholar)	0,50
Wang SL, Xu Y, Pang YJ: A fast underwater optical image segmentation algorithm based on a histogram weighted fuzzy c-means improved by PSO. Journal of Marine Science and Application 10(1):70-75, 2011, ISSN 1671-9433 (Springer)	C	Conform serviciului web http://78.96.45.251/DanCristea/in dex.html	1,00
Wang SL, Xu YR, Wan L, Tang XD: Fast fuzzy c-means algorithm based on entropy constraining for underwater image segmentation (Chinese). Computer Science 37(12):243-247, 2010 (Scopus)	D	Jurnal nelistat (Scopus)	0,50
Wang S, Xu Y, Wan L: An interval fuzzy C-means algorithm based on edge gradient for underwater optical image segmentation. In: Lin S, Huang X (eds): Advances in Computer Science, Environment, Ecoinformatics, and Education. Communications in Computer and Information Science 214(1):276-283, 2011, 978-3-642-23320-3 (Springer)	D	Capitol de carte (Springer)	0,50
Wang SL, Xu YR, Wan L, Tang XD: Marine Images Segmentation Using Adaptive Fuzzy c-Means Algorithm Based on Spatial Neighborhood. 3rd Pacific-Asia Conference on Circuits, Communications and System (PACCS) pp. 1-6, 2011, ISBN 978-1-4577-0855-8	D	Conferință nelistată (IEEEExplore)	0,50
Wang SL, Wan L, Tang XD: A modified fast fuzzy c-means algorithm based on spatial information for underwater image segmentation. Int'l Conference on Computer Design and Applications (ICDDA), 2010, vol. 1., pp. 524-528, ISBN: 978-1-4244-7164-5 (IEEEExplore)	D	Conferință nelistată (IEEEExplore)	0,50
Wang SL, Wan L, Tang XD: An improved fuzzy c-means algorithm based on gray-scale histogram for underwater image segmentation. 29th Chinese Control Conference, CCC 2010, pp. 2778-2783, ISBN: 978-789463104-6 (IEEEExplore)	D	Conferință nelistată (IEEEExplore)	0,50
Wang ZM, Song Q, Soh YC, Sim K: A robust information fuzzy clustering algorithm for medical image segmentation. Proc. IEEE International Conference on Granular Computing (GrC), pp. 509-514, 2010, ISBN 978-1-4244-7964-1 (IEEEExplore)	C	poziția 275, lista conferințe 2013	1,00
Wang ZM, Song Q, Soh YC, Sim K: Improved adaptive spatial information clustering for image segmentation. In: Bebis G, et al (Eds): Advances in Visual Computing. Lecture Notes in Computer Science, vol. 5358, pp. 308-317, 2008, ISSN 0302-9743 (Springer, Scopus)	C	LNCS poziția 639, lista conferințe 2013	1,00

Liu G, Ge W, Zhang C: A fuzzy clustering method for image segmentation based on hidden markov random field models. <i>International Journal of Digital Content Technology and its Applications</i> 6(21):347-356, 2012, ISSN 1975-9339 (Scopus)	C	Poziția 742, lista jurnale 2013	1,00
Liu GY, Zhong L, Wang AM. A robust FCM image segmentation algorithm based on MRFs (Chinese). <i>Computer Engineering & Science</i> 34(10):108-112, 2012, 1007-130X (Scopus)	D	Jurnal nelistat (Scopus)	0,50
Liu HQ, Zhao F: An adaptive non local spatial fuzzy image segmentation algorithm. In: Huang DS, Jiang CJ, Bevilacqua V, Figueroa JC: <i>Intelligent Computing Technology. Lecture Notes in Computer Science</i> , vol. 7389, pp. 373-378, 2012 (Springer, Scopus)	C	LNCS	1,00
Liu JW, Liu RR: An advanced FCM algorithm using main hue. <i>Symposium on Photonics and Optoelectronics (SOPO 2012, Shanghai)</i> , pp. 1-4, 2012, ISBN: 978-1-4577-0909-8	D	Conferință nelistată (IEEEExplore)	0,50
Liu Q, Zhuang JJ: A generalized thresholding algorithm of pedestrian segmentation for far-infrared images. <i>IEEE International Conference on Imaging Systems and Techniques (IST)</i> , pp. 338-343, 2012, ISBN 978-1-4577-1776-5	D	Conferință nelistată (IEEEExplore)	0,50
Liu GQ, Zhou ZH, Xie SL: Regularized fuzzy clustering for fast image segmentation. <i>International Conference on Information Science and Technology (ICIST)</i> , pp. 1164-1167, 2013, ISBN 978-1-4673-5137-9	D	Conferință nelistată (IEEEExplore)	0,50
Zhang W, Kang J: A fast kernel-induced fuzzy C-means algorithm and its application to segmentation of microscopic image of harmful algae. <i>Journal of Applied Science</i> 13(13):2574-2578, 2013, ISBN 1812-5654 (Scopus)	D	Conform serviciului web http://78.96.45.251/DanCristea/in dex.html	0,50
Zhang XF, Zhang CM, Pang S, Tang WJ: One stratified FCM for medical image segmentation. <i>Journal of Information and Computational Science</i> 8(15):3637-3645, 2011, ISSN 1548-7741 (Scopus)	C	Poziția 898, lista jurnale 2013	1,00
Zhang XF, Zhang CM, Tang WJ, Wei ZW: Medical image segmentation using improved FCM. <i>Science China Information Science</i> 55(5):1052-1061, 2012, 1674-733X	D	Jurnal nelistat (Springer)	0,50
Zhang CQ, Liu H, Lei Y: A method of image segmentation based on rough sets and FCM. <i>Journal of Jiangxi University of Science and Technology</i> . 32(1):60-65 (2011), ISSN: 1007-1229	D	Jurnal nelistat (Scopus)	0,50
Zhang CQ, Sheng LJ, Zou WC: Robust image segmentation algorithm based on rough sets and fuzzy c-means. <i>International Symposium on Information Science and Engineering (ISISE 2010, Shanghai)</i> , pp. 481-484, 2010, ISBN 978-1-61284-428-2	D	Conferință nelistată (IEEEExplore)	0,50
Zhang W, Li C, Zhang YZ: A new hybrid algorithm form image segmentation based on rough sets and enhanced fuzzy c-means clustering. <i>IEEE Int'l Conference on Automation and Logistics (ICAL)</i> , pp. 1212-1216, 2009, ISBN 978-1-4244-4794-7	D	Conferință nelistată (IEEEExplore)	0,50

Zhang Y, Wang CH, Xiao BH, Shi CZ: A new text extraction method incorporating local information. International Conference on Frontiers in Handwriting Recognition (ICFHR), pp. 252-255, 2012, ISBN 978-1-4673-2262-1 (IEEEExplore)	B	poziția 280, lista conferințe 2013	2,00
Balafar MA, Ramli AR, Mashohor S: Edge-preserving clustering algorithms and their application for MRI image segmentation. Proc. Int'l MultiConference of Engineers and Computer Scientists (IMECS 2010), Hong Kong, Vol. 1, pp. 103-105, ISBN: 978-988-17012-8-2	D	Conferință nelistată (Google Scholar)	0,50
Balafar MA, Ramli AR, Mashohor S, Farzan A: Compare different spatial based fuzzy c-means (FCM) extensions for MRI image segmentation. Proc. 2 nd Int'l Conference on Computer and Automation Engineering, ICCAE 2010, art. No. 5451302, pp. 609-611	D	Conferință nelistată (IEEEExplore)	0,50
Chen Z, Zwiggelhaar R: A modified fuzzy c-means algorithm for breast tissue density segmentation in mammograms. IEEE International Conference on Information Technology and Applications in Biomedicine (ITAB) Corfu, pp. 1-4, 2010, ISBN 978-1-4244-6559-0 (IEEEExplore)	D	Conferință nelistată (IEEEExplore)	0,50
El-Sonbaty Y, Youssef SM, Fathalla KM: Enhanced fuzzy-based model for ROI extraction in medical images. In: Kim TH, Adeli H, Ramos C, Kang BH (eds): Signal Processing, Image Processing, and Pattern Recognition. Communications in Computer and Information Science 260:26-35, 2011, ISBN 978-3-642-27182-3 (Springer)	D	Capitol de carte (Springer)	0,50
El-Sonbaty Y, Youssef SM, Fathalla KM: Enhanced fuzzy-based model for ROI extraction in medical images. IEEE Int'l Symposium on Signal Processing and Information Technology (ISSPIT), pp. 299-304, 2011, ISBN 978-1-4673-0752-9 (IEEEExplore)	D	Conferință nelistată (IEEEExplore)	0,50
Kang J, Min L: Image segmentation based on weighted fuzzy c-means clustering accounting for pixel spatial information (Chinese). Journal of Univ. Science & Technology Beijing 30(9):1072-1078, 2008	D	Jurnal nelistat (Google Scholar)	0,50
Kang JY, Gong CL, Zhang WJ: Fingerprint image segmentation using modified fuzzy c-means algorithm. J. Biomedical Science and Engineering, 2:656-660 (2009) ISSN 1937-6871	D	Jurnal nelistat (Google Scholar)	0,50
Kang JY, Zhang WJ: Fingerprint image segmentation using modified fuzzy c-means algorithm. IEEE International Conference on Bioinformatics and Biomedical Engineering (ICBBE), pp. 1910-1913, 2009, ISBN 978-1-4244-2901-1	D	Conferință nelistată (IEEEExplore)	0,50
Li B, Chen WF: MR images segmentation method based on MS-FCM algorithm (Chinese). Computer Engineering, 36(16):198-199+202, 2010, ISSN: 1000-3428	D	Jurnal nelistat (Google Scholar)	0,50
Li B, Chen WF: Non-local denoising fast fuzzy C-means clustering algorithm. Computer Engineering and Applications 45(35):21-23, 2009, ISSN 1002-8331	D	Jurnal nelistat (Scopus)	0,50

Iftikhar MA, Jalil A, Rathore S, Ali A, Hussain M: An extended non-local means algorithm: Application to brain MRI. International Journal of Imaging Systems and Technology 24(4):293-305, 2014, ISSN: 0899-9457, IF: 0.64	C	Poziția 762, lista jurnale 2013	1,00
Venu N, Anuradha B: A Novel Multiple-kernel based Fuzzy c-means Algorithm with Spatial Information for Medical Image Segmentation. International Journal of Image Processing (IJIP) 7(3):286-301, 2013, ISSN 1985-2304	D	Jurnal nelistat (Scopus)	0,50
Venu N, Anuradha B: PSNR based fuzzy clustering algorithms for MRI medical image segmentation. Int'l Journal of Image Processing and Visual Communication 2(2):1-7, 2013, ISSN 2319-1724	D	Jurnal nelistat (Google Scholar)	0,50
Vinodhini B: Survey on clustering algorithms. Int'l Journal of Engineering Science and Innovative Technology (IJESIT) 2(6):226-232, 2013, ISSN 2319-5967	D	Jurnal nelistat (Google Scholar)	0,50
AbouSora H, Ghoniemy S, Banwan SA, Zanaty EA, Affi A: Improved fuzzy possibilistic c-means (IFPCM) algorithms for magnetic resonance images segmentation. Journal of Global Research in Computer Science 4(1):1-8, 2013, ISSN 2229-371X	D	Jurnal nelistat (Google Scholar)	0,50
Alia OM, Mandava R, Aziz ME: A hybrid harmony search algorithm to MRI brain segmentation. 9th IEEE International Conference on Cognitive Informatics, ICCI 2010, pp. 712-719, ISBN 978-142448040-1	C	poziția 266, lista conferințe 2013	1,00
Cai WL, Chen SC, Lei L: A fuzzy clustering algorithm for image segmentation using dependable neighbor pixels. Proceedings of the 2009 Chinese Conference on Pattern Recognition, CCPR 2009, and the 1st CJK Joint Workshop on Pattern Recognition, CJKPR 2009, pp. 840-844, ISBN 978-1-4244-4199-0	D	Conferință nelistată (IEEEExplore)	0,50
Chen Q, Ji Z, Sun Q, Xia D: Homogeneous patch based FCM algorithm for brain MR image segmentation. Proceedings of the 2009 Chinese Conference on Pattern Recognition, CCPR 2009, and the 1st CJK Joint Workshop on Pattern Recognition, CJKPR 2009, pp. 593-597, ISBN 978-1-4244-4199-0	D	Conferință nelistată (IEEEExplore)	0,50
Cui ZH, Zhang P, Li HJ, Gao LQ: Enhanced FCM algorithm combined with structure feature for image segmentation. Journal of Northeastern University (Natural Science), 34(7):922-926, 2013, ISSN 1005-3026	D	Jurnal nelistat (Google Scholar, Scopus)	0,50
Dixit R, Jain A: FCM_S1 and FCM_S2 algorithms for medical image segmentation under different noise conditions. International Journal of Computer Science and Electrical Engineering (IJCSSEE) 1(2):51-55, 2012, ISSN 2315-4209 (Google Scholar)	D	Jurnal nelistat (Google Scholar)	0,50

El-Melegy M, Mokhtar H: Incorporating prior information in the fuzzy c-means algorithm with application to brain tissues in MRI. 16 th IEEE International Conference on Image Processing (ICIP) Cairo, pp. 3357-3360 (2009), ISBN 978-1-4244-5653-6 (IEEEExplore)	B	poziția 174, lista conferințe 2013	2,00
Fazli S, Ghiri SF: Robust fuzzy c-means clustering with spatial information for segmentation of brain magnetic resonance images. International Journal of Science and Engineering Investigations 2(12):100-105, 2013, ISSN 2251-8843	D	Jurnal nelistat (Google Scholar)	0,50
Huang X, Li B, Feng QJ: Segmentation of multiple sclerosis lesions in brain magnetic resonance images with modified fuzzy C-means algorithm. Journal of Clinical Rehabilitative Tissue Engineering Research 15(13):2408-2411, 2011, ISSN 1673-8225 (Scopus)	D	Conform serviciului web http://78.96.45.25/DanCristea/in dex.html	0,50
Javed A, Wang YC, Kaluthramaiyer N: Segmentation of brain MR images with directional weighted optimized fuzzy c-means clustering. International Conference on Information Technology in Asia (CITA), pp. 1-7, 2013, ISBN 9781479910915 (IEEEExplore)	D	Conferință nelistată (IEEEExplore)	0,50
Jayachitra S, Mary Shyla E: A survey on fuzzy c-means clustering algorithm for image segmentation. Artificial Intelligence Systems and Machine Learning 5(12):509-514, 2013, ISSN 0974-9543	D	Jurnal nelistat (Google Scholar)	0,50
Ji Z, Chen Q, Sun Q, Xia D: Image segmentation with anisotropic weighted fuzzy C-means clustering. Journal of Computer-Aided Design and Computer Graphics (Chinese), 21(10):1451-1459+1466, ISSN: 1003-9775, 2009	D	Jurnal nelistat (Google Scholar)	0,50
Kouhi A, Seyedarabu H, Aghagolzadeh A: A modified FCM algorithm for MRI brain image segmentation. 7 th Iranian Conference on Machine Vision and Image Processing, MVIP 2011, pp. 25-29, ISBN 978-1-4577-1533-4 (IEEEExplore)	D	Conferință nelistată (IEEEExplore)	0,50
Lai YS, Ma TM, Tian JW: Fast multi-threshold fuzzy c-means image segmentation based on histogram correlation constraints. Computer Engineering & Science 33(4):102-106, 2011, ISSN 1007-130X (Google Scholar)	D	Jurnal nelistat (Google Scholar)	0,50
Le Capitaine H, Frélicot C: A fast fuzzy c-means algorithm for color image segmentation. EUFLAT-LFA 2011 Aix-les-Bains, France, pp. 1074-1081, 2011 (Google Scholar)	D	Conferință nelistată (Google Scholar)	0,50
Liao L, Lin TS: A fast spatial constrained fuzzy kernel clustering algorithm for MRI brain image segmentation, International Conference on Wavelet Analysis and Pattern Recognition (ICWAPR'07), pp. 82-87, 2007, ISBN 978-1-4244-1065-1 (IEEEExplore)	D	Conferință nelistată (IEEEExplore)	0,50
Liao L, Zhang Y: MRI image segmentation based on fast kernel clustering analysis. Frontiers of Electrical and Electronic Engineering in China 6(2):363-373, 2011, ISSN 1673-3460 (Springer)	C	Conform serviciului web http://78.96.45.25/DanCristea/in dex.html	1,00

Lin YZ, Hao G, Gu JK: Improved FCM algorithm using difference of neighborhood information. Journal of Computer Applications 31(2):375-378, 2011, ISSN 1001-9081 (Google Scholar)	D	Jurnal nelistat (Google Scholar)	0,50
Liu F: The new image segmentation algorithm using adaptive evolutionary programming and fuzzy C-means clustering. Proc SPIE – The International Society for Optical Engineering vol. 8056, art. No. 80560Y, 2011, DOI:10.1117/12.883642 (Google Scholar)	D	Conferință nelistată (Google Scholar)	0,50
Ma JJ, Tian DY, Gong MG, Jiao LC: Fuzzy clustering with non-local information for image segmentation. International Journal of Learning and Cybernetics, available online January 8, 2014, DOI 10.1007/s13042-014-0227-3, 2014, ISSN 1868-8071 (Springer)	D	Jurnal nelistat (Springer)	0,50
Mekapothula SK, Kumar VJ: An efficient algorithm for segmentation using fuzzy local information c-means clustering. International Journal of Scientific & Engineering Research 2(12):1-7, 2011, ISSN 2229-5518 (Google Scholar)	D	Jurnal nelistat (Google Scholar)	0,50
Moussaoui A, Frahta N: Algorithmes Neuro-Floous de Segmentation d'Images IRM, 4th International Conference on Computer Integrated Manufacturing CIP'2007, pp. 1-6	D	Conferință nelistată (Google Scholar)	0,50
Naz S, Majeed H, Irshad H: Image segmentation using fuzzy clustering: a survey. 6th International Conference on Emerging Technologies, ICET 2010, pp. 181-186, 2010, ISBN 978-1-4244-8057-9 (IEEEExplore)	D	Conferință nelistată (IEEEExplore)	0,50
Nguyen TM, Wu QMJ: A Fuzzy C-Means Based Spatial Pixel and Membership Relationships for Image Segmentation. Canadian Conference on Computer and Robot Vision (CRV) pp. 278-284, 2011, ISBN 978-1-61284-430-5 (IEEEExplore)	C	poziția 117, lista conferințe 2013	1,00
Pan W, Fu J, Wang XF, Hao CY: An automatic classification weighted fuzzy c-means image segmentation algorithm (Chinese). Periodical of Ocean University of China, 37(3):485-488, 2007, ISSN 1672-5174	D	Jurnal nelistat (Google Scholar)	0,50
Pan W, Jia JH, Hao CY: Weighed-FCM image segmentation algorithm combined with Gibbs random field (Chinese). Electronic Measurement Technology 30:190-192, 2007, ISSN 1002-7300	D	Jurnal nelistat (Google Scholar)	0,50
Pourreza H, Ghazikhani M: Evaluating fuzzy c-means with spatial constraints algorithms for vessel detection in retinal image (Persian). IKT'07 – Information and Knowledge Technology Mashad (Iran) pp. 1-5, 2007	D	Conferință nelistată (Google Scholar)	0,50
Rajeswari M, Wei BC, Yeow LS: Spatial Multiple Criteria Fuzzy Clustering for Image Segmentation. Second International Conference on Computational Intelligence, Modelling and Simulation, CIMSIM 2010, pp.305-310, 2010, ISBN 978-1-4244-8652-6 (IEEEExplore)	D	Conferință nelistată (IEEEExplore)	0,50

Sivasangareswari P, Kumar KS: Fuzzy c-means clustering with local information and kernel metric for image segmentation. International Journal of Advanced Research in Computer Science & Technology 2(1):95-99, 2014, ISSN 2347-9817 (Scopus)	D	Jurnal nelistat (Scopus)	0,50
Srivastava A, Asati A, Bhattacharya M: A fast and noise-adaptive rough-fuzzy hybrid algorithm for medical image segmentation. IEEE International Conference on Bioinformatics and Biomedicine (BIBM 2010), pp. 416-421 (2010) ISBN: 978-142448307-5 (IEEEExplore)	D	Conferință nelistată (IEEEExplore)	0,50
Suganthi D: Modified fuzzy c-means algorithm and its application. Oriental Journal of Computer Science and Technology 4(2):423-427, 2011, ISSN 0974-6471 (Google Scholar)	D	Jurnal nelistat (Google Scholar)	0,50
Tian JW, Huang YX, Yu YL: A fast FCM cluster multi-threshold image segmentation algorithm based on entropy constraint (Chinese). Pattern Recognition and Artificial Intelligence 21:221-226, 2008, ISSN 1003-6059 (Google Scholar)	D	Jurnal nelistat (Google Scholar, Scopus)	0,50
Tian JW, Wu QE, Huang YX, Wang T: Target recognition by Fast Optimal Fuzzy C-Means image segmentation. International Journal of Signal and Imaging Systems Engineering 4(2):79-95, 2011, ISSN 1748-0698 (Google Scholar)	D	Jurnal nelistat (Google Scholar)	0,50
Tsai MJ, Chang HS: A color differentiated fuzzy c-means (CDFCM) based image segmentation algorithm. IEEE Conference on Visual Communications and Image Processing (VCIP), pp. 1-5, 2012, ISBN 978-1-4673-4405-0 (IEEEExplore)	B	poziția 448, lista conferințe 2013	2,00
Wang ZB, Lu RH: A new algorithm for image segmentation based on fast fuzzy c-means clustering. International Conf on Computer Science and Software Engineering (CSSE 2008). Vol. 6, pp. 14-17, 2008, 978-0-7695-3336-0 (IEEEExplore)	D	Conferință nelistată (IEEEExplore)	0,50
Wen P, Zhou J, Zheng L, Chen X, Anderson B: Hybrid method of spatial credibilistic clustering and particle swarm optimization: Discussion and application. 6th International Conference on Fuzzy Systems and Knowledge Discovery, FSKD 2009, Volume 3, pp 423-427, 2009, ISBN 978-0-7695-3735-1 (IEEEExplore)	C	poziția 463, lista conferințe 2013	1,00
Wen P, Zhou J, Zheng L: Hybrid methods of spatial credibilistic clustering and particle swarm optimization in high noise image segmentation. International Journal of Fuzzy Systems 10(3) 174-184 (2008), ISSN 1562-2479 (Google Scholar)	B	Lista jurnale 2014	2,00
Rastgarpour M, Shanbehzadeh J, Soltanian-Zadeh H: A Hybrid Method Based on Fuzzy Clustering and Local Region-Based Level Set for Segmentation of Inhomogeneous Medical Images. Journal of Medical Systems, Springer, 38:68, 2014	D	Jurnal nelistat (Google scholar)	0,50
Weng W, Zhao S: Improved weighted fuzzy clustering algorithm for image segmentation. Computer Engineering and Application, 46(33):182-184, 2010, ISSN 1002-8331	D	Jurnal nelistat (Google Scholar)	0,50

Xuan SB, Liu YG, You ZS: Fisher fuzzy c-means clustering algorithm for MRI brain image segmentation with edges protection. Journal of Information and Computational Science 7(13):2771-2779, 2010, ISSN 1548-7741 (Scopus)	C	Poziția 898, lista jurnale 2013	1,00
Yuan MK, Chen LP, Wang JQ, Zhao SG: S-function based novel fuzzy clustering algorithm for image segmentation. 8th International Conference on Fuzzy Systems and Knowledge Discovery (FSKD 2011, Shanghai) pp. 1643-1646, 2011, ISBN 978-1-61284-180-9 (IEEEExplore)	C	poziția 463, lista conferințe 2013	1,00
Zhao F, Fan JL: Selection-suppressed non-local spatial FCM image segmentation method. Application Research of Computers 29(7):2737-2740, 2012, ISSN 1001-3695 (Google Scholar)	D	Jurnal nelistat (Google Scholar)	0,50
Zhao F, Liu HQ, Fan JL: A multiobjective fuzzy clustering algorithm based on robust local spatial information for image segmentation. In: Sun CY, Fang F, Zhou ZH, Yang WK, Liu ZY (eds): Intelligence Science and Big Data Engineering. Lecture Notes in Computer Science 8261:505-512, 2013, 0302-9743 (Springer)	C	LNCS	1,00
Zheng FH, Zhang CM, Zhang XF, Liu Y: A fast anti-noise fuzzy c-means algorithm for image segmentation. International Congerence on Image Processing (ICIP), 2728-2732, 2013, DOI: 10.1109/ICIP.2013.6738562 (IEEEExplore)	B	poziția 174, lista conferințe 2013	2,00
Zhong L, Zhang CM, Zhang XF, Zheng FH: One Framework of Interactive Image Segmentation Based on Improved FCM Algorithm. Journal of Computational Information Systems 8(18):7519-7525, 2012, ISSN 1553-9105 (Scopus)	C	Poziția 862, lista jurnale 2013	1,00
Arun Prabha K, Malini P: An efficient algorithm for clustering of images using fuzzy local information c-means. The International Journal of Computer Science and Applications (TIJCSA) 1(11):39-50, 2013, ISSN 2278-1080 (Google Scholar)	D	Jurnal nelistat (Google Scholar)	0,50
Kharrat A, BenMessaoud M, Abid M: Brain tumour diagnostic segmentation based on optimal texture features and support vector machine classifier. International Journal of Signal and Imaging Systems Engineering 7(2):65-74, 2014, ISSN 1748-0698 (Google Scholar)	C	Conform serviciului web http://78.96.45.251/DanCristea/in dex.html	1,00
Kharrat A, Abid M: Toward efficient segmentation of brain tumors based on support vector machine classifier through optimized RBF kernel parameters and optimal texture features. International Journal of Cognitive Informatics and Natural Intelligence 8(2):15-33, 2015, ISSN 1557-3958	C	Poziția 719, lista jurnale 2013 (Scopus)	1,00
Lai YS, Ma TM, Tian JW: The Application of Fuzzy C Mean Clustering Algorithm on Image Processing Based on .NET Component. Advanced Materials Research 433-440:3536-3542, 2012 (Google Scholar)	D	Jurnal nelistat (Google Scholar)	0,50

Xu SS, Wang YQ, Zhang ZY: Extracting disparity map from bifocal monocular stereo vision in a novel way (Chinese). Journal of Computer Applications 31(2):341-344, 2011, ISSN 1001-9081 (Google Scholar)	D	Jurnal nelistat (Google Scholar)	0,50
Zanaty EA, Alihdali S, Karam M: Improving fuzzy c-means for MRIs segmentation. 26 th International Conference on Computer Applications in Industry and Engineering, CAINE 2013, pp. 211-216, 2013 (Scopus)	D	Conferință nelistată (Scopus)	0,50
Zhang B, Sun T: Histon-based FCM for medical image segmentation. International Journal of Applied Mathematics and Statistics 45(15):317-324, 2013, ISSN 0973-1377 (Google Scholar)	D	Conform serviciului web http://78.96.45-251/DanCristea/in dex.html	0,50
Zhang CQ, Chen L, Zhou SJ: Fusion of Fuzzy Set and FCM for Image Segmentation. Applied Mechanics and Materials 182-183:723-728, 2012 (Google Scholar)	D	Jurnal nelistat (Google Scholar)	0,50
Ding ZJ, Sun J: FCM image segmentation algorithm based on colour space and kernel function (Chinese). Computer Applications and Software 31(2):222-225, 2014, ISSN 1000-386X (Google Scholar)	D	Jurnal nelistat (Google Scholar)	0,50
Gordillo N: Contributions to automatic and unsupervised MRI brain tumor segmentation: a new fuzzy approach. PhD thesis, Universitat Politècnica de Catalunya, 2010	D	Teză doctorat	0,50
Ng TF: Fuzzy feature interaction and weighting in subspace cluster analysis. PhD thesis, Univ. New South Wales, 2012	D	Teză doctorat	0,50
Shalaby MAW: Fingerprint recognition: a histogram analysis based fuzzy c-means multilevel structural approach. PhD Thesis, Concordia University, Montreal, 2012	D	Teză doctorat	0,50
Rastgarpour M, Shanbehzadeh J, Soltanian-Zadeh H: A Hybrid Method Based on Fuzzy Clustering and Local Region-Based Level Set for Segmentation of Inhomogeneous Medical Images. Journal of Medical Systems, Springer, 38:68, 2014	D	Jurnal nelistat (Google scholar)	0,50
Devi PR, Mohan N, Kumar VP, Rao AN: C-means fuzzy local information. Data Mining and Knowledge Engineering 3(16):unknown, ISSN: 0974-9578, 2011	D	Jurnal nelistat (Google scholar)	0,50
Tian XL, Jiao LC, Yi L, Zhang XH: The SAR image segmentation superpixel-based with optimized spatial information. IEEE International Conference on Fuzzy Systems (FUZZ-IEEE 2014, Beijing), pp. 171-177, 2014, ISBN: 978-1-4799-2073-0	A	poziția 133, lista conferințe 2013	4,00
Dhivya A, Anitha D: Detection of tumor region using fast fuzzy clustering algorithm. International Journal of Research in Computer Applications and Robotics (IJRCAR) 2(4):145-149, 2014, ISSN: 2320-7345	D	Jurnal nelistat (Google scholar)	0,50

Alsmadi MK: A hybrid firefly algorithm with fuzzy c-mean algorithm for MRI brain segmentation. American Journal of Applied Sciences 11(9):1676-1691, 2014, ISSN: 1546-9239	D	Conform serviciului web http://78.96.45.251/DanCristea/in dex.html	0,50
Al-Taie A, Hahn HK, Linsen L: Improved bias-corrected fuzzy c-means segmentation of brain MRI data. International Journal of Hybrid Information Technology, 7(3):65-84, 2014, ISSN: 1738-9968 (Google Scholar)	D	Jurnal nelistat (Google scholar)	0,50
Du XX, Zare A, Gader P, Dranishnikov D: Spatial and Spectral Unmixing Using the Beta Compositional Model. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing 7(6). DOI: 10.1109/JSTARS.2014.2330347, ISSN 1939-1404, IF: 2.874	B	Conform serviciului web http://78.96.45.251/DanCristea/in dex.html	2,00
Wang XN, Lin XB, Yuan Z: An Edge Sensing Fuzzy Local Information C-Means Clustering Algorithm for Image Segmentation. In: Huang DS, Jo KH, Wang L (Eds.): Intelligent Computing Methodologies, Springer, LNCS vol. 8589, pp. 230-240 (2014), ISBN: 978-3-319-09338-3.	C	LNCS	1,00
Balafar MA: Fast and robust Gaussian mixture model for MRI brain image segmentation. International Journal on Technical and Physical Problems of Engineering (IJTPE) 5(2):8-14, 2013, ISSN: 2077-3528	D	Jurnal nelistat (Google scholar)	0,50
Fazli S, Ghiri SF: A novel fuzzy c-means clustering with hybrid local and non local spatial information for brain magnetic resonance image segmentation. Journal of Applied Engineering 2(4):40-46, 2014, ISSN 2348-4802	D	Jurnal nelistat (Google Scholar)	0,50
Mouton A: On artefact reduction, segmentation and classification of 3D computed tomography imagery in baggage security screening. PhD thesis, Cranfield University, UK, 2014	D	Teză doctorat	0,50
Verma H, Agrawal RK, Kumar N: Improved fuzzy entropy clustering algorithm for MRI brain image segmentation. International Journal of Imaging Systems and Technology 24(4):277-283, 2014, ISSN: 0899-9457, IF: 0.64	C	Poziția 762, lista jurnale 2013	1,00
Benaichouche AN, Oulhadj H, Siarry P: Multiobjective improved spatial fuzzy c-means clustering for image segmentation combining Pareto-optimal clusters. Journal of Heuristics, available online 5 November 2014, DOI: 10.1007/s10732-014-9267-9, ISSN 1581-1231, IF: 1.359	A	Poziția 191, lista jurnale 2013	4,00
Zhao F, Liu HQ, Fan JL: A multiobjective spatial fuzzy clustering algorithm for image segmentation. Advanced Soft Computing 30:48-57, 2015, ISSN 1568-4946, IF: 2.679	A	Poziția 26, lista jurnale 2013	4,00
Zhou DG, Zhou H: A modified strategy of fuzzy clustering algorithm for image segmentation. Soft Computing, available online 16 October 2014, DOI: 10.1007/s00500-014-1481-8, ISSN 1432-7643, IF: 1.304	A	Poziția 260, lista jurnale 2013	4,00

Truong TX, Kim JM: An enhanced spatial fuzzy c-means algorithm for image segmentation. Journal of the Korea Society of Computer and Information 17(2): 49-57, 2012, ISSN 1598-849X	D	Jurnal nelistat (Google Scholar)	0,50
Zhao ZX, Cheng LZ: Non-local weighted fuzzy c-means for image segmentation. Fuzzy Systems and Mathematics 25(3):154-162, 2011, ISSN 1001-7402	D	Jurnal nelistat (Google Scholar)	0,50
Liu J, Li M, Wang JX, Wu FX, Liu TM, Pan Y: A survey of MRI-based brain tumor segmentation methods. Tsinghua Science and Technology 19(6):578-595, 2014, ISSN: 1007-0214	D	Jurnal nelistat (Google Scholar)	0,50
Liu H, Zhang C, Deng K, Su Z: Research on fast FCM pulmonary nodule segmentation algorithm using improved self-adaption. Journal of Computer-Aided Design and Computer Graphics 26(10):1727-1736, 2014, ISSN: 1003-9775	C	Poziția 841, lista jurnale 2013 (Scopus)	1,00
Xia J, Zhang C, Zhang X, Li X: A novel robust FCM algorithm combining local information on edge for image segmentation. Journal of Computer-Aided Design and Computer Graphics 26(12):2203-2213, 2014, ISSN: 1003-9775	C	Poziția 841, lista jurnale 2013 (Scopus)	1,00
Mazinan AH, Amini A, Kabiriasl A: A generalized automatic hybrid fuzzy-based GA-PSO clustering approach. Majlesi Journal of Electrical Engineering 8(3):41-47, 2014, ISSN: 2345-377X	D	Jurnal nelistat (Google Scholar)	0,50
Xu S, Hu L, Li C, Yang X, Liu XP: An unsupervised color-texture segmentation using two-stage c-means algorithm. Int'l Journal of Pattern Recognition and Artificial Intelligence 28(2):30pages, 2014, ISSN: 0218-0014	B	Poziția 414, lista jurnale 2013	2,00
Zhang XF, Song LH, Lei P: Improvement of FLICM for image segmentation. Journal of Computational Information Sciences 10(21):9429-9436, 2014, ISSN: 1553-9105	C	Poziția 862, lista jurnale 2013	1,00
Zhao XM, Li Y, Zhao QH: Image segmentation by fuzzy clustering algorithm combining hidden Markov random field and Gaussian regression model (Chinese). Journal of Electronics & Information Technology 36(11):2730-2736, 2014, ISSN: 1009-5896	D	Jurnal nelistat (Scopus)	0,50
Venu N, Anuradha B: Two different multi-kernels for fuzzy c-means algorithm for medical image segmentation. International Journal of Engineering Trends and Technology (IJETT) 20(2):77-82, 2015, ISSN 2231-5381	D	Jurnal nelistat (Google Scholar)	0,50
Sánchez Vázquez DT, Ponomaryov V: Image segmentation using fuzzy clustering means techniques. XII Reunión de Otoño de Potencia, Electrónica y Computación (ROPEC 2010), pp. 60-65, 2010, ISBN 978-607-95476-1-5	D	Conferința nelistată (Google Scholar)	0,50

Venu N, Anuradha B: Integration of hyperbolic tangent and Gaussian kernels for Fuzzy C-means algorithm with spatial information for MRI segmentation. Fifth International Conference on Advanced Computing (ICoAC 2013, Chennai, India), pp. 280-285, ISBN: 978-1-4799-3447-8	D	Conferință nelistată (Google Scholar)	0,50
Jia SX, Zhang CM: Fast and robust image segmentation using an superpixel based FCM algorithm. IEEE Int'l Conference on Image Processing (ICIP 2014, Paris), pp. 947-951, 2014	B	poziția 174, lista conferințe 2013	2,00
Li LY, Zhang XF: Utilizing neighbor information in image segmentation. International Conference on Computing, Communication and Networking Technologies (ICCCNT 2014, Hefei), pp. 1-6, 2014, ISBN: 978-1-4799-2695-4	D	Conferință nelistată (Google Scholar)	0,50
Tran DC, Wu ZJ, Tran VH: Fast generalized fuzzy c-means using particle swarm optimization for image segmentation. International Conference on Neural Information Processing (ICONIP 2014, Kuching, Malaysia), LNCS vol. 8835, pp. 263-270, 2014, ISBN: 978-3-319-12639-5	A	poziția 217, lista conferințe 2013	4,00
Venu N: Performance and evaluation of Gaussian kernels for FCM algorithm with mean filtering based denoising for MRI segmentation. International Conference on Communications and Signal Processing (ICCSP 2014, Melmaruvathur, India), pp. 1680-1685, ISBN: 978-1-4799-3357-0	D	Conferință nelistată (Google Scholar)	0,50
Yang SC, Huang SY, Liu XR: An image clustering technology for preserving the consistent color of contour. International Symposium on Computer, Consumer and Control (IS3C 2014, Taichung, Taiwan), pp. 107-110, 2014, ISBN: 978-147995277-9	D	Conferință nelistată (Google Scholar)	0,50
Nandhagopal N: Computer aided diagnosis system for automatic detection of brain tumor through magnetic resonance image. PhD Thesis, Manonmaniam Sundaranar University, India, 2014	D	Teză doctorat (Google Scholar)	0,50
Sánchez Vázquez DT: Diseño e implementación de algoritmos de segmentación basados en lógica difusa con aplicaciones en imágenes biomédicas. MSc thesis, Instituto Politécnico Nacional, México DF, 2010	D	Teză doctorat (Google Scholar)	0,50
Taher A: Approche coopérative et non supervisée de partitionnement d'images hyperspectrales pour l'aide à la décision. PhD thesis, Université Rennes 1, France, 2014	D	Teză doctorat (Google Scholar)	0,50
Yang H, Peng J: Remote sensing classification method based on Markov random field and fuzzy c-means clustering. Acta Geodaetica et Cartographica Sinica 41(2):213-218, 2012, ISSN 1001-1595	D	Jurnal nelistat (Scopus)	0,50
Zhao XM, Li Ym Zhao QH: Mahalanobis distance based on fuzzy clustering algorithm for image segmentation. Digital Signal Processing, doi: 10.1016/j.dsp.2015.04.009, ISSN 1051-2004, IF: 1.918	B	Poziția 338, lista jurnale 2013	2,00

Kharrat A, Abid M: Toward efficient segmentation of brain tumors based on support vector machine classifier through optimized RBF kernel parameters and optimal texture features. International Journal of Cognitive Informatics and Natural Intelligence 8(2):15-33, 2015, ISSN 1557-3958	C	Poziția 719, lista jurnale 2013	1,00
Rajeswari S, Thulasi K, Vijayalakshmi A, Subbalakshmi P: Reformulated fuzzy c-means based image segmentation. International Journal of Advanced Research Trends in Engineering and Technology (IJARTE) pp. 257-262, 2015, ISSN 2394-3777	D	Jurnal nelistat (Google Scholar)	0,50
Zol SH, Deshmukh RR: A comparative study of MRI image segmentation based on fast kernel clustering analysis. International Journal of Computer Applications 110(6):26-29, 2015.	D	Jurnal nelistat (Google Scholar)	0,50
Zhang ZH: Research on image segmentation method combined MMTD and bionic algorithm. Nanjing University of Posts and Telecommunications, 2013.	D	Jurnal nelistat (Google Scholar)	0,50

Lucrare citată		Autori	Puncte
Szilágyi L, Benyó Z, Szilágyi SM: A new method for epileptic waveform recognition using wavelet decomposition and artificial neural networks. 24th Annual International Conference of IEEE Engineering in Medicine and Biology Society, Houston 2025-2026 (2002), ISBN 0-7803-7612-9		3	42,00
Lucrare care citează		Categoria	Puncte
Firpi H, Goodman E, Echaz J: Epileptic seizure detection using genetically programmed artificial feature. IEEE Transactions on Biomedical Engineering 54(2):212-224, 2007, ISSN: 0018-9294, IF: 2.348		B	4,00
Urrestarazu E, Iriarte J: Mathematical analyses in the study of electroencephalo-graphic signals (Análisis matemáticos en el estudio de señales electroencefalograficas), Revista de Neurología, 41(7):423-434, 2005, ISSN 1576-6578, IF: 1.18		D	1,00
Firpi H, Goodman E, Echaz J: Epileptic Seizure Detection by Means of Genetically Programmed Artificial Features, GECCO '05 Genetic and Evolutionary Computation Conference, Washington DC, 2005, pp. 461-466, ISBN: 1-59593-010-8 (Scopus)		A	8,00
Firpi H, Goodman E, Echaz J: On Prediction of Epileptic Seizures by Computing Multiple Genetic Programming Artificial Features. In: Keijzer M. et al (Eds.): Genetic Programming Lecture Notes in Computer Science, vol. 321-330, pp. 3447, pp. 321-330, ISBN: 978-3-540-25436-2 (EUROGP 2005)		B	4,00

Firpi H, Goodman E, Echaz J: Genetic Programming Artificial Features with Applications to Epileptic Seizure Prediction, Proc. 27th Annual International Conference of IEEE EMBS, Shanghai, pp. 4510-4513, 2005, ISBN 0-7803-8741-4 (IEEEExplore)	A	poziția 53, lista conferințe 2013	8,00
Xia MF, Liu JB: Waveform Identification Technology in Intelligent Fault Diagnosis. Electro-Mechanical Engineering, 22(6):49-51+63, 2006, ISSN 1008-5300 (Google Scholar)	D	Jurnal nelistat (Google scholar)	1,00
Ataee P, Avanaki AN, Shariatpanahi HF, Khoei SM: Ranking features of wavelet decomposed EEG based on significance in epileptic seizure detection. 14th European Signal Processing Conference, Florence, 1568982271.pdf, pp. 1-4, EUSIPCO 2006 (Google Scholar)	B	poziția 136, lista conferințe 2013	4,00
Al-Mashakbeh A: Analysis of electroencephalogram to detect epilepsy. International Journal of Academic Research 2(3):63-69, 2010, ISSN 2075-4124 (Google Scholar)	D	Jurnal nelistat (Google scholar)	1,00
More R, Kawitkar RS: Epilepsy disorder detection by EEG signal decomposition using wavelet transform. International Conference & Workshop on Emerging Trends in Technology (ICWET 2011), 1325-1326, 2011, ISBN 978-1-4503-0449-8 (ACM)	D	Conferință nelistată (ACM)	1,00
Orhan U, Gurbuz E: Classifying discrete interval densities of EEG signals by using DWT and SVM. Int Symposium on Innovations in Intelligent Systems and Applications (INISTA), pp. 1-4, 2012, ISBN 978-1-4673-1446-6 (IEEEExplore)	C	poziția 621, lista conferințe 2013	2,00
Kharat PA, Dudul SV: Epilepsy diagnosis based on generalized feed forward neural network. Interdisciplinary Sciences: Computational Life Sciences 4:209-214, 2012, ISSN 1913-2751 (Springer)	D	Conform serviciului web http://78.96.45.251/DanCristea/in dex.html	1,00
Bhople AD, Tijare PA: Fast Fourier transform based classification of epileptic seizure using artificial neural network. Int J of Advanced Research in Computer Science and Software Engineering 2(4):228-261, 2012, ISSN 2277-128X (Google Scholar)	D	Jurnal nelistat (Google scholar)	1,00
Mahdi MTO: A new fast epilepsy detection method using electroencephalogram signal processing. World Applied Sciences Journal 14(8):1119-1124, 2011, ISSN 1818-4952 (Google Scholar)	D	Conform serviciului web http://78.96.45.251/DanCristea/in dex.html	1,00
Kharat PA, Dudul SV: Daubechies wavelet neural network classifier for the diagnosis of epilepsy. WSEAS Transactions on Biology and Biomedicine 9(4):103-113, 2012, ISSN 1109-9518 (Scopus)	D	Conform serviciului web http://78.96.45.251/DanCristea/in dex.html	1,00
Albayrak M: EEG sinyallerindeki epileptiform aktivitenin veri madenciliği süreci ile tespiti (The detection of an epileptiform activity on EEG signals by using data mining process), PhD Thesis, Sakarya Üniversitesi, Fen Bilimleri Enstitüsü, Haziran, 2008.	D	Tezâ doktorat (Google Scholar)	1,00

Parreira FJ, Yamanaka K, Destro-Filho JB, de Sá AA, Uirquiza MA, Bernadino G: Detecção de epilepsia utilizando wavelets, redes neurais e sistema especialista. IV Conferência de Estudos em Engenharia Elétrica (CEEL 2005, Uberlândia), pp. 1-4	D	Conferință nelistată (Google Scholar)	1,00
Zhu S, Cai JY, Du MJ: Test waveform recognition based on Zernike moment and SVM (Chinese). Measurement and Control Technology, 67-71, 2012, ISSN: 1000-8829	D	Jurnal nelistat (Google scholar)	1,00
Flores Vega CH: Reconhecimento de estados cognitivos em sinais EEG. MSc thesis Escola Politécnica da Universidade de São Paulo, 2010	D	Teză MSc nelistat (Google scholar)	1,00

Lucrare citată		Autori	Puncte
Szilágyi L, Benyó Z, Szilágyi SM, Szlávecz Á, Nagy L: On-line QRS complex detection using wavelet filtering. 23rd Annual International Conference of IEEE Engineering in Medicine and Biology Society, Istanbul 1872-1874 (2001), ISBN: 0-7803-7211-5		5	9,66
Lucrare care citează			
Darrington J: Towards real time QRS detection: a fast method using minimum pre-processing, Biomedical Signal Processing and Control, 1:169-176, 2006, ISSN 1746-8094, IF: 1.074	B	Posiția 299, lista jurnale 2013	1,33
Benmalek M, Charef A: Digital fractional order operators for R-wave detection in electrocardiogram signal. IET Signal Processing, 3(5):381-391, 2009, ISSN 1751-9675, IF: 0.71	B	Posiția 372, lista jurnale 2013	1,33
Ладаев ДА: ИСПОЛЬЗОВАНИЕ ВЕЙЛЕТА ДОБЕШИ-2 И АЛГОРИТМА БЕРТА-МАССАРА ПРИ РЕШЕНИИ ЗАДАЧИ ОБНАРУЖЕНИЯ QRS-КОМПЛЕКСОВ ЭКГ-СИГНАЛОВ. Системы управления и информационные технологии 2-1(28):162-166, 2007, ISSN 1729-5068	D	Jurnal nelistat (Google scholar)	0,33
Alexandridi A, Panagoroulos I, Manis G, Papakonstantinou G: R-Peak Detection with Alternative Haar Wavelet Filter, 3rd International Symposium on Signal Processing and Information Technology (ISSPIT), pp. 219-222, 2003, ISBN 0-7803-8292-7	D	Conferință nelistată (IEEEExplore)	0,33
Kher R, Vala D, Pawar T, Thakar VK: Implementation of derivative based QRS complex detection methods, 3rd International Conference on Biomedical Engineering and Informatics, BMEI 2010, vol. 3, pp. 927-931, ISBN: 978-142446496-8 (IEEEExplore)	D	Conferință nelistată (IEEEExplore)	0,33
Wu QL, He AJ: Heart diseases diagnosing system based on AT91SAM9261S. Modern Electronics Technique 33(14), 2010, DOI:10.3969/j.issn.1004-373X.2010.14.010, ISSN 1004-373X	D	Jurnal nelistat (Scopus)	0,33

Anita P, Talele KT: ECG feature extraction using wavelet based derivative approach. In: Shah K, Gorty VRL, Phirke A (eds): Technology Systems and Management. Communications in Computer and Information Science, 145:239-247, 2011, ISBN 978-3-642-20208-7 (Springer)	D	Capitol de carte (Springer)	0,33
Kumar P, Jain M, Chandra S: Low Cost, Low Power QRS Detection Module Using PIC. International Conference on Communication Systems and Network Technologies pp. 414-418, 2011, ISBN 978-1-4577-0543-4 (IEEEExplore)	D	Conferință nelistată (IEEEExplore)	0,33
Tadejko P, Rakowski W: QRS complex detection in noisy Holter ECG based on wavelet singularity analysis, Zeszyty Naukowe Politechniki Białostockiej. Informatyka 6:95-111, 2010, ISSN 1644-0331 (Google Scholar)	D	Jurnal nelistat (Google Scholar)	0,33
Tadejko P, Rakowski W: Singularities Detection System Design for Automatic Analysis of Biomedical Signals and Machine Condition Monitoring and Fault Diagnostics. In: Piotr Lipinski, Konrad Swirski (eds): Towards Modern Collaborative Knowledge Sharing Systems. Studies in Computational Intelligence 401:11-117, 2012 978-3-642-27445-9 (Springer)	D	Capitol de carte (Springer)	0,33
Sakarya C, Arica S: QRS Detection With Wavelet Transform Using A Custom Wavelet (Turkish). ELECO'2012 Bursa, pp. 396-400, 2012	D	Conferință nelistată (Google Scholar)	0,33
Vollmer M: Robust detection of heart beats using dynamic threshold and moving windows. Computers in Cardiology (CINC 2014, Boston), paper 164-33, in press, 2014	A	poziția 75, lista conferințe 2013	2,66
Kelvis Cassiano K: Biblioteca de aplicativos em Java para deteccao de complexos QRS do electrocardiograma. MSc Thesis, COPPE/UFRJ Rio de Janeiro, Brazil, 2010	D	Teză MSc nelistat (Google scholar)	0,33
Duraj A: Algorytm rozpoznawania zespołu QRS w sygnałach elektrokardiograficznych pochodzących od pacjentów z wszczepionym układem stymulującym, PhD Thesis, Uniwersytet Zielonogórski, Wydział Elektrotechniki, Informatyki i Telekomunikacji, Zielona Góra, 2007	D	Teză doctorat (Google scholar)	0,33
Doniec R: Wykorzystanie metod sztucznej inteligencji do regulacji poziomu insuliny w organizmie człowieka. PhD thesis, Gliwice, 2010	D	Teză doctorat (Google scholar)	0,33
Ладаев ДА: Алгоритм обнаружения QRS-комплексов ЭКГ-сигналов на основе вейвлет-преобразования. Артикул: 273849, CSc Thesis, Saransk, Russia, 2007.	D	Teză CSc (Google scholar)	0,33

Lucrare citată			Autori	Puncte
Szilágyi SM, Szilágyi L: Efficient ECG signal compression using adaptive heart model. 23rd Annual International Conference of IEEE Engineering in Medicine and Biology Society, Istanbul 2125-2128 (2001), ISBN: 0-7803-7211-5	Categoria	Justificare	2	1,00
Lucrare care citează				Puncte
Simske SJ, Blakley DR, Zhang T: System for compression of physiological signals, US Patent 7310648	D	Brevet internațional		1,00

Lucrare citată			Autori	Puncte
Szilágyi SM, Szilágyi L: Wavelet transform and neural-network-based adaptive filtering for QRS detection. 22nd Annual International Conference of IEEE Engineering in Medicine and Biology Society, Chicago 1267-1270 (2000), ISBN: 0-7803-6465-1	Categoria	Justificare	2	47,00
Lucrare care citează				Puncte
Mazomenos EB, Biswas D, Acharyya A, Chen T, Maharatna K, Rosengarten J, Morgan J, Curzen N: A low-complexity ECG feature extractor algorithm for mobile healthcare applications. IEEE J Biomedical and Health Informatics 17(2):459-469, 2013, ISSN 1089-7771	B	Lista jurnale 2014 (IEEE Trans Information Technology in Biomedicine)		4,00
Min YJ, Kim HK, Kang YR, Kim GS, Park J, Kim SW: Design of wavelet-based ECG detector for implantable cardiac pacemakers. IEEE Trans Biomedical Circuits and Systems 7(4):426-436, 2013, ISSN: 1932-4545, IF: 2.743	A	Conform serviciului web http://78.96.45.251/DanCristea/in dex.html		8,00
Yu F, Zhao Y, Gu J, Quigley KL, Chi NC, Tai YC, Hsiai TK: Flexible microelectrode arrays to interface epicardial electrical signals with intracardial calcium transients in zebrafish hearts. Biomedical Microdevices 14(2):357-366, 2012, ISSN: 1387-2176, IF: 2.718	A	Conform serviciului web http://78.96.45.251/DanCristea/in dex.html		8,00
Yu F, Huang J, Adlerz K, Jadvar H, Hamdan MH, Chi N, Chen JN, Hsiai TK: Evolving cardiac conduction phenotypes in developing zebrafish larvae: implication to drug sensitivity. Zebrafish 7(4): 325-331 (2010), ISSN 1545-8547, IF: 2.883	C	Conform serviciului web http://78.96.45.251/DanCristea/in dex.html		2,00
Sun P, Zhang Y, Yu F, Parks E, Lyman A, Wu Q, Ai L, Hu CH, Zhou Q, Shung K, Lien CL, Hsiai TK: Micro-electrocardiograms to study post-ventricular amputation of zebrafish heart. Annals of Biomedical Engineering 37(5):890-901, 2009, ISSN 0090-6964, IF: 0090-6964	A	Conform serviciului web http://78.96.45.251/DanCristea/in dex.html		8,00
Eigendi M, Eskoffier B, Dokos S, Abbott D: Revisiting QRS detection methodologies for portable, wearable, battery-operated, and wireless ECG systems. PLoS ONE 9(1): e84018, 2014, ISSN 1932-6203, IF: 3.73	A	Conform serviciului web http://78.96.45.251/DanCristea/in dex.html		8,00

Arumugam SS, Gurusamy G, Gopalasamy S: Wavelet based detection of ventricular arrhythmias with neural network classifier. J. Biomedical Science and Engineering (JBISE), 2:439-444, 2009, ISSN 1937-6871 (Scopus)	D	Jurnal nelistat (Google Scholar)	1,00
Gautam R, Sharma AK: Detection of QRS complexes of ECG recording based on wavelet transform using Matlab. International Journal of Engineering Science and Technology 2(7):3038-3044, 2010, ISSN 0975-5462 (Google Scholar)	D	Jurnal nelistat (Google Scholar)	1,00
Subramanian AS, Gurusamy G, Selvakumar G, Gnanasekar P, Nagappan A: ECG analysis using nature inspires algorithm. World Academy of Science, Engineering and Technology 60:17-21, 2011, ISSN 2010-376X (Google Scholar)	D	Conform serviciului web http://78.96.45.251/DanCristea/in dex.html	1,00
Satheeskumaran S, Sabirigiraj M: A New LMS Based Noise Removal and DWT Based R-peak Detection in ECG Signal for Biotelemetry Applications. National Academy Science Letters 37(4):341-349, 2014, ISSN: 0250-541X	C	Conform serviciului web http://78.96.45.251/DanCristea/in dex.html	2,00
González-Barajas JE: Cálculo del umbral para detección de la onda R del complejo cardiaco. Technológica 17(32):47-55, 2014, ISSN: 0123-7799	D	Jurnal nelistat (Google Scholar)	1,00
Lasanen K: Integrated analogue CMOS circuits and structures for heart rate detectors and other low-voltage, low-power applications, PhD thesis, Oulu, Finland, 2011, ISBN 978-951-42-9454-9	D	Teză doctorat	1,00
Chin FJ: A real-time data mining technique applied for critical ECG rhythm on handheld device. MSc thesis, RMIT University, Melbourne, 2012	D	Teză MSc (Google Scholar)	1,00
Li P, Liu M, Zhang Z, Chen HD: A low-complexity ECG processing algorithm based on the Haar wavelet transform for portable health-care devices. Science China Information Sciences (Springer), 57(12):1-14, 2014, ISSN 1674-1919	D	Jurnal nelistat (Google Scholar)	1,00

Lucrare citată		Autori	Puncte
Szilágyi SM, Szilágyi L, Dávid L: ECG signal compression using adaptive prediction. 19th Annual International Conference of IEEE Engineering in Medicine and Biology Society, Chicago 101-104 (1997)		3	1,00
Lucrare care citează		Justificare	Puncte
Matsuyama A: ECG and APG signal analysis during exercise in a hot environment, PhD Thesis, Charles Darwin University, Australia, 2009		D	1,00

Lucrare citată		Autori	Puncte
Szilágyi SM, Szilágyi L, Dávid L: Comparison between neural-network-based adaptive filtering and wavelet transform for ECG characteristic points detection. 19th Annual International Conference of IEEE Engineering in Medicine and Biology Society, Chicago 272-274 (1997)		3	22,00
Lucrare care citează		Categoria	Justificare
Benyó Z: Education and research in biomedical engineering of the Budapest University of Technology and Economics. Acta Physiologica Hungarica 93(1):13-21, 2006, ISSN 0231-424X, IF: 0.882		D	Conform serviciului web http://78.96.45.251/DanCristea/index.html
Benyó B: Computer-aided Analysis of Physiological Systems, Acta Polytechnica Hungarica, 4(4): 55-68, 2007, ISSN: 1785-8860, IF: 0.588		D	Jurnal nelistat
Matsuyama A, Jonkman M, de Boer F: Improved ECG Signal Analysis Using Wavelet and Feature Extraction. Methods of Information in Medicine 46(2):227-230, 2007, ISSN: 0026-1270, IF: 1.600		D	Jurnal nelistat
Tsipouras MG, Exarchos TP, Fotiadis DI, Kotsia A, Vakalis KV, Naka KK, Michalis LK: Automated diagnosis of coronary artery disease based on data mining and fuzzy modeling. IEEE Transactions on Information Technology in Biomedicine 12:447-458 (2008), 2013, ISSN 1089-7771		B	Lista jurnale 2014
Wen LF, Meng ZH, Zhang YH, Bai J: New developments of QRS complex detection methods, Foreign Medicine: Biomedical Engineering, 24(5):193-197, 2001, ISSN 1001-1110 (Google Scholar)		D	Jurnal nelistat (Google Scholar)
Botter EA, Nascimento Junior CL, Yoneyama T: Redes neurais auto-organizáveis para classificação de sinais eletrocardiográficos atriais, Integração, Ano XI, No. 40, pp. 51-56, 2005, ISSN 1413-6147 (Google Scholar)		D	Jurnal nelistat (Google Scholar)
Matsuyama A, Jonkman M: The Application of Wavelet and Feature Vectors to ECG Signals, TENCON'05, Melbourne, Article number 4085178, pp. 1-4, 2005, ISBN 0-7803-9311-2 (IEEEExplore)		D	Conferință nelistată (IEEEExplore)
Matsuyama A, Jonkman M: The application of wavelet and feature vectors to ECG signals, Australasian Physical and Engineering Sciences in Medicine 29(1):13-17, 2006, ISSN 0158-9938 (Springer)		D	Jurnal nelistat (Springer)
Li XJ, Chen YQ: New progress in QRS detection algorithm based on frequency transform, Biomedical Engineering Foreign Medical Sciences, 28(5):281-286, 2005 (Scopus)		D	Jurnal nelistat (Scopus)

Tian XL, Yan CH, Yu YQ, Wang TIX: R-wave Detection of ECG Signal by Using Wavelet Transform (Chinese). Journal of Biomedical Engineering 23(2):257-261, 2006, ISSN 1001-5515 (Google Scholar)	D	Jurnal nelistat (Google Scholar)	1,00
Tsipouras MG, Exarchos TP, Fotiadis DI, Kotsia A, Naka A, Michailis LK: A decision support system for the diagnosis of coronary artery disease. IEEE Symposium on Computer-Based Medical Systems (CBMS), pp. 279-284, 2006, ISBN 0-7695-2517-1 (IEEEExplore)	D	Conferință nelistată (IEEEExplore)	1,00
Sotos JM, Amau JMB, Aranda AMT, Melendez CS: Removal of muscular and artefacts noise from the ECG by a neural network. IEEE International Conference on Industrial Informatics (INDIN'07), pp. 687-692, 2007, ISBN 978-1-4244-0851-1 (IEEEExplore)	D	Conferință nelistată (IEEEExplore)	1,00
Zhang Y, Wang P, Zhang G: An information fusion approach and its application based on D-S evidence theory and neural network. 27th Chinese Control Conference, pp. 623-626, 2008, ISBN 978-7-900719-70-6 (IEEEExplore)	D	Conferință nelistată (IEEEExplore)	1,00
Yao H, Wang JG: Development of QRS Complex Detection Algorithm in ECG Signal. Progress in Modern Biomedicine 12(20):3988-3991, 2012, ISSN 1673-6273 (Google Scholar)	D	Jurnal nelistat (Google Scholar)	1,00
Benyó Z: Biomedical engineering education and research in Hungary. 8th International Symposium of Hungarian Researchers on Computational Intelligence and Informatics, CINTI 2007, pp. 129-137 (Scopus)	D	Conferință nelistată (IEEEExplore)	1,00
Stadler RW, Nelson SD, Stylos L, Sheldon T: Method and Apparatus for Analyzing Electrocardiogram Signals, Patent No. 1164931, 2007	D	Brevet internațional	1,00
Rodrigo Lício Ortolan: Estudo e avaliação de técnicas de processamento do sinal mioelétrico para o controle de sistemas de reabilitação, PhD thesis, Escola de Engenharia de São Carlos da Universidade de São Paulo, 2002	D	Teză doctorat (Google Scholar)	1,00
Matsuyama A: ECG and APG signal analysis during exercise in a hot environment, PhD Thesis, Charles Darwin University, Australia, 2009	D	Teză doctorat (Google Scholar)	1,00
Stadler RW, Shannon N: Axis shift analysis of electrocardiogram signal parameters especially applicable for multivector analysis by implantable medical devices, and use of same, US Patent 6397100, 2002	D	Brevet internațional	1,00

Lucrare citată			Autori	Puncte
Szilágyi L, Szilágyi SM, Benyó Z: Automated medical image processing methods for virtual endoscopy. World Congress on Medical Physics and Biomedical Engineering (WC2006), Seoul. IFMBE Proceedings 14:2267-2270 (2007), ISSN 1727-1983	Categoria	Justificare	3	2,00
Lucrare care citează				Puncte
Popescu D, Amza CG, Lăptoiu D, Amza G: Competitive Hopfield neural network model for evaluating pedicle screw placement accuracy. Strojinski Vestnik – Journal of Mechanical Engineering 58(9):509-516, 2012, ISSN: 0039-2480, IF: 0.883	C	Conform serviciului web http://78.96.45.251/DanCristea/in dex.html		2,00

Lucrare citată			Autori	Puncte
Szilágyi L, Szilágyi SM, Frigy A, Dávid L, Benyó Z: Quick ECG segmentation, artifact detection, and risk estimation methods for on-line Holter monitoring systems. World Congress on Medical Physics and Biomedical Engineering (WC2006), Seoul. IFMBE Proceedings 14:914-917 (2007), ISSN 1727-1983	Categoria	Justificare	5	0,33
Lucrare care citează				Puncte
Mihel J, Magjarević R: FPGA based two-channel ECG sensor node for wearable applications. IFMBE Proc. Vol. 22 (ECIFMBE'08), pp. 1208-1211, ISSN: 1680-0737, 2009 (Springer, Scopus)	D	Conferință nelistată (Springer)		0,33

Lucrare citată			Autori	Puncte
Szilágyi SM, Szilágyi L, Benyó Z: Recognition of various events from 3-D heart model. 16th IFAC World Congress, Prague 107-112 (2005), ISBN 978-3-902661-75-3	Categoria	Justificare	3	1,00
Lucrare care citează				Puncte
Liang LQ, Yang YX, Luo J, Zhou LM, Hong WC: A wireless ECG monitoring system with new waveform recognition method. In: Luo QM, Qang LHV, Tuchin VV: Advances in Biomedical Photonics and Imaging (PIBM 2007, Wuhan), pp. 298-302, 2008, ISBN: 978-981-283-233-7	D	Conferință nelistată (Google Scholar)		1,00

Lucrare citată			Autori	Puncte
Szilágyi L, Szilágyi SM, Benyó Z: Medical image segmentation for virtual endoscopy. 16th IFAC World Congress, Prague 243-247 (2005), ISBN 978-3-902661-75-3	Categoria	Justificare	3	1,00
Lucrare care citează				Puncte
Sánchez C: Tracheal ring detection in bronchoscopy. MSc Thesis, Univ. Autònoma Barcelona, 2011.	D	Teză MSc (Google Scholar)		1,00

Lucrare citată			Autori	Puncte
Szilágyi SM: Event recognition, separation and classification from ECG recordings. 20th Annual International Conference of IEEE Engineering in Medicine and Biology Society, Hong Kong 236-239 (1998), ISBN: 0-7803-5167-3.			1	10,00
Lucrare care citează			Justificare	Puncte
Dokur Z, Ölmez T - ECG beat classification by a novel hybrid neural network, Computer Methods and Programs in Biomedicine, 66(2-3):167-181, 2001, ISSN: 0169-2607	B	Poziția 315, lista jurnale 2013		4,00
Ölmez T, Dokur Z - Application of InP Neural Network to ECG Beat Classification, Neural Computing and Applications, Springer-Verlag, 11, pp. 144-155, 2003	C	poziția 976, lista jurnale 2013		2,00
Huang, X.-M., Zhang, Y. H: A new application of rough set to ECG recognition, International Conference on Machine Learning and Cybernetics, Vol. 3, 1729-1734, 2003.	C	poziția 509, lista conferințe 2013		2,00
Olvera, F. E - Electrocardiogram Waveform Feature Extraction Using the Matched Filter, ECE510: Statistical Signal Processing II, pp. 1-6, 2006	D	conferință nelistată (Google Scholar)		1,00
Mendoza Reyes MA, Lorenzo Ginori JV, Taboada Crispí A: Clasificación de señales electrocardiográficas contaminadas con ruido mediante representaciones tiempo-frecuencia. Universidad, Ciencia y Tecnología, Venezuela, 9(35):125-131, 2005, ISSN: 1316-4821	D	Jurnal nelistat (Google Scholar)		1,00
Lucrare citată			Autori	Puncte
Szilágyi SM: Non-linear adaptive prediction based ECG signal filtering. 21st Annual International Conference of IEEE Engineering in Medicine and Biology Society, Atlanta 296 (1999), ISBN: 0-7803-5674-8.			1	1,00
Lucrare care citează			Justificare	Puncte
Shahrrava B: Optimal adaptive prediction for SISO systems. J of Circuits, Systems, and Computers, 18(5):993-1003, 2009, ISSN 0218-1266	D	Jurnal nelistat (Google Scholar)		1,00
Lucrare citată			Autori	Puncte
Szilágyi SM: The limits of heart-model-based computerized ECG diagnosis. 22nd Annual International Conference of IEEE Engineering in Medicine and Biology Society, Chicago 1913-1916 (2000), ISBN: 0-7803-6465-1.			1	2,00
Lucrare care citează			Justificare	Puncte
Lahiri T, Sarkar S, Sanyal S, Morozov AA, Obukhov YV: Clustering of signal components within most likely ECG episodes to analyze the ECG-waves. Pattern Recognition and Image Analysis 19(1): 30-34, 2009, ISSN 1054-6618	C	poziția 993, lista jurnale 2013		2,00

Lucrare citată				Autori	Puncte
Szilágyi SM, Szilágyi L: A fast hierarchical clustering algorithm for large-scale protein sequence data sets. Computers in Biology and Medicine 48:94-101, 2014, ISSN 0010-4825, IF: 1.475*				2	1,00
Lucrare care citează				Justificare	Puncte
Hushiarian R, Yusuf NA, Houshiarian N, Abdullah AH, Ahmad SAA: Computer modeling to optimize the sensitivity of an optical DNA nanosensor. Sensors and Actuators B: Chemical 207:716-723, 2015, ISSN 0925-4005, IF: 3.84		D	Jurnal nelistat (Google Scholar)		1,00
Lucrare citată				Autori	Puncte
Szilágyi L, Iclănzan D, Crăciun L, Szilágyi SM: An efficient approach to intensity inhomogeneity compensation using c-means clustering models. Ibero-American Congress on Pattern Recognition (CIARP 2011, Pucón, Chile). In: San Martín C, Kim SW (Eds.): Progress in Pattern Recognition, Image Analysis, Computer Vision, and Applications, Springer, LNCS vol. 7042, pp. 312-319, 2011, ISBN 978-3-642-25084-2				4	2,00
Lucrare care citează				Justificare	Puncte
Varvak M: Ellipsoidal/radial basis function neural networks enhanced with the Rvachev function method in application problems. Engineering applications of Artificial Intelligence 38:111-121, 2015, ISSN: 0952-1976, IF: 1.962		B	poziția 348, lista jurnale 2013		2,00
Lucrare citată				Autori	Puncte
Szilágyi L, Szilágyi SM: Generalization rules for the suppressed fuzzy c-means algorithm. Neurocomputing 139:298-309, 2014, ISSN 0925-2312, IF: 2.005*				2	1,00
Lucrare care citează				Justificare	Puncte
Liu Z, Song YQ: An adapted spatial information kernel-based Fuzzy C-Means clustering method. 7 th International Congress on Image and Signal Processing (CISP 2014, Dalian, China), pp. 370-374, 2014		D	Conferință nelistată (Google Scholar)		1,00

Lucrare citată		Autori	Puncte
Szilágyi SM, Szilágyi L, Frigy A, Görög LK, László SE, Benyó Z: 3D heart simulation and recognition of various events. 27th Annual International Conference of IEEE Engineering in Medicine and Biology Society (EMBC 2005, Shanghai), pp. 4038-4041, 2005, ISBN 0-7803-8741-4		6	0,25
Lucrare care citează		Categoria	Puncte
Gijssbers GHM, Nijhof N, Slegt S, van den Brink HB: System for providing an electrical map. Patent application no. WO2012110940A1, 2012		D	0,25

Slegt S. van den Brink

TOTAL PUNCTE	89,08
Cărți și capitole publicate	18,58
Editor proceedings la conferințe	1,00
Director sau membru al unui grant/proiect/contract/program de cercetare național/internațional	16,00
Membru în comitetul științific (de program) al unor conferințe, simpozioane, workshop-uri	0,50
Profesor/researcher asociat/visiting la o universitate din top	18,00
Consolidarea de echipe de cercetare	29,00
Premii și alte merite	6,00

Cărți și capitole publicate				18,58
Nr.	Lucrare	Autori	Categoria	Puncte
1	Szilágyi SM: Dynamic modeling of the human heart. Scientia Publishing House, Cluj Napoca (2009), 200p, ISBN: 978-973-1970-11-0.	1	Carte Editura nelistată	2,00
2	Szilágyi L, Szilágyi S, Benyó Z: A Modified Fuzzy C-Means Classifier for Fast Segmentation of MR Brain Images. In: Melín P, Castillo O, Ramírez EG, Kacprzyk J, Pedrycz W (Eds.): Analysis and Design of Intelligent Systems Using Soft Computing Techniques, Springer, Advances in Soft Computing vol. 41, pp. 119-127 (2007), ISBN: 978-3-540-72431-5.	3	Capitol Editura cat. B (Springer)	4,00
3	Szilágyi S, Szilágyi L, Benyó Z: Spatial Heart Simulation and Analysis Using Unified Neural Network. In: Melín P, Castillo O, Ramírez EG, Kacprzyk J, Pedrycz W (Eds.): Analysis and Design of Intelligent Systems Using Soft Computing Techniques, Springer, Advances in Soft Computing vol. 41, pp. 346-354 (2007), ISBN: 978-3-540-72431-5.	3	Capitol Editura cat. B (Springer)	4,00
4	Szilágyi S, Szilágyi L, Benyó Z: Support Vector Machine-Based ECG Compression. In: Melín P, Castillo O, Ramírez EG, Kacprzyk J, Pedrycz W (Eds.): Analysis and Design of Intelligent Systems Using Soft Computing Techniques, Springer, Advances in Soft Computing vol. 41, pp. 737-745 (2007), ISBN: 978-3-540-72431-5.	3	Capitol Editura cat. B (Springer)	4,00

5	Szilágyi L, Szilágyi SM, Benyó Z: Fast and Robust Fuzzy C-Means Algorithms for Automated Brain MR Image Segmentation. In: Wickramasinghe N, Geisler E (eds.): Encyclopaedia of Healthcare Information Systems, IDEA Group Publishing: Hershey-New York, 578-586, ISBN: 978-1599048895 (2008).	3	Capitol Editura nelistată	1,00
6	Szilágyi SM, Szilágyi L, Benyó Z: Volumetric Analysis and Modeling of the Heart Using Active Appearance Model. In: Wickramasinghe N, Geisler E (eds.): Encyclopaedia of Healthcare Information Systems, IDEA Group Publishing: Hershey-New York, 1374-1382, ISBN: 978-1599048895 (2008).	3	Capitol Editura nelistată	1,00
7	Szilágyi SM, Szilágyi L, Frigy A, Görög LK, Benyó Z: Spatial Heart Simulation and Adaptive Wave Propagation. In: Wickramasinghe N, Geisler E (eds.): Encyclopaedia of Healthcare Information Systems, IDEA Group Publishing: Hershey-New York, 1253-1260, ISBN: 978-1599048895, (2008).	5	Capitol Editura nelistată	0,33
8	Szilágyi SM, Szilágyi L, Benyó Z: Echocardiographic Image Sequence Compression Based on Spatial Active Appearance Model. In: Wickramasinghe N, Geisler E (eds.): Encyclopaedia of Healthcare Information Systems, IDEA Group Publishing: Hershey-New York, 472-479, ISBN: 978-1599048895 (2008).	3	Capitol Editura nelistată	1,00
9	Szilágyi SM, Szilágyi L, Benyó Z: Spatial Heart Simulation and Analysis Using Unified Neural Network. In: Wickramasinghe N, Geisler E (eds.): Encyclopaedia of Healthcare Information Systems, IDEA Group Publishing: Hershey-New York, 1261-1268, ISBN: 978-1599048895 (2008).	3	Capitol Editura nelistată	1,00
10	Szilágyi SM, Szilágyi L, Luca CT, Cozma D, Ivanica G, Benyó Z: Modification of the Accessory Pathway Localization Method to Improve the Performance of WPW Syndrome Interventions. In: Wickramasinghe N, Geisler E (eds.): Encyclopaedia of Healthcare Information Systems, IDEA Group Publishing: Hershey-New York, 921-930, ISBN: 978-1599048895 (2008).	6	Capitol Editura nelistată	0,25

Editor proceedings la conferințe				1,00
Nr.	Lucrare	Autori	Categoria	Puncte
1	Benyó Z, Szilágyi SM (Eds.): Conference on the Latest Results in Information Technology (Budapest), 1998, ISBN 963-421-548-3.	2	D	1,00

Director sau membru al unui grant/proiect/contract/program de cercetare național/internațional					16,00
Nr.	Grant	Funcție	Categoria	Puncte	
1	2011-2014: Călire simulată distribuită, bazată pe modele	Membru	< 50000 EUR	1,00	
2	2009-2011: Skeletonizarea eficientă a obiectelor spațial deformabile	Director	< 50000 EUR	2,00	
3	2008-2009: Studiul spațial al geometriei ventriculului drept	Director	< 50000 EUR	2,00	
4	2007-2008: Modelarea robustă a unor celule din inima	Membru	< 50000 EUR	1,00	
5	2005-2006: Determinarea optimă a turbulențelor inimii bazate pe înregistrări Holter ECG	Membru	< 50000 EUR	1,00	
6	2004-2005: Sistem de vizualizare 3D pe baza imaginilor medicale	Membru	< 50000 EUR	1,00	
7	2003-2004: Sistem de supraveghere a pacienților	Director	< 50000 EUR	2,00	
8	2002-2003: Producerea multistraturilor TiAN cu componente nanocrsitale prin pulverizare	Membru	< 50000 EUR	1,00	
9	2007-2010: Development of new measurement and control methods, and their bioinformatical applications, for early diagnosis and optimal treatment of metabolic diseases. Financed OTKA Hungary, K69055	Membru	< 50000 EUR	1,00	
10	1999-2002: Event recognition for application in technical and non-technical diagnosis. Financed OTKA Hungary, T29830	Membru	< 50000 EUR	1,00	
11	1999-2001: Medical communication system and dummy patient. Financed FKFP Hungary, 0301/1999	Membru	< 50000 EUR	1,00	
12	1997-1999: Distributed communication system in biomedical applications. Financed EU, INCO Copernicus 960161	Membru	50000-99999 EUR	2,00	

Membru în comitetul științific (de program) al unor conferințe, simpozioane, workshop-uri			0,50
Nr.	Conferința		Puncte
1	International Conference On Recent Achievements in Mechatronics, Automation, Computer Science and Robotics, MACRO 2011, Tîrgu Mureș, 8-9 aprilie 2011		0,50
		D	

Profesor/researcher asociat/visiting la o universitate din top					18,00
Nr.	Universitate	Rolul	Perioada	Categoria	Puncte
1	Budapest University of Technology and Economics, Hungary	Researcher asociat (postdoc)	2012/08 – 2012/08 = 1 lună	Loc 428 (top 500)	2,00
2	University of Fribourg, Switzerland	Researcher asociat (postdoc)	2013/04 – 2014/03 = 12 luni	Loc 509 (top 1000)	12,00
3	University of Debrecen, Hungary	Researcher asociat	2014/07 – 2014/08 = 2 luni	Loc 498 (top 500)	4,00

Consolidare de echipe de cercetare					29,00
Nr.	Echipa	Membri	Ani	Rezultate	Puncte
1	Procesarea semnalelor ECG	Szilágyi SM Moldován IZ, Szilágyi L	1996	Szilágyi SM, Moldován IZ, Szilágyi L: New possibilities in the medical sciences in the field of ECG signal processing (Hungarian). I. Fiatal Műszakiak Tudományos Ülésszaka (FMTÜ, Cluj), pp. 1-4, 1996, ISBN 973-98092-2-7. Szilágyi SM, Szilágyi L: Adaptive estimator for ECG signal compression. Conference on the Latest Results in Information Technology (Budapest), pp. 50-53, 1997, ISBN 963-421-545-9.	3,00
2	Modelarea sistemelor utilizând inteligență	Szilágyi SM Máthé Zs,	2004	Máthé Zs, Görög LK, Komáromi L, Szilágyi SM: Mesterséges intelligencia társasjátékokban, 14 th	5,00

	artificială	Görög LK, Komáromi L, László SE		<p>International Conference in Computer Science and Education, Cluj, 2004, ISBN 973860978-X.</p> <p>Görög LK, Máthé Zs, Komáromi L, Szilágyi SM: A mesterséges intelligencia labirintusa, IX. Fiatal Műszakiak Tudományos Ülésszaka, Cluj, 2004., p. 171-174, ISBN 973-8231-33-7.</p> <p>Görög LK, Komáromi L, Máthé Zs, Szilágyi SM: Az örült labirintus, IX. Fiatal Műszakiak Tudományos Ülésszaka, Cluj, 2004., p. 174-178, ISBN 973-8231-33-7.</p> <p>László SE, Szilágyi SM: 3D Modellezés Lehetőségei, IX. Fiatal Műszakiak Tudományos Ülésszaka, Cluj, 2004., p. 147-150, ISBN 973-8231-33-7.</p>	6,00
3	Modelarea sistemelor biomedicale	<p>Szilágyi SM Szász ZE, László SE, Görög LK, Máthé Zs, Creț O</p>	2005	<p>Szász ZE, Szilágyi SM: MRI Image Analysis with Genetic Algorithms, 15th International Conference in Computer Science and Education, Cluj, 2005, pp. 210-219, ISBN 973-7840-08-1.</p> <p>Szilágyi SM, László SE, Görög LK: Complex Heart Diagnosis Methods, 15th International Conference in Computer Science and Education, Cluj, 2005, pp. 192-201, ISBN 9737840-08-1.</p> <p>László SE, Szilágyi SM, Görög LK: ECG Signal Measurement and Rhythm Analysis, 15th International Conference in Computer Science and Education, Cluj, 2005, pp. 202-209, ISBN 973-7840-08-1.</p> <p>László SE, Szilágyi SM: Mobil EKG mérés és ritmusanalízis, X. Fiatal Műszakiak Tudományos Ülésszaka, Cluj, 2005, p. 193-196, ISBN 973-8231-44-2.</p> <p>Görög LK, Szilágyi SM: Using reading Techniques in Complex Software-developing Systems, 15th International Conference in Computer Science and</p>	

				Education, Cluj, 2005, pp. 153-159, ISBN 973-7840-08-1. Máthé Zs, Görög LK, Creț O, László SE, Szilágyi SM: Iterative ECG Signal Filtering for Better QRS Recognition, EMBE'05, 3rd European Medical & Biological Engineering Conference, Prague, IFMBE Proc. vol 11., paper#2260, pp. 1-6, 2005, ISSN 1727-1983. Görög LK, Máthé Zs, Creț O, Szilágyi SM: Sensibility Analysis of the Arruda Localization Method, EMBE'05, 3rd European Medical & Biological Engineering Conference, Prague, IFMBE Proc. vol 11., paper#2309, pp. 1-5, 2005, ISSN 1727-1983.	
4	Criptografie	Szilágyi SM Máthé Zs, Stan J	2005	Máthé Zs, Stan J, Szilágyi SM: A nyilvános kulcsú kriptográfia egy lehetséges alkalmazása I., Firka, 2005-06(5), 182-186. Máthé Zs, Stan J, Szilágyi SM: A nyilvános kulcsú kriptográfia egy lehetséges alkalmazása II., Firka, 2005-06(6), 223-227.	3,00
5	Skeletonizare	Szilágyi SM Szilágyi L, Iclănzan D, Szabó L	2009- 2011	Szilágyi L, Szilágyi SM, Iclănzan D, Szabó L: Efficient skeleton extraction from large 3-D objects. In: Domokos J, Bakó L, Szilágyi L, Forgó Z (eds): Proc. International Conference on Recent Achievements in Mechatronics, Automation, Computer Science and Robotics (MACRO 2011, Tîrgu Mureș), pp. 75-86, 2011, ISBN 978-973-1970-54-7. Szilágyi L, Szilágyi SM, Iclănzan D, Szabó L: Efficient 3D curve skeleton extraction from large objects. Ibero-American Congress on Pattern Recognition (CIARP 2011, Pucón, Chile). In: San Martín C, Kim SW (Eds.): Progress in Pattern Recognition, Image Analysis, Computer Vision, and Applications, Springer, LNCS vol. 7042, pp. 133-140,	12,00

				2011, ISBN 978-3-642-25084-2.	
				Grant IPC Sipientia 2009–2011: Skeletonizarea eficienta a obiectelor spatiale deformabile	

Premii și alte merite	6,00
Premiul	
2015 – János Bolyai Fellowship Award (Hungarian Academy of Sciences)	
2014 – Honored Papers 2014 al revistei cu factor de impact IF = 1.475 Computers in Biology and Medicine. Top 10 papers of the Year. Titlul: A fast hierarchical clustering algorithm for large-scale protein sequence datasets. Comput. Biol. Med. 2014;48:94–101.	
2010 – 2014 UEFISCDI (resurse umane) – Premiul rezultatelor științifice (patru lucrări științifice premiate)	
2011 – János Bolyai Fellowship Award (Hungarian Academy of Sciences)	
2005 – Diplomă de onoare – Societatea Muzeului Ardelean	
1991 – Premiul Hegyi Lajos – Fundația Hegyi Lajos	

Hegyi Lajos