

## Fisa de verificare a standardelor minimale stabilite prin OM 6560 / 2012

Candidat **Sl. Dr. Ing. Delia Mitrea**  
Postul **Conferentiar (Poz. 25), Facultatea Automatica si Calculatoare, Departamentul Calculatoare**

Nr. Crt	Domeniul activ.	1	2	3	Subcategori	Indicatori (tip)	Numar	Punctaj
0	Activitatea didactica si profesionala (A1)				A1.1.1. Carti, monografii, capitole ca autor A1.1.2. Manuale didactice A1.2.1.	5 25 20 10	1 4 2	25 80 20
<b>Total punctaj A(1) / 125</b>								
2	Activitatea de cercetare (A2)	Articole in reviste cotate si in volumele unor manifestari stiintifice indexate ISI proceedings Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale (IBDI) Proprietate intelectuala, brevete de inventie, certificate ORDA Granturi/proiecte castigate prin competitie			A2.1 A2.2 A2.3.1 A2.3.2 A2.3.3 A2.4.1.1 A2.4.1.2 A2.4.2.1 A2.4.2.2	(25* 20 ° factor impact) / nr. de autori 20 / nr. de autori 35 / nr. de autori 25 / nr. de autori 20 ° ani de desfasurare 10 ° ani de desfasurare 4 ° ani de desfasurare 2 ° ani de desfasurare	29 27 0 0 0 3 2 20	248.68 129.35 0 0 0 55 16 76
<b>Total punctaj A(2) / 525.03</b>								
3	Recunoasterea si impactul activitatii (A3)	Carti in carti, reviste si volume ale unor manifestari stiintifice Prezentari invitate in plenum unor manifestari stiintifice nationale si internationale si profesor invitat Membru in comitetele de redactie sau comitete stiintifice ale revistelor, organizator de manifestari stiintifice, internationale indexate ISI Premii in domeniu			A3.1.1 carti, ISI A3.1.2 BDI A3.2.1 Internationale A3.2.2 nationale A3.3.1 ISI A3.3.2 BDI A3.3.3 nationale si internationale nelindexate A3.4.1 Academia Romana, ASTR, academiile de ramura, premii internationale A3.4.2 premii nationale in domeniu	8 / nr aut. art. citat 4 / nr aut. art. citat 10 5 10 6 3 15 5	37 16 0 1 0 5 8 0 1	55.12 12.68 0 5 0 24 0 0 5
<b>Total punctaj A(3) / 125.8</b>								

Nr.	Domeniul de activitate (A)	Necesari conferentiar	Realizati
A1	Activitatea didactica / profesionala (A1)	50	125
A2	Activitatea de cercetare (A2)	250	525.03
A3	Recunoasterea impactului activitatii (A3)	50	125.8
<b>Total (A)</b>		<b>350</b>	<b>775.83</b>

Nr.	Domeniul de activitate (A)	Necesari conferentiar	Realizati
A1.1.1.-A1.1.2	Carti si capitole in carti de specialitate	2	5
A1.2.1.-A1.2.2	Material didactic / lucrari didactice	1	2
A2.1.	Articole in reviste cotate si in volumele unor manifestari stiintifice indexate ISI proceedings	6	29
A2.4.1	Granturi/proiecte castigate prin competitie (Director/ responsabil)	1	3
A3.1.1.-A3.1.2	Numar de citari in carti, reviste si volume ale unor manifestari stiintifice ISI sau BDI	10	53
Factor de impact cumulat pentru publicatii		3	24.136

h-index: ISI WoS=3, Scopus=5, Google Scholar=8

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Vizat Director Departament  
Prof. Dr. Ing. Andrica Potolea

Vizat Decan  
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Anexa: datele pentru calculul indeplinirii criteriilor

A1.1.1.-A1.1.2. Carti, monografii, capitole ca autori, Internationale si nationale

Nr.	Autori	Titlu cartea / carte	Editura	Anul
1	Delia Mitrea	Metode bazate pe textură pentru analiza și recunoașterea structurilor anatomice din imagini ultrasonografice. ISBN 978-973-713-351-9	Editura Mediamira	2017
1	M. Lupșor, R. Badea, D. Mitrea, C. Vicaș, S. Nedevschi	Evaluarea și caracterizarea steatozei, fibrozei și restructurării parenchimului hepatic cu ajutorul ultrasonografiei și a metodelor computerizate de analiză a imaginii", Capitol în M. Grigorescu, M. Beuran, "Actualități în patologia ficatului", Editura Medicală Universitară „Iuliu Haieganu” Cluj-Napoca, 2008, pp. 288-302; 13 pagini (capitolul de carte), limba română, ISBN 978-973-693-277-9	Editura Medicală Universitară „Iuliu Haieganu” Cluj-Napoca	2008
2	Mitrea Alexandru, Nedevschi Sergiu, Ivan Mircea, Mitrea Delia, Gurzau Mircea, Lung Nicolae, Cimpean Dalia	Modele deformabile 2D. Aplicații, Editura UTPress Cluj-Napoca, 2009, 106 pagini, limba romana, ISBN: 978-973-662-451-3	Editura UTPress Cluj-Napoca	2009
3	Mitrea Alexandru, Nedevschi Sergiu, Mitrea Delia, Inoan Daniela, Lung Nicolae, Ivan Dumitru Mircea, Gurzau Octavian Mircea, Mitrea Paulina, Cimpean Dalia	Modele deformabile 3D. Aplicații, Editura UTPress, Cluj-Napoca, 2010, 94 pagini, limba română, ISBN: 978-973-662-598-5	Editura UTPress Cluj-Napoca	2010
4	D. Mitrea, S. Nedevschi, R. Badea	"Advanced texture analysis techniques for building textural models, with applications in the study of the pathology evolution stages, based on ultrasound images", capitol de carte in "European Project Space on Intelligent Technologies, Software engineering, Computer Vision, Graphics, Optics and Photonics", ISBN 978-985-758-206-6	SCITEPRESS Digital Library (in curs de publicare)	2017

A1.2.1. Materiale didactice

Nr.	Autori	Titlu cartea / revista [comferinta]	Factor de impact	Nr. Autori	Punctaj
1	D. Mitrea, C. Cenan, P. Mitrea	Relational Databases, SQL and Specific Data Structures, in Practice. Database Laboratory Guide, 2nd year	0.449	5	6.796
2	D. Mitrea, C. Cenan, P. Mitrea	Database Laboratory Guide (Baze de Date - îndrumător de laborator), ISBN: 978-973-662-750-7	0.25	4	7.5
3	R. Chifor, M.E.Badea, D.A. Mitrea, I.C. Badea, M. Crisan, I. Chifor, R. Avram	Computer-assisted identification of the gingival sulcus and periodontal epithelial junction on high-frequency ultrasound images, MEDICAL ULTRASONOGRAPHY Journal, Vol. 17, Issue 3, pp. 273-279, septembrie 2015	1.108	7	6.737142857
4	A. Mesaros, S. Sava, D. Mitrea, C. Gasparik, C. Alb, M. Mesaros, M. Badea, D. Duda	In vitro assessment of tooth color changes due to orthodontic treatment using knowledge discovery methods, in JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, Volume: 29, Issue: 20, 2015	0.961	8	5.5275

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

Nr.	Autori	Titlu lucrare / revista [comferinta]	Factor de impact	Nr. Autori	Punctaj
1	Delia Mitrea, Sergiu Nedevschi, Mihail Abrudean, Monica Platon-Lupsor, Radu Badea	The Role of the Textural Microstructure Co-occurrence Matrices in the Automatic Detection of the Cirrhosis Severity Grades from Ultrasound Images, Control Engineering and Applied Informatics (CEAI) Journal, Vol. 18, No. 4, pp. 96-106, decembrie 2016 <a href="http://ceai.rait.ro/index.php?journal=ceai&amp;page=article&amp;op=view&amp;path%5B%5D=3561">http://ceai.rait.ro/index.php?journal=ceai&amp;page=article&amp;op=view&amp;path%5B%5D=3561</a>	0.0698	5	6.796
2	D. Mitrea, S. Nedevschi, M. Abrudean, R. Badea	Colorectal cancer recognition from ultrasound images, using complex textural microstructure co-occurrence matrices, based on Laws' features, Proceedings of the 38th International Conference on Telecommunications and Signal Processing, 2015, Praga, pp. 458-462	0.0625	4	7.5
3	R. Chifor, M.E.Badea, D.A. Mitrea, I.C. Badea, M. Crisan, I. Chifor, R. Avram	Computer-assisted identification of the gingival sulcus and periodontal epithelial junction on high-frequency ultrasound images, MEDICAL ULTRASONOGRAPHY Journal, Vol. 17, Issue 3, pp. 273-279, septembrie 2015	1.108	7	6.737142857
4	A. Mesaros, S. Sava, D. Mitrea, C. Gasparik, C. Alb, M. Mesaros, M. Badea, D. Duda	In vitro assessment of tooth color changes due to orthodontic treatment using knowledge discovery methods, in JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, Volume: 29, Issue: 20, 2015	0.961	8	5.5275

5	Mitrea D., Nedevschi S., Badea R.	The role of the Textural Microstructure Cooccurrence Matrices in the classification of abdominal tumors, based on ultrasound images, in Proceedings - 2014 IEEE 10th International Conference on Intelligent Computer Communication and Processing, ICCP 2014, pp. 187-190, 2014.	0.25	4	7.5	0.0625
6	A. Mitrea, S. Nedevschi, D. Mitrea, P. Mitrea, R. Badea	Diseased Tissue Area Detection and Delimitation, by Fusion between Finite Difference Methods and Textural Analysis, in 2014 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS, 2014.	0.25	5	6	0.05
7	Della Mitrea, Monica Lupsor, Sergiu Nedevschi, Radu Badea	Discovering the Cirrhosis Grades from Ultrasound Images by Using Textural Features and Clustering Methods, in 2013 36TH INTERNATIONAL CONFERENCE ON TELECOMMUNICATIONS AND SIGNAL PROCESSING (TSP), pp. 633-637, 2013.	0.25	4	7.5	0.0625
8	Della Mitrea, Sergiu Nedevschi, Mihai Socaciu, Radu Badea	The Role of the Superior Order GLCM in the Characterization and Recognition of the Liver Tumors from Ultrasound Images, in RADIOENGINEERING, vol. 21, no. 1, pp. 79-85, 2012.	0.653	4	9.515	0.16325
9	Della Mitrea, Sergiu Nedevschi, Radu Badea	The role of the multiresolution textural features in improving the characterization and recognition of the liver tumors, based on ultrasound images, in 14TH INTERNATIONAL SYMPOSIUM ON SYMBOLIC AND NUMERIC ALGORITHMS FOR SCIENTIFIC COMPUTING (SYNASC, 26-29 septembrie 2012) proceedings, pp. 192-199, 2012. <a href="http://reacexploreee.org/api/articleDetails.jsp?reload=true&amp;number=6481029">http://reacexploreee.org/api/articleDetails.jsp?reload=true&amp;number=6481029</a>	0.25	3	10	0.0833333333
10	Alexandru Mitrea, Radu Badea, Della Mitrea, Sergiu Nedevschi, Paulina Mitrea, Dumitru Ivan, Octavian Gurzau	Iterative Methods for Obtaining Energy-Minimizing Parametric Snakes with Applications to Medical Imaging, in COMPUTATIONAL AND MATHEMATICAL METHODS IN MEDICINE, 2012.	0.766	7	5.76	0.109429571
11	Della Mitrea, Paulina Mitrea, Sergiu Nedevschi, Radu Badea, Monica Lupsor, Mihai Socaciu, Adela Golea, Caludelia Hagiu, Lidia Ciobanu	Abdominal Tumor Characterization and Recognition Using Superior-Order Cooccurrence Matrices, Based on Ultrasound Images, in COMPUTATIONAL AND MATHEMATICAL METHODS IN MEDICINE, 2012.	0.766	9	4.48	0.085111111
12	D. Mitrea, P. Mitrea, R. Badea, M. Socaciu, L. Ciobanu, A. Golea, C. Hagiu, A. Seiceanu	Texture-Based Methods and Dimensionality Reduction Techniques Involved in the Detection of the Inflammatory Bowel Diseases from Ultrasound Images, in INTERNATIONAL CONFERENCE ON ADVANCEMENTS OF MEDICINE AND HEALTH CARE THROUGH TECHNOLOGY, vol. 36, pp. 220-225, 2011.	0.25	8	3.75	0.03125
13	Della Mitrea, Sergiu Nedevschi, Mihai Socaciu, Radu Badea	The Role of the Feature Extraction Methods in Improving the Textural Model of the Hepatocellular Carcinoma, Based on Ultrasound Images, in DIGITAL INFORMATION PROCESSING AND COMMUNICATIONS, PT 1, vol. 188, pp. 496-509, 2011.	0.25	4	7.5	0.0625
14	Della Mitrea, Sergiu Nedevschi, Radu Badea	The Role of The Superior Order GLCM in Improving The Automatic Diagnosis of The Hepatocellular Carcinoma Based on Ultrasound Images, in 2011 34TH INTERNATIONAL CONFERENCE ON TELECOMMUNICATIONS AND SIGNAL PROCESSING (TSP), pp. 602-606, 2011.	0.25	3	10	0.0833333333
15	Maria Crisan, Carlo Cattani, Radu Badea, Paulina Mitrea, Mira Florea, Diana Crisan, Della Mitrea, Razvan Bucur, Gabriela Chechiches	Modelling Cutaneous Senescence Process, in COMPUTATIONAL SCIENCE AND ITS APPLICATIONS - ICCSA 2010, PT 2, PROCEEDINGS, vol. 6017, pp. 215-224, 2010.	0.25	9	3.3333333333	0.027777778
16	Paulina Mitrea, Della Mitrea	The Role That Web 2.0 Currently Has and Could Have in the Future in Supporting the Teaching of ICT Design for All, in TECHNOLOGY ENHANCED LEARNING: QUALITY OF TEACHING AND EDUCATIONAL REFORM, vol. 73, pp. 397-404, 2010.	0.25	2	15	0.125
17	A. Mitrea, D. Mitrea	TWO-SIDED ESTIMATES OF PROJECTION OPERATORS NORM, WITH APPLICATIONS TO DEFORMABLE MODELS, in MATHEMATICAL INEQUALITIES & APPLICATIONS, vol. 12, no. 4, pp. 845-852, 2009.	0.645	2	18.95	0.3225
18	P. Mitrea, D. Mitrea, O. Buza	MLG - Multimedia On-Line Lesson Generator, 10th European Conference for the Advancement of Assistive Technology, Florence, ITALY, AUG 28, 2009. Book Series: Assistive Technology Research Series, Vol. 25, pp. 607-612, 2009	0.25	3	10	0.0833333333
19	D. Mitrea, S. Nedevschi, M. Lupsor, M. Socaciu, R. Badea	Classification of the Hepatocellular Carcinoma in Ultrasound Images Based on the ImageJic Textural Model of This Tumor, in INTERNATIONAL CONFERENCE ON ADVANCEMENTS OF MEDICINE AND HEALTH CARE THROUGH TECHNOLOGY, vol. 26, pp. 267-272, 2009.	0.25	5	6	0.05

20	A. Mitrea, D. Ivan, D. Mitrea, D. Inoan, P. Mitrea	Deformable Variational Models Used in Medical Imaging, in INTERNATIONAL CONFERENCE ON ADVANCEMENTS OF MEDICINE AND HEALTH CARE THROUGH TECHNOLOGY, vol. 26, pp. 273-278, 2009.	0.25	5	6	0.05
21	Delia Mitrea, Sergiu Nedevschi, Monica Lupșor, Mihai Socaciu, Radu Badea	Improving the textural model of the hepatocellular carcinoma using dimensionality reduction methods, in PROCEEDINGS OF THE 2009 2ND INTERNATIONAL CONGRESS ON IMAGE AND SIGNAL PROCESSING (ICSP), VOLS 1-9, pp. 1083-1087, 2009.	0.25	5	6	0.05
22	Delia Mitrea, Sergiu Nedevschi, Bogdan Petrut, Ioan Coman	The Imagistic-Textural Model of the Prostatic Adenocarcinoma, in 2008 IEEE 4TH INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTER COMMUNICATION AND PROCESSING, PROCEEDINGS (ICCP), pp. 107-114, 2008.	0.25	4	7.5	0.0625
23	D. Mitrea, S. Nedevschi, M. Lupșor, R. Badea	Exploring the textural parameters obtained from ultrasound images for modeling the liver pathological stages in the evolution towards hepatocellular carcinoma, in 2008 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS (AQTR 2008), THETA 16TH EDITION, VOL. III, PROCEEDINGS, pp. 128-133, 2008.	0.25	4	7.5	0.0625
24	Sergiu Nedevschi, Cristian Vicas, Delia Mitrea, Monica Lupșor, Mircea Grigorescu, Radu Badea	Usefulness Of Attenuation And Backscattering Coefficients In Investigating Complex Non-Alcoholic Steatohepatitis From Ultrasound Images, Preliminary Results, in ANALYSIS OF BIOMEDICAL SIGNALS AND IMAGES, pp. 299-303, 2008.	0.25	6	5	0.041666667
25	D. Mitrea, S. Nedevschi, M. Lupșor, H. Stefanescu, R. Badea	Comparing Various Feature Selection Methods for Building the Textural Model of Hepatocellular Carcinoma based on Ultrasound Images, in ANALYSIS OF BIOMEDICAL SIGNALS AND IMAGES, pp. 502-509, 2008.	0.25	5	6	0.05
26	H. Stefanescu, M. Lupșor, O. Dancesa, T. Marita, T. Suteu, D. Capatana, R. Cazan, D. Mitrea, R. Badea	Evaluation of an ultrasound tele-screening network for hepatocellular carcinoma, in JOURNAL OF HEPATOLOGY, vol. 48, pp. S157-S157, 2008.	11.336	9	27.96888889	1.259555556
27	Delia Mitrea, Sergiu Nedevschi, Monica Lupșor, Radu Badea	Building the Imagistic textural model of the liver pathological stages for the early detection of hepatocellular carcinoma based on ultrasound images, in WSEAS: ADVANCES ON APPLIED COMPUTER AND APPLIED COMPUTATIONAL SCIENCE, pp. 764-771, 2008.	0.25	4	7.5	0.0625
28	M. Lupșor, R. Badea, S. Nedevschi, D. Mitrea, M. Florea	Ultrasonography contribution to hepatic steatosis quantification. Possibilities of improving this method through computerized analysis of ultrasonic image, in 2006 IEEE-ITTC International Conference on Automation, Quality and Testing, Robotics, Vol 2, Proceedings, pp. 478-483, 2006.	0.25	5	6	0.05
29	Adriana Manciuc, Monica Pops, Delia Mitrea, Dorina Capatina	Parameters monitoring solutions for the quality control of water used in healthcare units, in 2006 IEEE-ITTC International Conference on Automation, Quality and Testing, Robotics, Vol 2, Proceedings, pp. 457-462, 2006.	0.25	4	7.5	0.0625
			21.934		238.8178651	3.583750397

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

Nr.	Autori	Titlu lucrare / revista (conferinta)	Baza de date	Nr. Autori	Punctaj
1	D. Mitrea, S. Nedevschi, R. Badea	Software system for the automatic and computer assisted diagnosis of some severe abdominal affections, based on ultrasound images, Romanian Journal of Human-Computer Interaction, Vol.9, Nr.1, 2016, pp. 53-70	Index Copernicus, EBSCO	3	6.666666667
2	D. Mitrea, S. Nedevschi, R. Badea	The role of the complex textural microstructure co-occurrence matrices, based on Laws' features, in the characterization and recognition of some pathological structures, from ultrasound images, International Journal of Advances in Telecommunications, Electrotechnics, Signals and Systems, Bmo, vol. 5, no 2, 2016, pp. 61-67	DOAJ, Crossref, WorldCat, Google Scholar	3	6.666666667
3	D. Mitrea, S. Nedevschi, R. Badea	The Role of the Complex Extended Textural Microstructure Co-occurrence Matrix in the Unsupervised Detection of the HCC Evolution Phases, based on Ultrasound Images, International Conference on Pattern Recognition Applications and Methods (ICPRAM 2016), Proceedings, pp. 698-705	Scopus	3	6.666666667
4	D. Mitrea, S. Nedevschi, M. Abrudean, R. Badea	Detecting the evolution phases of the hepatocellular carcinoma from ultrasound images, using generalized co-occurrence matrices, Acta Electrotechnica, Vol. 56, No. 1-2, pp.46-54, 2015	Google Scholar	4	5

5	D. Mitrea, S. Nedevschi, M. Abrudean	Classification of the liver tumors Using Co-Occurrence Matrices of textural Microstructures, Journal of Communication and Computers, Vol. 12, No. 1, 2015, pp. 6-12	Google Scholar	3	6.666666667
6	D. Mitrea, S. Nedevschi, M. Abrudean, R. Badea	Abdominal tumor recognition from ultrasound images using Complex Extended Textural Microstructure Co-occurrence Matrices, revista Automation, Computers, Applied Mathematics (ACAM), Vol. 23, No.1, pp. 9-19, 2014	Google Scholar	4	5
7	Mitrea D., Nedevschi S., Badea R.	Classification of the liver tumors using multiresolution, superior order EDCM textural features, in ICPRAM 2014 - Proceedings of the 3rd International Conference on Pattern Recognition Applications and Methods, pp. 799-804, 2014.	Scopus	3	6.666666667
8	Mitrea, D., Socaci, M., Badea, R., Golea, A.	Texture based characterization and automatic diagnosis of the abdominal tumors from ultrasound images using third order GLCM features, in Proceedings - 4th International Congress on Image and Signal Processing, CISP 2011, vol. 3, pp. 1558-1562, 2011.	Scopus	4	5
9	Mitrea, D., Nedevschi, S., Badea, R.	The role of the superior order GLCM and of the generalized cooccurrence matrices in the characterization and automatic diagnosis of the hepatocellular carcinoma, based on ultrasound images, in Proceedings - 2011 IEEE 7th International Conference on Intelligent Computer Communication and Processing, ICCP 2011, pp. 197-204, 2011.	Scopus	3	6.666666667
10	Mitrea, D., Mitrea, F., Badea, R., Socaci, M., Ciobanu, L., Golea, A., Hagiu, C., Selcean, A.	Computerized methods for the assessment and characterization of the inflammatory bowel diseases and colon cancer from ultrasound and endoscopic images, in 10th WSEAS International Conference on EHAC'11 and ISPRAM'11, 3rd WSEAS Int. Conf. on Nanotechnology, Nanotechnology'11, 6th WSEAS Int. Conf. on IC0AA'11, 2nd WSEAS Int. Conf. on IPLAFUN'11, pp. 336-343, 2011.	Scopus	8	2.5
11	Mitrea, D., Nedevschi, S., Lupsor, M., Socaci, M., Badea, R.	Experimenting various classification techniques for improving the automatic diagnosis of the malignant liver tumors, based on ultrasound images, in Proceedings - 2010 3rd International Congress on Image and Signal Processing, CISP 2010, vol. 4, pp. 1853-1858, 2010.	Scopus	5	4
12	Mitrea, D., Nedevschi, S., Lupsor, M., Socaci, M., Badea, R.	Advanced classification methods for improving the automatic diagnosis of the hepatocellular carcinoma, based on ultrasound images, in 2010 IEEE International Conference on Automation, Quality and Testing, Robotics, AQTR 2010 - Proceedings, vol. 2, pp. 265-270, 2010.	Scopus	5	4
13	Radu Badea, Monica Lupsor, H. Stefanescu, Sergiu Nedevschi, Delia Mitrea, A. Serban, Tudor Vasile	Ultrasonography contribution to the detection and characterization of hepatic restructuring: is the virtual biopsy taken into consideration?, in Journal of gastrointestinal and liver diseases: JGLD, vol. 15, no. 2, pp. 189-194-2006.	Scopus	6	3.333333333
14	S. Nedevschi, D. Mitrea	Contour detection based on active contour models, in Bulletin of Applied Mathematics and Computer Science, vol. 2275, pp. 107-118, 2003.	Google Scholar	2	10
15	D. Mitrea, S. Nedevschi, B. Fratila, Monica Lupsor	Texture-based methods in biomedical image recognition of diffuse liver diseases, in International Conference on System Theory, SINTES, vol. 12, pp. 20-22, 2005.	Google Scholar	4	5
16	Delia Mitrea, S. Nedevschi, C. Cenan, Monica Lupsor, Radu Badea	Exploring texture-based parameters for noninvasive detection of diffuse liver diseases and liver cancer from ultrasound images, in Proceedings of the 8th WSEAS international conference on Mathematical methods and computational techniques in electrical engineering, pp. 259-265, 2006.	Google Scholar	5	4
17	D. Mitrea, S. Nedevschi, M. Lupsor, R. Badea	Textural models based on ultrasound images for the detection of hepatocellular carcinoma in early and advanced stages, in NAUN International Journal on Computers, vol. 2, no. 1, pp. 66-73, 2008.	Google Scholar	4	5
18	D Mitrea, S Nedevschi, D Gorgan	Evaluarea stării emoționale pe baza poziției corpului uman, prin metode ale viziunii computerizate, Conferința Națională de Interacțiune Om-Calculator, RoCHI 2009, <a href="http://rochi.utcluj.ro/riroc/articole/RoCHI-2009/RoCHI-2009-Mitrea.pdf">http://rochi.utcluj.ro/riroc/articole/RoCHI-2009/RoCHI-2009-Mitrea.pdf</a>	Google Scholar	3	6.666666667



19	D. Mitrea, S. Nedevschi, D. Gorgan	Recunoasterea expresiei faciale prin metode ale viziunii computerizate, Conferinta Nationala de Interactiune Om-Calculator, RoCHI 2010, <a href="http://rochi.utcluj.ro/rtioc/articole/RoCHI-2010/RoCHI-2010-Mitrea.pdf">http://rochi.utcluj.ro/rtioc/articole/RoCHI-2010/RoCHI-2010-Mitrea.pdf</a>	Google Scholar	3	6.666666667
20	D. Mitrea, S. Nedevschi, M. Lupsor, M. Socaciu, R. Badea	Improving the textural model of the hepatocellular carcinoma through multiclass division using clustering methods, Automation, Computers, Applied Mathematics (ACAM), Nr. 3, Vol. 19, Pp. 409-415, 2010, ISSN: 1221-437X	Google Scholar	5	4
21	D. Mitrea, P. Mitrea, R. Badea, M. Socaciu, L. Ciobanu, A. Golea, C. Hagiu, A. Seicean	Relevant feature selection and automatic recognition of the inflammatory bowel diseases and colon cancer from B-mode and contrast-enhanced ultrasound images, Automation, Computers, Applied Mathematics (ACAM), Nr. 3, Vol. 19, Pp. 403-409, 2010, ISSN: 1221-437X	Google Scholar	8	2.5
22	D. Mitrea, S. Nedevschi, M. Lupsor, M. Socaciu, R. Badea	Improving the imagistic textural model of the hepatocellular carcinoma through dimensionality reduction techniques and classifier combinations, Automat. Comput. Appl. Math., Volume 18, Number 2, pp. 218-223, 2009, ISSN: 1221-437X	Google Scholar	5	4
23	D. Mitrea, S. Nedevschi, P. Mitrea, M. Lupsor, M. Socaciu, T. Pop, O. Moşteanu, R. Badea	The Imagistic Textural Model of the Hepatocellular Carcinoma. Comparisons, discussions, conclusions, Automation Computers Applied Mathematics (ACAM); vol. 17, nr. 1, 2008, pp. 29-35, ISSN: 1221-437X	Google Scholar	8	2.5
24	R. Badea, T. Pop, M. Socaciu, O. Moşteanu, C. Caraianni, M. Lupsor, P. Raica, M. Nămsor, L. Niclaea, D. Mitrea, M. Lupsor, S. Nedevschi	The value of the ultrasound image processing procedures, combined with circulation assessment and mathematical modelling techniques for HCC characterization, nature specification and disease prognosis, Automation Computers Applied Mathematics (ACAM); vol. 17, nr. 1, 2008, pp. 18-27, ISSN: 1221-437X	Google Scholar	12	1.666666667
25	S. Nedevschi, I. Salomie, R. Potolea, M. Dinşorcanu, R. Badea, A. Flores, I. Coman, B. Petruş, D. Mitrea, C. Vidrighin-Braiu, O. Danca, C.-B. Pop	Intelligent system for assisting the therapeutic decision at patients with prostate cancer - INTELPRO*, Automation Computers Applied Mathematics (ACAM); vol. 17, nr. 1, 2008, pp. 36-46, ISSN: 1221-437X	Google Scholar	12	1.666666667
26	R. Badea, M. Lupsor, H. Stăfănescu, C. Viţaş, D. Mitrea, M. Socaciu, S. Nedevschi	Integrated procedures of evaluating the hepatic morphology for the non-invasive detection and quantification of stenosis and fibrosis based on the ultrasound diagnosis, Automation Computers Applied Mathematics (ACAM); vol. 17, nr. 1, 2008, pp. 1-11, ISSN: 1221-437X	Google Scholar	7	2.857142857
27	D. Mitrea, S. Nedevschi, M. Lupsor, R. Badea, I. Coman	Exploring the textural parameters of ultrasound images to build an imagistic model for prostatic adenocarcinoma (ADKAP), Journal of Automation, Computers and Applied Mathematics, vol. 16, no. 3, 2007, pp. 11-19, ISSN: 1221-437X	Google Scholar	5	4
Total punctaj A2.2.					

129.3571429

A2.4.1. Granturi/proiecte castigate prin competitie: director/responsabil de proiect

Nr.	Tip: nat / internat.	Denumire proiect	Perioada	Nr. Ani	Punctaj
1	National	Contract CNCIS, tip TD, cod CNCIS 268, Recunoaştere de Forme, Reconstrucţie 3D şi Urmărire Transformărilor Spaţio-Temporale ale Texturilor cu Aplicaţii în Domeniul Interacţiunii Om-Maşină şi al Roboţilor Autonomi - director de proiect	2005-2008	3	30
2	National	Parteneriat interuniversitar pentru excelenţa în Inginerie - PARTING* prin contract de finanţare nr. POSDRU/159/1.5/137516, proiect cofinanţat din Fondul Social European prin Programul Operaţional Sectorial Dezvoltarea Resurselor Umane; sub-proiect: "Dezvoltarea de metode avansate de analiză a texturilor pentru construirea unor modele imagistice cu aplicaţii în studiul stadiilor de evoluţie a patologiilor în imagistica medicală, precum şi în recunoaşterea, urmărirea şi înţelegerea unor scenarii din lumea reală" - responsabil sub-proiect (bursa postdoctorală) - 18 luni	2014-2015	1.5	15
3	Proiect Intern UTCN	Proiectarea şi dezvoltarea unui pachet de aplicaţii pe mobil pentru raportarea calitatii, îmbunătăţirea produsului şi intervenţii de siguranţă, Contract UTCN DMCDI Nr. 1921/23.05.2016, Beneficiar Csi Industries B.V. (Olanda), director de modul: interfaţa	2016-2017	1	10
					55

A2.4.2. Granturi/proiecte castigate prin competitie: membru în echipa

Nr.	Tip: nat / internat.	Denumire proiect	Perioada	Nr. Ani	Punctaj
1	International	SemNat: Semantic Models and Technologies for Natural Computing, CAPABILITIES, pro	2012-2014	2	8
					8

2	International	Contract FP7/ Subcontract nr. 11883/26.05.2009 la Contract nr. 033838; Design for All for inclusion. Institute coordonatoare: IFAC-CNR Firenze (Italy)	2009-2011	2	8
3	National	"Tehnici de percepție activă pentru manipulare flexibilă a obiectelor în fabricația inteligentă" (TEAMFIT), PNII-CE-CO-BG 2016 (Budget Grant, 2016-2018)	2016-2018	2	4
4	National	Proiect-PNII-PCCA - "Dezvoltarea unei metode de detecție și izolare în timp real a celulelor tumorale circulante din fluxul sanguin al bolnavilor de cancer prin metode de procesare de imagine și pattern recognition"	2014-2017	3	6
5	National	Contract PNII - "Partheniate, infrastructura de suport pentru diagnostic imagistic inteligent -INDISO". Cod PN-II-PT-PCCA-2013-4-1930, coordonator: UMF Craiova, valoare totală 1.433.280 RON - membru echipă cercetare	2016-2017	1	2
6	National	Proiect CNCISIS IDEI, 833/2009 Implementarea produsului SONO YUE în diagnosticul ecografic al bolilor inflamatorii intestinale și optimizarea imaginilor prin analiză computerizată (SONODIG)	2009-2011	2	4
7	National	Contract PN2 - Parteneriate, Nr. 19862/14.09.07 Modelare prin metode și tehnici avansate, bazate pe teoria suprafețelor deformabile, aplicate în chirurgia asistată de calculator și în alte proceduri de modelare a structurilor anatomice - MODIEF	2007-2009	2	4
8	National	Parteneriate, Nr. 2001/18.09.07 GLOBALCOMP- Modele, semantici, logici și tehnologii pentru calculul global	2007-2009	2	4
9	National	Contract CEEC PNCDI VIASAN 3/2005 Teleasistență Ultrasonografică în Screeningul și Monitorizarea Hepatocarcinomului - TELEHEPASCAN	2006-2008	2	4
10	National	Contract CEEC 18CEEK-103/2005, Sistem inteligent de Asistare a Deciziei Terapeutice la Pacienții cu Cancer de Prostată - INTELPRO	2006-2008	2	4
11	National	Contract CEEC VIASAN 94/2006, Fiecul gras nealcoolcic, hepatita virală C și litiaza biliară - Componente ale sindromului metabolic (FINALISM) - membru echipă cercetare	2006-2008	2	4
12	National	Contract CEEC PNCDI VIASAN 71/01.08.2006 Sistem inteligent de Detectare și Evaluare Nelinvazivă a Fibrozei, Restructurării și a Nodurilor Displazice ai Fiecului - cu ajutorul Ultrasonografiei 2D/3D și a Markerilor Moleculari - SIFE	2006-2008	2	4
13	National	Contract CEEC PNCDI VIASAN 138/01.08.2006 Predicția Evoluției și Estimarea Răspunsului la Tratamentul Tumorilor Maligne, prin Modelare Morfologică și Hemodinamică, Utilizând Tehnici Imagistice, Matematice și de Inteligență Artificială - ANGIOTUMOR	2006-2008	2	4
14	National	Contract CNCISIS Tip A, nr 1255/2006, Metode și Algoritmi matematici avansați din Teoria Modelelor Deformabile cu Aplicații în Procesarea Imaginilor și în Tehnica Medicală, membru echipă cercetare	2006-2008	2	4
15	National	Contract CNCISIS 7520, Tip A, Sisteme Informaționale Colaborative în Economia Globală- membru echipă cercetare	2005-2007	2	4
16	National	Contract INFOSOC nr. 123/16.08.2004 Mediu integrat multimedia pentru generarea lecțiilor on-line folosit în învățământul la distanță MMGEN, membru echipa de cercetare; valoare totală: 60.000 RON	2005-2007	2	4
17	National	Contract SITC cu Consiliul Județean Cluj: Platforma pentru Centre de Excelență - Contract cu tert	2003-2004	1	2
18	National	Contract SITC cu USAMV: Site-ul Universității de Științe Agricole și Medicina Veterinară - Contract cu tert	2003-2004	1	2
19	National	Proiect POSDRU 21/1.5/G/37486, 2010 Instrument Informațional pentru creșterea calității, vizibilității și interdisciplinarității programelor doctorale	2010-2012	2	4
20	National	MUSAȚIN - Management universitar superior prin sprijinul tehnologiei informației, POSDRU/86/1.2/5/61916, perioada de derulare 1/3/2011 - 28/02/2014	2011-2014	3	6
21	National	Proiect POSCE Cod SMIS 49752 "Derolvarea inovativă prin Informație a Ecosistemului Urban Cluj-Napoca", Sub-proiect: "Software platform design for smart traffic management in urban agglomerations" - 18 luni	2014-2015	1.5	3
22	National	Proiect POSCE Cod SMIS 49752 "Derolvarea inovativă prin Informație a Ecosistemului Urban Cluj-Napoca", Sub-proiect: "Computerized platform effcientizing the process flow within and between the public authorities" - 18 luni	2014-2015	1.5	3

## A3.1.1. Citați în carti, reviste și volume ale unor manifestări științifice (carti, ISI)

Nr.	Articol citat	Articol care citeaza	Numar autori art.citat	Punctaj
1	Delia Mitrea, Paulina Mitrea, Sergiu Nedevschi, Radu Badea, Monica Lupșor, Mihai Socaciu, Adela Golea, Caludia Hagiu, Lidia Ciobanu, "Abdominal Tumor Characterization and Recognition Using Superior-Order Cooccurrence Matrices, Based on Ultrasound Images", in Computational and Mathematical Methods in Medicine, 2012.	P. Bharti, D. Mittal, R. Ananthasivan, "Computer-aided Characterization and Diagnosis of Diffuse Liver Diseases Based on Ultrasound Imaging: A Review", Ultrasonic Imaging, 2016, <a href="http://journals.sagepub.com/doi/abs/10.1177/0161734616639875">http://journals.sagepub.com/doi/abs/10.1177/0161734616639875</a>	9	0.888888889
2	Mitrea D., Nedevschi S., Badea R. "The role of the superior order GLCM and of the generalized cooccurrence matrices in the characterization and automatic diagnosis of the Hepatocellular carcinoma, based on ultrasound images". In: IEEE International Conference on Intelligent ultrasound images". In: IEEE International Conference on Intelligent Computer Communication and Processing, Cluj-Napoca, 25-27 August 2011, pp. 192-204.	P. Bharti, D. Mittal, R. Ananthasivan, "Computer-aided Characterization and Diagnosis of Diffuse Liver Diseases Based on Ultrasound Imaging: A Review", Ultrasonic Imaging, 2016, <a href="http://journals.sagepub.com/doi/abs/10.1177/0161734616639875">http://journals.sagepub.com/doi/abs/10.1177/0161734616639875</a>	3	2.566666667
3	Delia Mitrea, Sergiu Nedevschi, Radu Badea, "The role of the multiresolution textural features in improving the characterization and recognition of the liver tumors, based on ultrasound images", in 14th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC, 26-29 septembrie 2012) proceedings, pp. 192-199, 2012.	K. Aggarwal et al., "The identification of liver cirrhosis with modified LBP grayscaling and Otsu binarization", SpringerPlus 2016, <a href="http://springerplus.springeropen.com/articles/10.1186/s40064-016-1970-6">http://springerplus.springeropen.com/articles/10.1186/s40064-016-1970-6</a>	3	1.333333333
4	Delia Mitrea, Sergiu Nedevschi, Mihaela Socaciu, Radu Badea, "The Role of the Superior Order GLCM in the Characterization and Recognition of the Liver Tumors from Ultrasound Images", in RADIOENGINEERING, vol. 21, no. 1, pp. 79-85, 2012.	S. Gunasundari et al., "Velocity Bounded Boolean Particle Swarm Optimization for Improved Feature selection in liver and kidney disease diagnosis", Expert Systems with Applications, Vol. 56, 2016, <a href="http://www.sciencedirect.com/science/article/pii/S0957417416300756">http://www.sciencedirect.com/science/article/pii/S0957417416300756</a>	4	2
5	D. Mitrea, M. Socaciu, R. Badea, and A. Golea, "Texture based characterization and automatic diagnosis of the abdominal tumors from ultrasound images using third order GLCM features," in Proc. 4th Int. Congr. Image Signal Process. (CISP), Shanghai, China, Oct. 2011, pp. 1558-1562.	R. Sharan, et al., "An overview of applications and advancements in automatic sound recognition", Neurocomputing, Vol. 200, 2016, <a href="http://www.sciencedirect.com/science/article/pii/S0925231216300406">http://www.sciencedirect.com/science/article/pii/S0925231216300406</a>	4	2
6	D. Mitrea, S. Nedevschi, B. Fratila, Monica Lupșor, "Texture-based methods in biomedical image recognition of diffuse liver diseases", in International Conference on System Theory, SINTES, vol. 12, pp. 20-22, 2005.	R. Krishnan et al., "Focal and diffused liver disease classification from ultrasound images based on isocontour segmentation", IET Image Processing, Vol. 9, Issue 14, 2015, <a href="http://ieeexplore.ieee.org/xpl/login.jsp?tp=&amp;arnumber=7073747&amp;url=http%3A%2F%2Fieeexplore.ieee.org%2Fxp%2Fabs_all.jsp%3Farnumber%3D7073747">http://ieeexplore.ieee.org/xpl/login.jsp?tp=&amp;arnumber=7073747&amp;url=http%3A%2F%2Fieeexplore.ieee.org%2Fxp%2Fabs_all.jsp%3Farnumber%3D7073747</a>	4	2
7	Delia Mitrea, Paulina Mitrea, Sergiu Nedevschi, Radu Badea, Monica Lupșor, Mihai Socaciu, Adela Golea, Caludia Hagiu, Lidia Ciobanu, "Abdominal Tumor Characterization and Recognition Using Superior-Order Cooccurrence Matrices, Based on Ultrasound Images", in Computational and Mathematical Methods in Medicine, 2012.	N. Matsumoto et al., "Quantitative sonographic image analysis for hepatic nodules: a pilot study", Journal of Medical Ultrasonics 42(4), March 2015 (Impact Factor: 0.615 - DOI: 10.1007/s10396-015-0627-3), <a href="https://www.researchgate.net/publication/277656202_Quantitative_sonographic_image_analysis_for_hepatic_nodules_a_pilot_study">https://www.researchgate.net/publication/277656202_Quantitative_sonographic_image_analysis_for_hepatic_nodules_a_pilot_study</a>	9	0.888888889
8	Delia Mitrea, Paulina Mitrea, Sergiu Nedevschi, Radu Badea, Monica Lupșor, Mihai Socaciu, Adela Golea, Caludia Hagiu, Lidia Ciobanu, "Abdominal Tumor Characterization and Recognition Using Superior-Order Cooccurrence Matrices, Based on Ultrasound Images", in Computational and Mathematical Methods in Medicine, 2012.	L. Nanni, S. Brahmam, et al. "Improving the descriptors extracted from the co-occurrence matrix using preprocessing approaches", Expert Systems with Applications 42(22) - July 2015 (Impact Factor: 2.24 - DOI: 10.1016/j.eswa.2015.07.055), <a href="https://www.researchgate.net/publication/282563645_Improving_the_descriptors_extracted_from_the_co-occurrence_matrix_using_preprocessing_approaches">https://www.researchgate.net/publication/282563645_Improving_the_descriptors_extracted_from_the_co-occurrence_matrix_using_preprocessing_approaches</a>	9	0.888888889
9	Delia Mitrea, Paulina Mitrea, Sergiu Nedevschi, Radu Badea, Monica Lupșor, Mihai Socaciu, Adela Golea, Caludia Hagiu, Lidia Ciobanu, "Abdominal Tumor Characterization and Recognition Using Superior-Order Cooccurrence Matrices, Based on Ultrasound Images", in Computational and Mathematical Methods in Medicine, 2012.	Cecilia Di Ruberto, Giuseppe Fodde, Lorenzo Putzu, On Different Colour Spaces for Medical Colour Image Classification, Chapter Computer Analysis of Images and Patterns Volume 9256 of the series Lecture Notes in Computer Science pp 477-488, 2015, <a href="http://link.springer.com/chapter/10.1007%2F978-3-319-23192-1_40">http://link.springer.com/chapter/10.1007%2F978-3-319-23192-1_40</a>	9	0.888888889



10	D. Mitrea, M. Socaciu, R. Badea, and A. Golea, "Texture based characterization and automatic diagnosis of the abdominal tumors from ultrasound images using third order GLCM features," in Proc. 4th Int. Congr. Image Signal Process. (CISP), Shanghai, China, Oct. 2011, pp. 1558-1562.	F.A. Mukti et al., "Detection and Classification of Diabetic Retinopathy Anomalies Using Bag-of-Words Model," in Journal of Medical Imaging and Health Informatics 5(5) - September 2015 (Impact Factor: 0.503 - DOI: 10.1166/jmhi.2015.1491). <a href="https://www.researchgate.net/publication/280603355_Detection_and_Classification_of_Diabetic_Retinopathy_Anomalies_Using_Bag-of-Words_Model">https://www.researchgate.net/publication/280603355_Detection_and_Classification_of_Diabetic_Retinopathy_Anomalies_Using_Bag-of-Words_Model</a>	4	2
11	D. Mitrea, M. Socaciu, R. Badea, and A. Golea, "Texture based characterization and automatic diagnosis of the abdominal tumors from ultrasound images using third order GLCM features," in Proc. 4th Int. Congr. Image Signal Process. (CISP), Shanghai, China, Oct. 2011, pp. 1558-1562.	R. Sharan, T. Mofir, "Subband Time-Frequency Image Texture Features for Robust Audio Surveillance", IEEE TRANSACTIONS ON INFORMATION FORENSICS AND SECURITY, VOL. 10, NO. 12, DECEMBER 2015 (Impact Factor: 2.408 - DOI: 10.1109/TIFS.2015.2469254) <a href="http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7206602">http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7206602</a>	4	2
12	D. Mitrea, S. Nedevschi, C. Cenan, M. Lupsor, R. Badea, "Exploring texture based parameters for noninvasive detection of diffuse liver diseases and liver cancer from ultrasound images", in Proceedings of the 8th WSEAS International conference on Mathematical methods and computational techniques in electrical engineering, pp. 259-285, 2006.	E. Gocer et al, "Quantification of liver fat: A comprehensive review", Computers in Biology and Medicine, Vol. 71, 1 April 2016, pp. 174-189. <a href="http://www.sciencedirect.com/science/article/pii/S0010482516300427">http://www.sciencedirect.com/science/article/pii/S0010482516300427</a>	5	1.6
13	M. Lupsor, R. Badea, S. Nedevschi, D. Mitrea, M. Florea, "Ultrasonography contribution to hepatic steatosis quantification. Possibilities of improving this method through computerized analysis of ultrasonic image", in 2006 IEEE-FTTC International Conference on Automation, Quality and Testing, Robotics, Vol 2, Proceedings, pp. 478-483, 2006	E. Gocer et al, "Quantification of liver fat: A comprehensive review", Computers in Biology and Medicine, Vol. 71, 1 April 2016, pp. 174-189. <a href="http://www.sciencedirect.com/science/article/pii/S0010482516300427">http://www.sciencedirect.com/science/article/pii/S0010482516300427</a>	5	1.6
14	M. Lupsor, R. Badea, S. Nedevschi, D. Mitrea, M. Florea, "Ultrasonography contribution to hepatic steatosis quantification. Possibilities of improving this method through computerized analysis of ultrasonic image", in 2006 IEEE-FTTC International Conference on Automation, Quality and Testing, Robotics, Vol 2, Proceedings, pp. 478-483, 2006	S. Kim et al, "Application of Texture Analysis in the Differential Diagnosis of Benign and Malignant Thyroid Nodules: Comparison With Gray-Scale Ultrasound and Elastography", American Journal of Roentgenology, Vol. 205, No. 3, 2015. <a href="http://www.ajronline.org/doi/abs/10.2214/AJR.14.13825">http://www.ajronline.org/doi/abs/10.2214/AJR.14.13825</a>	5	1.6
15	D. Mitrea, S. Nedevschi, C. Cenan, M. Lupsor Platon.: "Exploring texture-based parameters for non-invasive detection of diffuse liver diseases: and liver cancer from ultrasound images". In Proceedings of MMACTEE'06 Proceedings of the 8th WSEAS International Conference on Mathematical Methods and Computational Techniques in Electrical Engineering, pp. 259-265 (2006)	Nimisha Manth, Jitendra Virmani, Vinod Kumar, Naveen Kalra, Niranjan Khandelwal, "Application of Texture Features for Classification of Primary Benign and Primary Malignant Focal Liver Lesions", Chapter Image Feature Detectors and Descriptors, Volume 630 of the series Studies in Computational Intelligence pp 385-409, 23 februarie 2016, <a href="http://link.springer.com/chapter/10.1007%2F978-3-319-28854-3_15">http://link.springer.com/chapter/10.1007%2F978-3-319-28854-3_15</a>	4	2
16	Mitrea, D., Nedevschi, S., Lupsor, M., Socaciu, M., Badea, R.: "Improving the textural model of the hepatocellular carcinoma using dimensionality reduction methods". In: 2nd International Congress on Image and Signal Processing, 2009. CISP '09. vol.1, Issue 5, pp. 17-19 (2009)	Nimisha Manth, Jitendra Virmani, Vinod Kumar, Naveen Kalra, Niranjan Khandelwal, "Application of Texture Features for Classification of Primary Benign and Primary Malignant Focal Liver Lesions", Chapter Image Feature Detectors and Descriptors, Volume 630 of the series Studies in Computational Intelligence pp 385-409, 23 februarie 2016, <a href="http://link.springer.com/chapter/10.1007%2F978-3-319-28854-3_15">http://link.springer.com/chapter/10.1007%2F978-3-319-28854-3_15</a>	5	1.6
17	Mitrea, D., Nedevschi, S., Lupsor, M., Socaciu, M., Badea, R.: "Advanced classification methods for improving the automatic diagnosis of the hepatocellular carcinoma, based on ultrasound images". In: 2010 IEEE International Conference on Automation Quality and Testing Robotics (AQTR), vol. 2, Issue 1, pp. 1-6 (2010)	Nimisha Manth, Jitendra Virmani, Vinod Kumar, Naveen Kalra, Niranjan Khandelwal, "Application of Texture Features for Classification of Primary Benign and Primary Malignant Focal Liver Lesions", Chapter Image Feature Detectors and Descriptors, Volume 630 of the series Studies in Computational Intelligence pp 385-409, 23 februarie 2016, <a href="http://link.springer.com/chapter/10.1007%2F978-3-319-28854-3_15">http://link.springer.com/chapter/10.1007%2F978-3-319-28854-3_15</a>	5	1.6

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19	D. Mitrea, S. Nedevschi, C. Cenan, M. Lupșor Platon, "Exploring Texture-Based Parameters for Noninvasive Detection of Diffuse Liver Diseases and Liver Cancer from Ultrasound Images", in Proceedings of the 8th WSEAS International conference on Mathematical Methods and Computational Techniques in Electrical Engineering, pp. 259-265, 2006.	P. Bhardi, R. Ananthasivan, D. Mittal, "Computer-Aided Characterization and Diagnosis of Diffuse Liver Diseases Based on Ultrasound Imaging: A Review", in Ultrasonic Imaging (Impact Factor: 0.912 - DOI: 10.1177/0161734616639875), April 2016. <a href="https://www.researchgate.net/publication/301563858_Computer-Aided_Characterization_and_Diagnosis_of_Diffuse_Liver_Diseases_Based_on_Ultrasound_Imaging_A_Review">https://www.researchgate.net/publication/301563858_Computer-Aided_Characterization_and_Diagnosis_of_Diffuse_Liver_Diseases_Based_on_Ultrasound_Imaging_A_Review</a>	4	2
20	D. Mitrea, S. Nedevschi, M. Lupșor, R. Badea, "Classification of the Hepatocellular Carcinoma in Ultrasound Images Based on the Imagistic Textural Model of This Tumor", in INTERNATIONAL CONFERENCE ON ADVANCEMENTS OF MEDICINE AND HEALTH CARE THROUGH TECHNOLOGY, IFMBE Proceedings, vol. 26, pp. 267-272, 2009.	O. Al Kadi, C. Coussios, D. Chung, J.A. Noble, "Heterogeneous Tissue Characterization Using Ultrasound: A Comparison of Fractal Analysis Backscatter Models on Liver Tumors", Ultrasonnd in medicine & biology (Impact Factor: 2.21 - DOI: 10.1016/j.ultrasmedbio.2016.02.007), April 2016. <a href="http://www.umbjournal.org/article/S0301-5629(16)00099-5/references">http://www.umbjournal.org/article/S0301-5629(16)00099-5/references</a>	4	2
21	Mitrea, D., Nedevschi, S., Badea, R., "The role of the superior order GLCM and of the generalized cooccurrence matrices in the characterization and automatic diagnosis of the hepatocellular carcinoma, based on ultrasound images", in Proceedings - 2011 IEEE 7th International Conference on Intelligent Computer Communication and Processing, ICCP 2011, pp. 197-204, 2011.	P.Liu et al, "Water wave visualization simulation using feedback of image texture analysis", in Multimedia Tools and Applications, Vol. 74, Issue 19, September 2013. <a href="http://link.springer.com/article/10.1007/s11042-013-1683-6">http://link.springer.com/article/10.1007/s11042-013-1683-6</a>	3	2.666666667
22	Delia Mitrea, Paulina Mitrea, Sergiu Nedevschi, Radu Badea, Monica Lupșor, Mihai Socaciu, Adela Golea, Caludia Hagiu, Lidia Ciobanu, "Abdominal Tumor Characterization and Recognition Using Superior-Order Cooccurrence Matrices, Based on Ultrasound Images", in Computational and Mathematical Methods in Medicine, 2012.	Yechun Peng, Li Li, Wenyong Hu, Yanxia Peng, Lishi Liu, Yuznhi Shao, "Computerized Segmentation and Characterization of Breast Lesions in Dynamic Contrast-Enhanced MR Images Using Fuzzy c-Means Clustering and Snake Algorithm", Computational and Mathematical Methods in Medicine (Impact Factor: 0.766). 01/2012, DOI:10.1155/2012/634907	9	0.888888889
23	Delia Mitrea, Paulina Mitrea, Sergiu Nedevschi, Radu Badea, Monica Lupșor, Mihai Socaciu, Adela Golea, Caludia Hagiu, Lidia Ciobanu, "Abdominal Tumor Characterization and Recognition Using Superior-Order Cooccurrence Matrices, Based on Ultrasound Images", in Computational and Mathematical Methods in Medicine, 2012.	Loris Nanni, Sheryl Brahmam, Stefano Ghidoni, Emanuele Menegatti, Tonya Barrier, Different Approaches for Extracting Information from the Co-Occurrence Matrix, PLOS ONE (Impact Factor: 3.53), Vol. 8, No. 12, 01/2013; pp. 1-9, DOI:10.1371/journal.pone.0083554	9	0.888888889
24	Delia Mitrea, Paulina Mitrea, Sergiu Nedevschi, Radu Badea, Monica Lupșor, Mihai Socaciu, Adela Golea, Caludia Hagiu, Lidia Ciobanu, "Abdominal Tumor Characterization and Recognition Using Superior-Order Cooccurrence Matrices, Based on Ultrasound Images", in Computational and Mathematical Methods in Medicine, 2012.	L. Alic, W. Niessen, J. Veenland, Quantification of Heterogeneity as a Biomarker in Tumor Imaging: A Systematic Review, PLOS ONE (Impact Factor: 3.234), 10/2014; #101e110300. DOI:10.1371/journal.pone.0110300	9	0.888888889
25	Delia Mitrea, Paulina Mitrea, Sergiu Nedevschi, Radu Badea, Monica Lupșor, Mihai Socaciu, Adela Golea, Caludia Hagiu, Lidia Ciobanu, "Abdominal Tumor Characterization and Recognition Using Superior-Order Cooccurrence Matrices, Based on Ultrasound Images", in Computational and Mathematical Methods in Medicine, 2012.	Lakshmi Devan, R.Santosham, R. Haritharan, L. Devan, R.Santosham, R. Haritharan, "Automated Texture-Based Characterization of Fibrosis and Carcinoma Using Low-Dose Lung CT Images", International Journal of Imaging Systems and Technology (Impact factor: 1.301), Vol. 24, Issue 1, pp. 39-44, February 2014. <a href="http://onlinelibrary.wiley.com/doi/10.1002/ima.22077/references">http://onlinelibrary.wiley.com/doi/10.1002/ima.22077/references</a>	9	0.888888889

26	Delia Mitrea, Paulina Mitrea, Sergiu Nedevschi, Radu Badea, Monica Lupsor, Mihai Socaciu, Adela Golea, Catalina Hagiu, Lidia Ciobanu, "Abdominal Tumor Characterization and Recognition Using Superior-Order Cooccurrence Matrices, Based on Ultrasound Images", in Computational and Mathematical Methods in Medicine, 2012.	Lakshmi Devan, Santhosham, R Ranganathan, H.Ranganathan, "Comparison of Texture Analysis in the differentiation of Carcinoma from Oiler Lung Abnormalities Using Low Dose CT Images", 1st IEEE-EMBS Special Topic Conference on Point-of-Care (POCT) Healthcare Technologies (PHIT), Bangalore, India, 2013. <a href="http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=6461317&amp;tag=1">http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=6461317&amp;tag=1</a>	9	0.888888889
27	Delia Mitrea, Paulina Mitrea, Sergiu Nedevschi, Radu Badea, Monica Lupsor, Mihai Socaciu, Adela Golea, Catalina Hagiu, Lidia Ciobanu, "Abdominal Tumor Characterization and Recognition Using Superior-Order Cooccurrence Matrices, Based on Ultrasound Images", in Computational and Mathematical Methods in Medicine, 2012.	Devan Lakshmi: Santhosham Roy: Hariharan Ranganathan, "Non-Invasive Method of Characterization of Fibrosis and Carcinoma Using Low-Dose Lung CT Images". 2013 IEEE International Conference on Systems, Man, and Cybernetics (SMC 2013)	9	0.888888889
28	M. Lupsor, R. Badea, S. Nedevschi, D. Mitrea, M. Florea, "Ultrasonography contribution to hepatic steatosis quantification. Possibilities of improving this method through computerized analysis of ultrasonic image", in 2006 IEEE-TTTC International Conference on Automation, Quality and Testing, Robotics, Vol 2, Proceedings, pp. 478-483, 2006	Fayaz ul Amir Afsar Minhas, Durre Sabih, Mudawarra Hussain, "Automated Classification of Liver Disorders using Ultrasound Images", Journal of Medical Systems (Impact factor: 2.213), October 2012, Volume 36, Issue 5, pp 3163-3172. <a href="http://link.springer.com/article/10.1007/s10916-011-9803-1">http://link.springer.com/article/10.1007/s10916-011-9803-1</a>	5	1.6
29	Mitrea D, Nedevschi S, Lupsor M, Socaciu M, Badea R: Improving the textural model of the hepatocellular carcinoma using dimensionality reduction methods. In: Proceedings of International Congress on Image and Signal Processing, CISP-2009. IEEE, Tianjin, China 2009, pp 1-5	Jitendra Virmani, Vinod Kumar, Naveen Kalra, Niranjan Khandelwal, "SVM-Based Characterization of Liver Ultrasound Images Using Wavelet Packet Texture Descriptors", Journal of Digital Imaging (Impact factor: 1.19), Vol. 26, no. 3, June 2013. <a href="http://link.springer.com/article/10.1007/s10278-012-9537-8">http://link.springer.com/article/10.1007/s10278-012-9537-8</a>	5	1.6
30	D. Mitrea, S. Nedevschi, C. Canan, M. Lupsor, R. Badea, "Exploring texture based parameters for noninvasive detection of diffuse liver diseases and liver cancer from ultrasound images", in Proceedings of the 8th WSEAS international conference on Mathematical methods and computational techniques in electrical engineering, pp. 259-265, 2006.	Jitendra Virmani, Vinod Kumar, Naveen Kalra, Niranjan Khandelwal, "SVM-Based Characterization of Liver Ultrasound Images Using Wavelet Packet Texture Descriptors", Journal of Digital Imaging (Impact factor: 1.19), Vol. 26, no. 3, June 2013. <a href="http://link.springer.com/article/10.1007/s10278-012-9537-8">http://link.springer.com/article/10.1007/s10278-012-9537-8</a>	5	1.6
31	D.Mitrea, M.Socaciu, R.Badea, A.Golea, "Texture Based Characterization and Automatic Diagnosis of the Abdominal Tumors from Ultrasound Images using Third Order GLCM Features", 4th International Congress on Image and Signal Processing (CISP), Vol. 3 ,pp. 1558 - 1562,TBD Shanghai, China,15-17 Oct. 2011.	S. Rathore, M. Hussain, "Ensemble classification of colon biopsy images based on information rich hybrid features", Computers in biology and medicine (Impact Factor: 1.24), 01/2014; 47C:76-92, <a href="http://dx.doi.org/citation/doi/10.1016/j.cbi.2013.11.006">http://dx.doi.org/citation/doi/10.1016/j.cbi.2013.11.006</a>	4	2
32	Mitrea D, Nedevschi S, Lupsor M, Socaciu M, Badea R: "Experimenting various classification techniques for improving the automatic diagnosis of the malignant liver tumors based on ultrasound images". In: Proceedings of International Congress on Image and Signal Processing, CISP-2010. IEEE, Yantai, China, 2010, pp 1853-1858	Jaime Santos, José Silvestre Silva, Andreia Andrade Santos, Pedro Belo-Soares, "Detection of pathologic liver using ultrasound images", Biomedical Signal Processing and Control (Impact Factor: 1.419), Volume 14, November 2014, Pages 248-255. <a href="http://www.sciencedirect.com/science/article/pii/S174680941400130X">http://www.sciencedirect.com/science/article/pii/S174680941400130X</a>	5	1.6
33	D. Mitrea, S. Nedevschi, M. Lupsor, M. Socaciu, R. Badea, Advanced classification methods for improving the automatic diagnosis of the hepatocellular carcinoma, based on ultrasound images, in 2010 IEEE International Conference on Automation, Quality and Testing, Robotics, AQTR 2010 - Proceedings, vol. 2, pp. 265-270, 2010.	Erdem Alkim, Emre Gürbüz, Erdal Kilic, "A fast and adaptive automated disease diagnosis method with an innovative neural network model", Neural Networks (Impact factor: 2.708), Volume 33, September 2012, Pages 88-96, <a href="http://dx.doi.org/citation/doi/10.1016/j.neunet.2012.07.011">http://dx.doi.org/citation/doi/10.1016/j.neunet.2012.07.011</a>	5	1.6
34	Radu Badea, Monica Lupsor, H. Stefanescu, Sergiu Nedevschi, Delia Mitrea, A. Serban, Tudor Vasile, "Ultrasonography contribution to the detection and characterization of hepatic restructuring: is the virtual biopsy taken into consideration?", in Journal of gastrointestinal and liver diseases: IGLD, vol. 15, no. 2, pp. 189-194-2006.	Forte Raimondo, Carmelo Guida, Breve Maria Angelica, "Three-Dimensional Ultrasound of Ophthalmic Pathologies", OPHTHALMOLOGICA (Impact factor 1.676), Volume: 223 (issue: 3) Pages: 183-187 Published: 2009	7	1.142857143

35	Radu Badea, Monica Lupșor, H. Ștefănescu, Sergiu Nedevschi, Delia Mitrea, A. Serban, Tudor Vasile, "Ultrasound contribution to the detection and characterization of hepatic restructuring: is the virtual biopsy taken into consideration?", in Journal of gastrointestinal and liver diseases: JGLD, vol. 15, no. 2, pp. 189-194-2006.	Mircea Dragotanu, Ioan A. Balea, Liliana A. Dinu, et al. "Staging of portal hypertension and portosystemic shunts using dynamic nuclear medicine investigations", World Journal of Gastroenterology, Volume 14, Issue 24, Pages: 3841-3848, Jun 28 2008, <a href="http://www.ncbi.nlm.nih.gov/pmc/articles/PMC271440/">http://www.ncbi.nlm.nih.gov/pmc/articles/PMC271440/</a>	7	1.142857143
36	Radu Badea, Monica Lupșor, H. Ștefănescu, Sergiu Nedevschi, Delia Mitrea, A. Serban, Tudor Vasile, "Ultrasound contribution to the detection and characterization of hepatic restructuring: is the virtual biopsy taken into consideration?", in Journal of gastrointestinal and liver diseases: JGLD, vol. 15, no. 2, pp. 189-194-2006.	Guokuan Li, Yu Luo, Wei Deng, et al., Computer Aided Diagnosis of Fatty Liver Ultrasonic Images Based on Support Vector Machine, 30th Annual International Conference of the IEEE-Engineering-in-Medicine-and-Biology-Society, Location: Vancouver, CANADA, Date: AUG 20-24, 2008, Pages: 4768-4771	7	1.142857143
37	Mitrea, A. I., Badea, R., Mitrea, D., Nedevschi, S., Mitrea, P., Ivan, D. M., Gurzeau, O.M.(2012). "Iterative methods for obtaining energy-minimizing parametric snakes with applications to medical imaging". Computational and Mathematical Methods in Medicine, 2012	M. Becker, N. Magnenat-Thalmann, "Deformable models in medical image segmentation", Chapter 4 in 3D Multiscale Physiological Human, pp 81-106, 2014, Editors: Nadia Magnenat-Thalmann, Osman Ratib, Hor Fal Choi (ISBN: 978-1-4471-6274-2 (Print) 978-1-4471-6275-9 (Online), Springer, <a href="http://link.springer.com/chapter/10.1007/978-1-4471-6275-9_4">http://link.springer.com/chapter/10.1007/978-1-4471-6275-9_4</a>	7	1.142857143
Total punctaj: A3.1.1. 55.12698413				

A3.2.2. Citari in carti, reviste si volume ale unor manifestari stiintifice (BD)

Nr.	Articol citat	Articol care citeaza	Numar autori art.citat	Punctaj
1	R. Chifor, M. Badea, D. Mitrea, I. Badea, M. Crisan, I. Chifor, R. Avram, "Computer-assisted identification of the gingival sulcus and periodontal epithelial junction on high-frequency ultrasound images". Medical Ultrasonography, 2015	R. Supriyanti, S. Suwito, Y. Ramadhani, H. Budi Widodo, T. Ida Rosanti, "Brightness and Contrast Modification in Ultrasonography Images Using Edge Detection Results". Telkomnika Telecommunication, Computing, Electronics and Control, 2016, <a href="http://journal.uad.ac.id/index.php/TELKOMNIKA/article/view/3440">http://journal.uad.ac.id/index.php/TELKOMNIKA/article/view/3440</a>	7	0.571428571
2	De a Mitrea, Sergiu Nedevschi, Radu Badea, "The role of the multiresolution textural features in improving the characterization and recognition of the liver tumors, based on ultrasound images", in 14th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNAS-26-29 September 2012), proceedings, pp. 1562, TBD Shanghai, China, 15-17 Oct. 2011.	K. Aggarwal et al., "Modification of LBP for detecting liver cirrhosis from b-mode ultrasound images", 2015 2nd International Conference on Recent Advances in Engineering & Computational Sciences, <a href="http://ieeexplore.ieee.org/xpl/login.jsp?tp=&amp;arnumber=7453313&amp;url=http%3A%2F%2Fieexplore.ieee.org%2Fxp%2Fabs_all.jsp%3Farnumber%3D7453313">http://ieeexplore.ieee.org/xpl/login.jsp?tp=&amp;arnumber=7453313&amp;url=http%3A%2F%2Fieexplore.ieee.org%2Fxp%2Fabs_all.jsp%3Farnumber%3D7453313</a>	3	1.333333333
3	D. Mitrea, M. Socaci, R. Badea and A. Golea, "Texture Based Characterization and Automatic Diagnosis of the Abdominal Tumors from Ultrasound Images using Third Order GLCM Features", 4th International Congress on Image and Signal Processing (CISP), Vol. 3, PP. 1558 - 1562, TBD Shanghai, China, 15-17 Oct. 2011.	S. Khai Tai et al. "Feature Selection and Analysis of Diffraction Images", 2015 IEEE International Conference on Software Quality, Reliability and Security - Companion (QRS-C), <a href="http://ieeexplore.ieee.org/xpl/login.jsp?tp=&amp;arnumber=7322128&amp;url=http%3A%2F%2Fieexplore.ieee.org%2Fxp%2Fabs_all.jsp%3Farnumber%3D7322128">http://ieeexplore.ieee.org/xpl/login.jsp?tp=&amp;arnumber=7322128&amp;url=http%3A%2F%2Fieexplore.ieee.org%2Fxp%2Fabs_all.jsp%3Farnumber%3D7322128</a>	4	1
4	D. Mitrea, M. Socaci, R. Badea and A. Golea, "Texture Based Characterization and Automatic Diagnosis of the Abdominal Tumors from Ultrasound Images using Third Order GLCM Features", 4th International Congress on Image and Signal Processing (CISP), Vol. 3, PP. 1558 - 1562, TBD Shanghai, China, 15-17 Oct. 2011.	R. Sharan, "Robust audio surveillance using spectrogram image texture feature", 2015 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP), <a href="http://ieeexplore.ieee.org/xpl/login.jsp?tp=&amp;arnumber=7178312&amp;url=http%3A%2F%2Fieexplore.ieee.org%2Fxp%2Fabs_all.jsp%3Farnumber%3D7178312">http://ieeexplore.ieee.org/xpl/login.jsp?tp=&amp;arnumber=7178312&amp;url=http%3A%2F%2Fieexplore.ieee.org%2Fxp%2Fabs_all.jsp%3Farnumber%3D7178312</a>	4	1
5	D. Mitrea, M. Socaci, R. Badea and A. Golea, "Texture Based Characterization and Automatic Diagnosis of the Abdominal Tumors from Ultrasound Images using Third Order GLCM Features", 4th International Congress on Image and Signal Processing (CISP), Vol. 3, PP. 1558 - 1562, TBD Shanghai, China, 15-17 Oct. 2011.	C. Sompong et al., "MRI brain tumor segmentation using GLCM cellular automata-based texture feature", 2014 International Computer Science and Engineering Conference (ICSECI), <a href="http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&amp;arnumber=6978193">http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&amp;arnumber=6978193</a>	4	1

6	Maria Crisan, Carlo Cattani, Radu Badea, Paulina Mitrea, Mira Flores, Diana Crisan, Delia Mitrea, Razvan Bucur, Gabriela Checiches, "Modelling Cutaneous Senescence Process", in COMPUTATIONAL SCIENCE AND ITS APPLICATIONS - ICCSA 2010, PT. 2, PROCEEDINGS, vol. 6017, pp. 215-224, 2010	S.D. Delain, "Clinical Efficacy of Dermocosmetic Formulations Containing Spirulina Extract on Young and Mature Skin: Effects on the Skin Hydrolipidic Barrier and Structural Properties", Clinical Pharmacology & Biopharmaceutics 2015, <a href="http://www.omtsgroup.org/journals/clinical-efficacy-of-dermocosmetic-formulations-containing-spirulina-extract-on-young-and-mature-skin-effects-on-the-skin-hydrolipidic-barrier-and-structural-properties-2167-065X-1000144.pdf">http://www.omtsgroup.org/journals/clinical-efficacy-of-dermocosmetic-formulations-containing-spirulina-extract-on-young-and-mature-skin-effects-on-the-skin-hydrolipidic-barrier-and-structural-properties-2167-065X-1000144.pdf</a>	9	0.444444444
7	Mitrea D., Nedevschi S., Lupsor M., Socaciu M., Badea R.: Improving the textural model of the hepatocellular carcinoma using dimensionality reduction methods. In: Proceedings of International Congress on Image and Signal Processing, CISP-2009. IEEE, Tianjin, China 2009, pp 1-5	E. Constantinides et al., "Customer motives and benefits for participating in online co-creation activities", International Journal of Internet Marketing and Advertising 9(1), January 2015, (DOI: 10.1504/IJIMA.2015.068346)	5	0.8
8	Delia Mitrea, Paulina Mitrea, Sergiu Nedevschi, Radu Badea, Monica Lupsor, Mihai Socaciu, Adela Golea, Caludia Hagiu, Lidia Ciobanu, "Abdominal Tumor Characterization and Recognition Using Superior-Order Cooccurrence Matrices, Based on Ultrasound Images", in Computational and Mathematical Methods in Medicine, 2012.	C. di Ruberto, G. Fodde, L. Putzu, "Comparison of Statistical Features for Medical Colour Image Classification", Conference: International Conference on Computer Vision Systems, At Copenghan, Volume: 9165, July 2015, <a href="https://www.researchgate.net/publication/279190377_Comparison_of_Statistical_Features_for_Medical_Colour_Image_Classification">https://www.researchgate.net/publication/279190377_Comparison_of_Statistical_Features_for_Medical_Colour_Image_Classification</a>	9	0.444444444
9	Delia Mitrea, Paulina Mitrea, Sergiu Nedevschi, Radu Badea, Monica Lupsor, Mihai Socaciu, Adela Golea, Caludia Hagiu, Lidia Ciobanu, "Abdominal Tumor Characterization and Recognition Using Superior-Order Cooccurrence Matrices, Based on Ultrasound Images", in Computational and Mathematical Methods in Medicine, 2012.	V. Gaite, R. Mhaske, S. Sonawane, P. Deshmukh, "Clustering of breast cancer tumor using third order GLCM feature", International Conference on Green Computing and Internet of Things (ICGGCIOT), 2015 <a href="http://ieeexplore.ieee.org/xpl/abstractReferences.jsp?arnumber=7380481">http://ieeexplore.ieee.org/xpl/abstractReferences.jsp?arnumber=7380481</a>	9	0.444444444
10	Delia Mitrea, Paulina Mitrea, Sergiu Nedevschi, Radu Badea, Monica Lupsor, Mihai Socaciu, Adela Golea, Caludia Hagiu, Lidia Ciobanu, "Abdominal Tumor Characterization and Recognition Using Superior-Order Cooccurrence Matrices, Based on Ultrasound Images", in Computational and Mathematical Methods in Medicine, 2012.	Putzu L., "Computer aided diagnosis algorithms for digital microscopy", Doctoral Thesis, Universita di Cagliari, Marile 2016, <a href="http://veprints.unica.it/1273/">http://veprints.unica.it/1273/</a>	9	0.444444444
11	Lupsor, M., Badea, R., Nedevschi, S., Mitrea, D., Flores, M.: Ultrasonography contribution to hepatic steatosis quantification. possibilities of improving this method through computerized analysis of ultrasonic image. In: IEEE International Conference on Automation, Quality and Testing, Robotics, vol. 2, pp. 478-483 (May 2006)	R. Ribeiro, J. Sanchez, "Fatty Liver Characterization and Classification by Ultrasound", Pattern Recognition and Image Analysis Lecture Notes in Computer Science, Volume 5524, 2009, pp 354-361, <a href="http://link.springer.com/chapter/10.1007%2F978-3-642-02172-5_46">http://link.springer.com/chapter/10.1007%2F978-3-642-02172-5_46</a>	5	0.8
12	Lupsor, M., Badea, R., Nedevschi, S., Mitrea, D., Flores, M.: Ultrasonography contribution to hepatic steatosis quantification. possibilities of improving this method through computerized analysis of ultrasonic image. In: IEEE International Conference on Automation, Quality and Testing, Robotics, vol. 2, pp. 478-483 (May 2006)	Andriela Andraoada, José Silvestre Silva, Jaime Santosd, Pedro Belo-Soares, "Classifier Approaches for Liver Steatosis using Ultrasound Images", Procedia Technology, Volume 5, 2012, pp. 763-770, 4th Conference of Enterprise Information Systems – aligning technology, organizations and people (CENTERIS 2012), <a href="http://www.sciencedirect.com/science/article/pii/S2212017312005154">http://www.sciencedirect.com/science/article/pii/S2212017312005154</a>	5	0.8
13	Lupsor, M., Badea, R., Nedevschi, S., Mitrea, D., Flores, M.: Ultrasonography contribution to hepatic steatosis quantification. possibilities of improving this method through computerized analysis of ultrasonic image. In: IEEE International Conference on Automation, Quality and Testing, Robotics, vol. 2, pp. 478-483 (May 2006)	Ribeiro, R., Tato Marinho, R. Sanchez, J.M., "Global and local detection of liver steatosis from ultrasound", 2012 Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC), pp. 6547-6550 <a href="http://users.isr.ist.utl.pt/~jmsr/research/publications/myPapers/2012/EMBC2012/2012_EMB_C_RicardoRibeiro.pdf">http://users.isr.ist.utl.pt/~jmsr/research/publications/myPapers/2012/EMBC2012/2012_EMB_C_RicardoRibeiro.pdf</a>	5	0.8



14	D.Mitrea, M.Socaciu, R.Badea and A.Golea, " Texture Based Characterization and Automatic Diagnosis of the Abdominal Tumors from Ultrasound Images using Third Order GLCM Features", 4th International Congress on Image and Signal Processing (CISP), Vol. 3 ,PP. 1558 – 1562,TBD Shanghai, China,15-17 Oct. 2011.	Chikannan Eswaran, Fanji An Mukti, Noramiza Hashim, Comparison of "Classifiers for Retinal Pathology Images using SURF and Bag-of-Words Model", Proceedings of the International Conference on Artificial Intelligence and Pattern Recognition, Kuala Lumpur, Malaysia, 2014, pp. 72-78. <a href="https://www.academia.edu/9345002/Comparison_of_Classifiers_for_Retinal_Pathology_Images_using_SURF_and_Bag-of-Words_Model">https://www.academia.edu/9345002/Comparison_of_Classifiers_for_Retinal_Pathology_Images_using_SURF_and_Bag-of-Words_Model</a>	4	1
15	D. Mitrea, S. Nedevschi, M. Lupșor, R. Badea. Exploring the textural parameters obtained from ultrasound images for modeling the liver pathological stages in the evolution towards hepatocellular carcinoma, in 2008 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS (AQTR 2008), THETA 16TH EDITION, VOL III, PROCEEDINGS, pp. 128-133, 2008	Jitendra Virmani, Vinod Kumar, Naveen Kalra, Niranjan Khandejiwa, "Prediction of Cirrhosis Based on Singular Value Decomposition of Gray Level Co-occurrence Matrix and a Neural Network Classifier", Developments in IEEE Conference on E-systems Engineering (DeSE), 2011 , pp. 146-151	4	1
16	Mitrea D, Nedevschi S, Lupșor M, Socaciu M, Badea R: Experimenting various classification techniques for improving the automatic diagnosis of the malignant liver tumors based on ultrasound images. In: Proceedings of International Congress on Image and Signal Processing, CISP-2010. IEEE, Yantai, China, 2010, pp 1853–1858	Jitendra Virmani, Vinod Kumar, Naveen Kalra, Niranjan Khandejiwa, "Prediction of Cirrhosis Based on Singular Value Decomposition of Gray Level Co-occurrence Matrix and a Neural Network Classifier", Developments in IEEE Conference on E-systems Engineering (DeSE), 2011 , pp. 146-151	5	0.8

Total punctaj) A3.1.2.

12.68253968

A3.2 Prezentari invitate in plenul unor manifestari stiintifice nationale si internationale si profesor invitat  
Prelegere invitata cu titlul "Reprezentarea, analiza, interpretarea si recunoasterea imaginilor medicale prin metode computerizate", Scoala de Vara - Imagistica Moleculara si Functionala, Medias, 2013, organizata de Universitatea de Medicina si Farmacie Iuliu Hatieganu din Cluj-Napoca

A3.3. Membru in colectivele de redactie, organizator de manifestari stiintifice

Nr.	Nume Jurnal	URL	Tip (SI/BDI)	Punctaj
1	International Conference on Pattern Recognition Applications and Methods (2014) - membru comitet program	<a href="http://www.ispram.org/ProgramCommittee.aspx?year=2014">http://www.ispram.org/ProgramCommittee.aspx?year=2014</a>	BDI	6
2	International Conference on Pattern Recognition Applications and Methods (2013)- membru comitet program	<a href="http://www.ispram.org/ProgramCommittee.aspx?year=2013">http://www.ispram.org/ProgramCommittee.aspx?year=2013</a>	BDI	6
3	International Conference on Pattern Recognition Applications and Methods (2016)- membru comitet program	<a href="https://www.ispram.org/ProgramCommittee.aspx?year=2016">https://www.ispram.org/ProgramCommittee.aspx?year=2016</a>	BDI	6
4	International Conference on Pattern Recognition Applications and Methods (2017)- membru comitet program	<a href="https://www.ispram.org/ProgramCommittee.aspx?year=2017">https://www.ispram.org/ProgramCommittee.aspx?year=2017</a>	BDI	6
5	Automation, Computers, Applied Mathematics (ACAM Journal)	<a href="http://acam.utcluj.ro">http://acam.utcluj.ro</a>	BDI	6
6	Conferinta Nationala de Interactiune Om-Calculator (RoCHI) 2014 - membru comitet program	<a href="http://rochi2014.utcluj.ro/organizatori/">http://rochi2014.utcluj.ro/organizatori/</a>	nationala	3
7	Conferinta Nationala de Interactiune Om-Calculator (RoCHI) 2013 - membru comitet program	<a href="http://rochi2013.utcluj.ro/organizatori/">http://rochi2013.utcluj.ro/organizatori/</a>	nationala	3
8	Conferinta Nationala de Interactiune Om-Calculator (RoCHI) 2012 - membru comitet program	<a href="http://rochi2012.utcluj.ro/organizatori/">http://rochi2012.utcluj.ro/organizatori/</a>	nationala	3
9	Conferinta Nationala de Interactiune Om-Calculator (RoCHI) 2011 - membru comitet program	<a href="http://rochi2011.utcluj.ro/organizatori/">http://rochi2011.utcluj.ro/organizatori/</a>	nationala	3
10	Conferinta Nationala de Interactiune Om-Calculator (RoCHI) 2010 - membru comitet program	<a href="http://rochi2010.utcluj.ro/comitet.htm">http://rochi2010.utcluj.ro/comitet.htm</a>	nationala	3
11	Conferinta Nationala de Interactiune Om-Calculator (RoCHI) 2009 - membru comitet program	<a href="http://rochi2009.utcluj.ro/comitet.htm">http://rochi2009.utcluj.ro/comitet.htm</a>	nationala	3
12	Conferinta Nationala de Interactiune Om-Calculator (RoCHI) 2008 - membru comitet program	<a href="http://rochi2008.utcluj.ro/comitet.htm">http://rochi2008.utcluj.ro/comitet.htm</a>	nationala	3

13	Conferinta Nationala de Interactiune Om-Calculator (ROCHI) 2007 - membru comitet program	<a href="http://rochi2007.utcluj.ro/comitet.htm">http://rochi2007.utcluj.ro/comitet.htm</a>	nationala	3
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## A3.4.2. Premii nationale in domeniul

Nr.	Anul	Descriere premiu	Punctaj
1	2005	Premiul Federatiei Romane de Diabet, Nutritie, Boli Metabolice pentru lucrarea „Aportul ultrasonografic in evaluarea steatozei hepatice la pacienții cu diabet zaharat” – lucrare prezentată la Al IV-lea Congres National al Federatiei Romane de Diabet, Nutritie, Boli Metabolice, 16-18 noiembrie 2005, Cluj-Napoca. Autori: Lupșor M, Bades R, Nedevschi S, Mitrea D, Tripon S, Grigorescu M.	5

