Fişa de verificare a îndeplinirii standardelor pentru susţinerea tezei de abilitare – Prof. dr. ing. fiz. Luminita Moraru

Criterii specifice stabilite de stabilite de CNATDCU prin ordin al Ministrului (conform fişei următoare)

Domeniul fundamental: Ştiinţe inginereşti;
Comisia de specialitate CNATDCU: *INGINERIE INDUSTRIALĂ ŞI MANAGEMENT*
(conform M.O. AL ROMÂNIEI, Partea I nr. 123 din 15.02.2017./ *(Anexa nr. 16 la Ordinul nr. 6.129/2016*)
Standardele iau în considerare întreaga activitate a candidatului.

A1. Activitatea didactică şi profesională

Nr.	Referinţa bibliografică	Nr. pag.	Punctaj/ criteriu	
	1.1. Cărți/Capitole din cărți de specialitate/Monografii (cu ISBN) – minim 2 prim autor			
	1.1.1.1 Internaţionale		**nr. pagini/(5*nr. autori)**	
1.	**Luminița Moraru**, Simona Moldovanu and Anjan Biswas,Intensity – based classification and related methods in brain MR images, chapter in book : Classification and Clustering in Biomedical Signal Processing, Editor Nilanjan Dey , Publisher IGI Global, pages 78-105, ISSN: 2327-9354, 2016, DOI: 10.4018/978-1-5225-0140-4.ch004, 30 pg https://books.google.ro/books?id=w27ICwAAQBAJ&pg=PA78&lpg=PA78&dq=DOI:+10.4018/978-1-5225-0140-4.ch004&source=bl&ots=cRxyeGuAun&sig=rclzeFGtAxfrOD3R_lqAD8T-aHA&hl=ro&sa=X&ved=0ahUKEwjn1t_pzqvUAhVlOpoKHWWVDtQQ6AEIKDAB#v=onepage&q=DOI%3A%2010.4018%2F978-1-5225-0140-4.ch004&f=false	30	**2**	
2.	**Luminita Moraru**, Cristian Dragos Obreja, Nilanjan Dey, Amira S. Ashour, DEMPSTER-SHAFER FUSION FOR EFFECTIVE RETINAL VESSELS' DIAMETER MEASUREMENT, chapter in book: Soft Computing In Medical Image Analysis, Elsevier B&T EDS. - NILANJAN DEY, AMIRA S. ASHOUR, FUQIAN SHI, VALENTINA, E. BALAS, 2017, acceptata			
			Total 1.1.1.1	2
	1.1.1.2 Naţionale		**nr. pagini/(10*nr.autori)**	
1	**L. Moraru** Ultrasunetele în Metalurgie, Editura Fundaţiei Universitare "Dunărea de Jos", Galaţi, număr de pagini- 143, ISBN 973-99083-4-9, 1999.	143	14,3	
2	**L. Moraru** Fizica Materialelor, Editura Fundaţiei Universitare "Dunărea de Jos", Galaţi, număr de pagini-186, ISBN 973-99667-9-9, 2000	186	18,6	
3	**L. Moraru** Cavitaţia acustică, Editura Oficiului de Informare Documentară pentru Industrie, Cercetare, Management, Bucureşti, număr de pagini-198, ISBN 973-8001-36-6, 2002	198	19,8	
4	**L. Moraru** Unde acustice şi vibraţii, Editura Fundaţiei Universitare "Dunărea de Jos", Galaţi, număr de pagini-187, ISBN 973-627-174-9, 2004	187	18,7	
5	**L. Moraru**, S. Moldovanu, D. Bibicu, Metode avansate de procesare și analiză a imaginilor complexe, Galați University Press 2013, ISBN 978-606-8348-67-4, pp.1-196	196	6,53	
			Total 1.1.1.2	77,93
	Criteriu minim 1.1: Criteriu 2 cărți cu ISBN ca prim autor; Realizat: 2 capitole in in edituri internationale ca prim autor; 5 cărti cu ISBN, ca prim autor			
	1.1.2.2 Carti nationale ca editor		**nr. pagini/(20*nr. Editori)**	
1	Proceedings Editor: Prof. Dr. Luminita Moraru of THE ANNALS OF THE "Dunărea de Jos" UNIVERSITY OF GALAŢI, Fascicle II, MATHEMATICS, PHYSICS, CHEMISTRY, INFORMATICS, SUPPLEMENT, YEAR III (XXXII) 2009, ISSN 1842-6506, 146 pg		146/20*2	3,65

Nr.	Referinţa bibliografică	Nr. pag.	Punctaj/ criteriu	
2	Proceedings Editor: Prof. Dr. Luminita Moraru of THE ANNALS OF THE "Dunărea de Jos" UNIVERSITY OF GALAŢI,Fascicle II, MATHEMATICS, PHYSICS, THEORETICAL MECHANICS, YEAR II (XXXIII) 2010, No 2, ISSN 1842-6506		353/20*9	1,96
3	Proceedings Editor: ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATI MATHEMATICS, PHYSICS, THEORETICAL MECHANICS FASCICLE II, YEAR V(XXXVI) 2013, 107 pag		118/20*9	0,65
	Proceedings Editor: ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATI MATHEMATICS, PHYSICS, THEORETICAL MECHANICS FASCICLE II, YEAR V(XXXVII) 2014		80/20*2	2
	Proceedings Editor: ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATI MATHEMATICS, PHYSICS, THEORETICAL MECHANICS FASCICLE II, YEAR V(XXXVIII) 2015		52/20*3	0,86
	Proceedings Editor: ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATI MATHEMATICS, PHYSICS, THEORETICAL MECHANICS FASCICLE II, YEAR V(XXXVIII) 2016		145/20*3	2,41
			TOTAL 1.1.2.2	**11,53**
	1.2. Alte manual didactice (professor: minim 4 din care 2 prim autor)			
	1.2.1 Manuale didactice/Suport de curs/Indrumare		nr. pagini/(20* nr.autori)	
1	**L. Moraru**, M. Voiculescu, Fizica, Editura Fundaţiei Universitare "Dunărea de Jos", Galaţi, număr de pagini-158, ISBN 973-627-166-8, 2004	158	3,95	
2	**L. Moraru**, Electrodinamica şi teoria relativităţii, Editura Oficiului de Informare Documentară pentru Industrie, Cercetare, Management, Bucureşti, număr de pagini-172, ISBN 973-8352-77-0, 2002	172	8,6	
3	3. C. Tudose, P. Vieru, **L. Moraru**, E. Dănilă, N. Ţigău Lecţii de Fizică, Editura Academica, Galaţi, număr de pagini- 300, ISBN 973-97816-4-0, 1998.	300	3	
4	**L. Moraru**, Probleme de electrodinamică şi teoria relativităţii, Editura Fundaţiei Universitare „Dunărea de Jos", Galaţi, număr de pagini-121, ISBN 973-627-018-1, 2003	125	6,25	
5	**L. Moraru**, C. Tudose, L. Mitoşeriu, R. Draşovean, Probleme de Fizică, Editura Fundaţiei Universitare "Dunărea de Jos", Galaţi, număr de pagini- 186, ISBN 973-8139-97-X, 2001	186	3,1	
6	**L. Moraru**, A. Ene *Probleme de Fizică* **,** vol 1B, *Fizică Moleculară şi Căldură*, Multiplicat în atelierele Universităţii din Galaţi, număr de pagini- 307, 1994.	307	7,68	
7	M. Voiculescu, C. Tudose, L. **Moraru,** N. Ţigău, G. Murariu *Fizica-Lucrări de Laborator*, Editura Fundaţiei Universitare "Dunărea de Jos", Galaţi, număr de pagini- 82, ISBN 973-8001-36-6, 2002	82	0,82	
	Criteriu minim 1.2.2: Profesor-minim 2 – prim autor; Realizat 5 ca prim autor		**TOTAL1.2**	**33,4**
	1.3 Coordonare de programe de studii, organizare si coordonare programe de formare continua si proiecte educationale (Director/ Responsabil/Preşedinte)		**15/progr**	
1	Programul de licenta specializarea Matematica-Fizica, Facultatea de Stiinte, 2004-2006		**15**	
2	Programul de licenta specializarea Fizica Informatica, Facultatea de Stiinte, 2008-2011		**15**	
			Total 1.3	**30**
	1.4 Dezvoltare de noi discipline (titular)		**10/discip**	
1	*„Tehnici de monitorizare a calităţii mediului „–Curs* Master *Monitorizarea şi Managementul Mediului, Facultatea de Stiinte, zi*		**10**	
2	Curs *„Tehnici ultrasonore în studiul materialelor*" -Master MFCAC an VI, Fac de Ştiinţe, Zi		**10**	
3	Curs *Biomecanica şi Biomotricitate*, Master anI, FEFS		**10**	
			Total 1.4	**30**
	1.5 Proiecte educationale (ERASMUS, Leonardo etc.)			
1.	Drector de proiect: TEMPUS **516891-TEMPUS-1-2011-1-DE-TEMPUS-SMGR Embedding Quality Assurance in Doctoral Education – EQADE** 15/10/2011 – 14/10/2014		**30**	
			Total 1.5	**30**

Nr.	Referinţa bibliografică	Nr. pag.	Punctaj/ criteriu	
	TOTAL criteriul A1: 217,86 **12 cărţi si 3 carti ca editor;** **(minim 130 puncte) Grad de realizare 167,58%**		**Total A1**	**217,86**

A2. Activitatea de cercetare

2.1. Articole indexate in reviste ISI Thomson Reuters si in volume unor manifestari stiintifice indexate ISI Thomson Reuters, vizibile in baza de date (de la ultima promovare - 2005)

Nr. publ. ISI (n)	2.1. Referinţa bibliografică a articolului în extenso în reviste cotate ISI Thomson Reuters	FI -in anul publicarii	Punctaj
			(30 + 10 * fact.impact)/ (nr.autori)
1.	**L Moraru** Viscosity of a eutectic silumin alloy in ultrasonic field and estimation of melting temperature, Indian Journal of Pure& Applied Physics, vol 45 no 9, pp 733-738, 2007 ISSN 0019-5596 http://www.niscair.res.in/ScienceCommunication/ResearchJournals/rejour/ijpap/ijpap0.asp,	0,38	33,8
2.	**L. Moraru,** M Vlad, *Nucleation of crystals in undercooled molten alumnium*, Revista de Chimie-Bucharest-Original Edition, 2007, VOL 58; PART 2, pp 129-132 Centrul de documentare al industriei chimice ISSN 0034-7752, http://www.revistadechimie.ro/arhiva.asp?lim=ro&rev=ch	0,208	16,04
3.	**L. Moraru**, A. Ene, G. Murariu, High-accuracy structure identification of the aluminium eutectic alloys using the colour metallography, Romanian Report in Physics ISSN 1221-1451, vol 61, No4, 700-708, 2009 http://www.infim.ro/rrp/2009_61_4.html,	0,333	11,11
4.	**L. Moraru**, F. Szendrei, Ancient pottery analysis using SEM image processing, European Journal of Science and Theology, June 2010, Vol.6, No.2, pp69-79 ISSN 1841-046,	0,6	18
5.	**L. Moraru**, L. Onose, A. – M. Chiselev, Simulation of 2-D Linear Array Transducers and Beam Profile Used in Echolocation, CEAI -Control Engineering And Applied Informatics, vol 12, nr 3 (2010) pp 18-22, http://www.ceai.srait.ro/index.php/ceai/issue/view/186 ISSN 1454-8658,	0,338	11,12
6.	S. Moldovanu, **L. Moraru**, D. Bibicu, Characterization of myocardium muscle biostructure using first order features, Digest Journal of Nanomaterials and Biostructures, Vol. 6, No 3, July - September 2011, p. 1357-1365, http://www.chalcogen.infim.ro/1357_Moldovanu.pdf,	1,200	14
7.	**L. Moraru**, O. Cotoi, F. Szendrei, The Euler Number: A Method for Statistical Analisys of Porosity of Ancient Pottery, European Journal of Science and Theology , September 2011, Vol. 7, no. 3, pp 99-108, http://www.scopus.com/inward/record.url?eid=2-s2.0-79959480255&partnerID=MN8TOARS	0,6	12
8.	Comparative study on the performance of textural image features for active contour segmentation By**: Moraru, Luminita**; Moldovanu, Simona SCIENCE CHINA-LIFE SCIENCES Volume: 55 Issue: 7 Pages: 637-644 Published: JUL 2012, https://link.springer.com/article/10.1007%2Fs11427-012-4344-5	2,024	25,12
9.	A.-M. Chiselev, **L. Moraru**, A Study of Far Field Directivity Pattern of Bio-inspired EMFit Emitters, IEEE Sensors Journal 12(5), pp 1372-1376, 2012 Doi: 10.1109/JSEN.2011.2172600, ISSN 1530–437X , http://www.scopus.com/inward/record.url?eid=2-s2.0-84872239921&partnerID=MN8TOARS	1.475	22,37
10.	Dorin Bibicu, **Luminita Moraru**, Anjan Biswas, Thyroid nodule recognition based on feature selection and pixel classification methods, Journal of Digital Imaging , Volume 26, Issue 1 (2013), Page 119-128, DOI: 10.1007/s10278-012-9475-5, ISSN: 0897-1889, https://link.springer.com/article/10.1007%2Fs10278-012-9475-5	1,200	13
11.	Michelle Savescu, Kaisar R. Khan, Preeti Naruka, Hossein Jafari, **Luminita Moraru**, and Anjan Biswas, Optical Solitons in Photonic Nano Waveguides with an Improved Nonlinear Schrödinger's Equation, Journal of Computational and Theoretical Nanoscience (J. Comput. Theor. Nanosci.) 10, 1182-1191 (2013) ISSN: 1546-1955, http://www.aspbs.com/, http://www.scopus.com/inward/record.url?eid=2-s2.0-84879657782&partnerID=MN8TOARS	1.032	6,72
12.	Dorin Bibicu and **Luminita Moraru**, Cardiac cycle phases estimation in 2D echocardiographic images using Artificial Neural Networks, IEEE TRANSACTIONS ON BIOMEDICAL ENGINEERING (T-BME), 60 (5):1273-1279;10.1109/TBME .2012.2231864 MAY 2013 ISSN: 0018-9294 , http://www.scopus.com/inward/record.url?eid=2-s2.0-84876754892&partnerID=MN8TOARS	2,233	26,16
13.	**Luminita Moraru**, Dorin Bibicu, Anjan Biswas, Standalone functional CAD system for multi-object case analysis in hepatic disorders, Computers in Biology and Medicine , 2013, 43 (2013), pp. 967-974, DOI: 10.1016/j.compbiomed.2013.04.014 ISSN: 0010-4825, http://www.scopus.com/inward/record.url?eid=2-s2.0-84879177445&partnerID=MN8TOARS	1.475	14,91
14.	Michelle Savescu, Kaisar R. Khan, Russell W. Kohl, **Luminita Moraru**, Ahmet Yildirim, and Anjan Biswas, Optical Soliton Perturbation with Improved Nonlinear Schrödinger's Equation in Nano Fibers Journal of Nanoelectronics and Optoelectronics (J. Nanoelectron. Optoelectron.) 8, 208-220 (2013), doi:10.1166/jno.2013.1459 (ISSN 1555-130X) http://www.scopus.com/inward/record.url?eid=2-s2.0-84877256461&partnerID=MN8TOARS	0.369	5,61

15.	Yanan Xu, Zlatko Jovanoski, Abdelaziz Bouasla, Houria Triki, **Luminita Moraru** and Anjan Biswas. Optical solitons in multi-dimensions with spatio-temporal dispersion and non-Kerr law nonlinearity Journal of Nonlinear Optical Physics and Materials (JNOPM) – Vol. 22, No. 3 (2013) 1350035 - 1:30 (30 pages), DOI: 10.1142/S0218863513500355, ISSN: 0218-8635, http://www.scopus.com/inward/record.url?eid=2-s2.0-84886999744&partnerID=MN8TOARS	0.640	6,06
16.	Anjan BISWAS, Abdul H. KARA**, Luminita MORARU**, Ashfaque H. BOKHARI, F.D. ZAMAN, Conservation laws of coupled Klein-Gordon equations with cubic and power law nonlinearities, PROCEEDINGS OF THE ROMANIAN ACADEMY, Series A, Volume 15, Number 2/2014, pp. 123–129, , ISSN : 1454-9069 http://www.scopus.com/inward/record.url?eid=2-s2.0-84901308623&partnerID=MN8TOARS	1,658	9,31
17.	Mirela (Visan) Punga, Rahul Gaurav and **Luminita Moraru**, Level set method coupled with Energy Image features for brain MR image segmentation, Biomedical Engineering / Biomedizinische Technik, ISSN: 0013-5585, DOI 10.1515/bmt-2013-0111, 2014, Volume: 59 Issue: 3 Pages: 219-229 http://www.scopus.com/inward/record.url?eid=2-s2.0-84903556662&partnerID=MN8TOARS	1.458	14,86
18.	**Luminita Moraru**, Simona Moldovanu, Anjan Biswas, Optimization of Breast Lesion Segmentation in Texture Feature Space Approach, Medical Engineering & Physics, Volume 36, Issue 1, 124-130. (2014)., ISSN: 1350-4533, Doi:10.1016/j.medengphy.2013.05.013 http://www.scopus.com/inward/record.url?eid=2-s2.0-84891836450&partnerID=MN8TOARS	1,825	16,08
19.	Bharat BHOSALE, **Luminita MORARU**, Bouthina S. AHMED, David RISER, Anjan BISWAS, MULTI-RESOLUTION ANALYSIS OF WAVELET LIKE SOLITON SOLUTION OF KdV EQUATION, PROCEEDINGS OF THE ROMANIAN ACADEMY, Series A, Volume 15, Number 1/2014, pp. 18–26 http://www.scopus.com/inward/record.url?eid=2-s2.0-84896977416&partnerID=MN8TOARS	1,658	9,31
20.	MICHELLE SAVESCU, E. M. HILAL, A. A. ALSHAERY, A. H. BHRAWY, **LUMINITA MORARU**, ANJAN BISWAS, Optical solitons with quadratic nonlinearity and spatio-temporal dispersion, JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, Vol. 16, No. 5-6, May - June 2014, p. 619 - 623, ISSN 1454-4164 http://www.scopus.com/inward/record.url?eid=2-s2.0-84905498692&partnerID=MN8TOARS	0,429	5,71
21.	P. Razborova, **L. Moraru**, A. Biswas, Perturbation of Dispersive Shallow Water Waves with Rosenau-Kdv-Rlw Equation and Power Law Nonlinearity, ROMANIAN JOURNAL OF PHYSICS, Rom. Journ. Phys., Vol. 59, Nos. 7–8, P. 658–676, 2014, ISSN 1221-146X http://www.scopus.com/inward/record.url?eid=2-s2.0-84907167805&partnerID=MN8TOARS	0.924	13,08
22.	A.A. Alshaery, E. M. Hilal, M. A. Banaja, Sadah A. Alkhateeb, **Luminita Moraru** & Anjan Biswas, Optical solitons in multiple-core couplers, Journal of Optoelectronics and Advanced Materials (JOAM), Vol. 16, No. 5-6, May - June 2014, p. 750 - 758, ISSN: 1454-4164 http://www.scopus.com/inward/record.url?eid=2-s2.0-84905455990&partnerID=MN8TOARS	0,429	5,71
23.	QIN ZHOU, QIUPING ZHU, A. H. BHRAWY, **LUMINITA MORARU**, ANJAN BISWAS, Optical solitons with spatially-dependent coefficients by Lie symmetry, OPTOELECTRONICS AND ADVANCED MATERIALS – RAPID COMMUNICATIONS, Vol. 8, No. 7-8, July – August 2014, p. 800 – 803, .2014, ISSN 1842-6573 http://www.scopus.com/inward/record.url?eid=2-s2.0-84908309464&partnerID=MN8TOARS	0,394	6,78
24.	GHODRAT EBADI, AIDA MOJAVER, JOSE VEGA-GUZMAN, KAISAR R. KHAN, MOHAMMAD F. MAHMOOD, **LUMINITA MORARU**, ANJAN BISWAS, MILIVOJ BELIC, Solitons in optical metamaterials by F-expansion scheme. OPTOELECTRONICS AND ADVANCED MATERIALS – RAPID COMMUNICATIONS, Vol. 8, No. 9-10, September – October 2014, p. 828 – 832, ISSN 1842-6573 http://www.scopus.com/inward/record.url?eid=2-s2.0-84914143046&partnerID=MN8TOARS	0,394	4,24
25.	QIN ZHOU, QIUPING ZHU, **LUMINITA MORARU**, ANJAN BISWAS, Optical solitons in photonic crystal fibers with spatially inhomogeneous nonlinearities, Journal of Optoelectronics and Advanced Materials (JOAM), Vol. 8, No. 11-12, Nov. – Dec. 2014, p. 995 – 997, ISSN 1454-4164 http://www.scopus.com/inward/record.url?eid=2-s2.0-84920381108&partnerID=MN8TOARS	0,394	8,48
26.	By: Bhrawy, A. H.; Alshaery, A. A.; Hilal, E. M.; Milovic, D; **Moraru, L**; Savescu, M; Biswas, A Optical Solitons with Polynomial and Triple-Power Law Nonlinearities and Spatio-Temporal Dispersion PROCEEDINGS OF THE ROMANIAN ACADEMY SERIES A-MATHEMATICS PHYSICS TECHNICAL SCIENCES INFORMATION SCIENCE Volume: 15 Issue: 3 Pages: 235-240 Published: JUL-SEP 2014 http://www.scopus.com/inward/record.url?eid=2-s2.0-84907202819&partnerID=MN8TOARS	1,658	6,65
27.	Q. ZHOU, Q. ZHU, A. H. BHRAWY**, L. MORARU**, A. BISWAS, Bright-Dark combo optical solitons with non-local nonlinearity in parabolic law medium, OPTOELECTRONICS AND ADVANCED MATERIALS – RAPID COMMUNICATIONS , VOL. 8, NO. 9-10, SEPTEMBER – OCTOBER 2014, P. 837 – 839 http://www.scopus.com/inward/record.url?eid=2-s2.0-84914179162&partnerID=MN8TOARS	0,394	6,78
28.	JOSE VEGA-GUZMAN, A. A. ALSHAERY, E. M. HILAL, A. H. BHRAWY, M. F. MAHMOOD, **LUMINITA MORARU**, & ANJAN BISWAS, Optical soliton perturbation in magneto-optic waveguides with spatio-temporal dispersion, Journal of Optoelectronics and Advanced Materials (JOAM), Vol. 16, No. 9-10, September - October 2014, p. 1063 – 1070, ISSN 1454-4164 http://www.scopus.com/inward/record.url?eid=2-s2.0-84914165591&partnerID=MN8TOARS	0,429	4,89
29.	Dorin Bibicu, **Luminita Moraru**, Anjan Biswas. Efficient Segmentation using Active Contours embedded in an Image Feature, Journal of Medical Imaging and Health Informatics, http://www.aspbs.com/jmihi.html, J. Med. Imaging Health Inf. 5(2), 241-247 (2015), DOI: 10.1166/jmihi.2015.1379 http://www.scopus.com/inward/record.url?eid=2-s2.0-84921773341&partnerID=MN8TOARS	0,877	12,92

30.	M. SAVESCU, ALI H. BHRAWY, E. M. HILAL, A. A. ALSHAERY, **L. MORARU**, A. BISWAS, Optical solitons in birefringents fibers with four - wave mixing for parabolic law nonlinearity OAM-RC OPTOELECTRONICS AND ADVANCED MATERIALS – RAPID COMMUNICATIONS Vol. 9, No. 1-2, January – February 2015, p. 10 – 13 https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-84929612517&origin=resultslist&sort=plf-f&src=s&st1=moraru%2c+l&st2=galati&sid=C93FAC81F7A280054424F88AFE393C56.wsnAw8kcdt7IPYLO0V48gA%3a10&sot=b&sdt=b&sl=46&s=%28AUTHOR-NAME%28moraru%2c+l%29+AND+AFFILCITY%28galati%29%29&relpos=16&citeCnt=25&searchTerm=	0,412	5,68
31.	Jose Vega-Guzman, E. M. Hilal, A. A. Alshaery, A. H. Bhrawy, M. F. Mahmood, **Luminita Moraru,** Anjan Biswas, THIRRING OPTICAL SOLITONS WITH SPATIO-TEMPORAL DISPERSION, PROCEEDINGS OF THE ROMANIAN ACADEMY, Series A, Volume 16, Number 1/2015, pp. 41–46 https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-84923795444&origin=resultslist&sort=plf-f&src=s&st1=moraru%2c+l&st2=galati&sid=C93FAC81F7A280054424F88AFE393C56.wsnAw8kcdt7IPYLO0V48gA%3a10&sot=b&sdt=b&sl=46&s=%28AUTHOR-NAME%28moraru%2c+l%29+AND+AFFILCITY%28galati%29%29&relpos=17&citeCnt=22&searchTerm=	1,735	6,76
32.	Ozkan GUNER, Ahmet BEKIR, **Luminita MORARU**, Anjan BISWAS, Bright and Dark Soliton Solutions of the Generalized Zakharov-Kuznetsov-Benjamin-Bona-Mahony Nonlinear Evolution Equation, PROCEEDINGS OF THE ROMANIAN ACADEMY, Series A, Volume 16, Number 3/2015, pp. 422–429 https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-84980491926&origin=resultslist&sort=plf-f&src=s&st1=moraru%2c+l&st2=galati&sid=C93FAC81F7A280054424F88AFE393C56.wsnAw8kcdt7IPYLO0V48gA%3a10&sot=b&sdt=b&sl=46&s=%28AUTHOR-NAME%28moraru%2c+l%29+AND+AFFILCITY%28galati%29%29&relpos=13&citeCnt=1&searchTerm=	1,735	11,83
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21	Jose-Vega Guzman, Mohammad F. Mahmood, Qin Zhou, **Luminita Moraru**, Stephen Johnson, Anjan Biswas & Milivoj Belic. Singular optical solitons in parabolic and dual-power law media, Journal of Computational and Theoretical Nanoscience (JCTN), Volume 13, Number 8, August 2016, pp. 4825-4828(4)	2,142	
22	Violeta Pintilie, Lucian-Puiu Georgescu, **Luminita Moraru**, Antoaneta Ene, Catalina Iticescu, NATURAL RADIOACTIVITY IN DRINKING WATER FROM GALATI AND VRANCEA AREAS, ROMANIA, Radiation and Applications, | rad-journal.org, Vol. 1 | Issue 3 | pp. 165 – 170, 2016, doi: 10.21175/RadJ.2016.03.031, ISSN 2466-4294 (online)	3	
23	**Luminița Moraru,** Cristian-Dragoș Obreja, Vlad Andrei Moraru, Comparative assessment of retinal vasculature using matched filtering, ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATI MATHEMATICS, PHYSICS, THEORETICAL MECHANICS, FASCICLE II, YEAR VIII (XXXIX) 2016, No. 1, pp 5-12	5	
24	**Luminița Moraru**, Lucian Dimitrievici, Vlad Andrei Moraru , Structural brain asymmetry evaluated by histogram analysis and similarity metrics, ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATI MATHEMATICS, PHYSICS, THEORETICAL MECHANICS, FASCICLE II, YEAR VIII (XXXIX) 2016, No. 1, pp 13-19	5	
25	Violeta Pintilie, Antoaneta Ene, Lucian P. Georgescu, **Luminița Moraru**, Monitoring of gross alpha and beta activity in drinking water from Galati during 2013-2014, ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATI MATHEMATICS, PHYSICS, THEORETICAL MECHANICS, FASCICLE II, YEAR VIII (XXXIX) 2016, No. 1, pp 20-25	3,75	

	Criteriu minim 2.2: Minim _8_ pentru profesor; Realizat 20 publicatii **Total 2.2**		126,4
	2.5 Granturi/proiecte castigate prin competitive (min 25000 lei) 2.5.1 Director/ Responsabil - Minim 2D sau 4R pentru Profesor	**20* val/ (10 mii euro)**	
	2.5.1.1 internationale/DIRECTOR		
1.	RESPONSABIL-Embedding Quality Assurance in Doctoral Education – EQADE 516891-TEMPUS-1-2011-1-DE-TEMPUS-SMGR (suma prorie 14.000Euro) 2011-2014	28	
2.	People Work Programme of the 7th Framework Programme- Support for continued data collection and analysis concerning mobility patterns and career paths of researchers, EPR European Partnership for Researchers, RESEARCH DIRECTORATE-GENERAL, Directorate C: European Research Area – Knowledge Based Economy, RTD/B2/2011-S236-359211, 2011 (suma proprie 15.000 Euro)	30	
3.	RESPONSABIL -Proiect 08-EuroHESC-FP-003: The Academic Profession in Europe: responses to societal challenges (EUROAC) .Finantare ESF/EUROHESC (CNCSIS- 3EUROC/2010) (suma proprie 90.000 Euro)	180	
4.	RESPONSABIL -Multi-Energy High Resolution Modular Scan System for Internal and External Concealed Commodities MESMERISE (suma proprie 197.812 Euro) 2016-2019	395,6	
	Minim 2 D, realizat 4D **Total 2.5.1.1.**		633,6
	2.5 Granturi/proiecte castigate prin competitive 2.5.2. Membru in echipa		
	2.5.2.1 internationale	4*nr.ani participare in proiect	
1.	**517361-TEMPUS-1-2011-1-IT-TEMPUS-JPHES** Titlul proiectului: **Technical Education on Resource Savings for Industrial Develpment (TERSID)** Durata proiectului: 2011-2014, **membru** în echipa de cercetători	12	
2.	MIS ETC 1676 cu titlul: **„Cross-border interdisciplinary cooperation for the prevention of natural disasters and mitigation of environmental pollution in Lower Danube Euroregion", 19.12.2013 ş**i data de **18.10.2015**	8	
3.	STAR-NET – Promoting the participation of organizations from Member States and Candidate Countries in Information Technologies in FP Stimularea participării organizaţiilor din Statele Membre şi Ţările Candidate în domeniul Tehnologiei Informaţiei în Programul Cadru PC6 EUROPEAN IST, no 015742; membru în colectiv, 2005-2006	4	
4.	Programe Europene: COST 636 Xenobiotics in the urban water cycle, 2005 Ist Stage, membru în echipa de cercetare, 2005-2007	8	
	Total 2.5.2.1		32
	2.5.2.2 nationale	2*nr.ani participare in proiect	
1.	Programul National Parteneriate 2007, Sistem expert arheometric pentru combaterea inteligenta a traficului cu valori ale patrimoniului cultural-istoric, ARCHAEOPOLICE PN II 81-040/2007–membru in echipa de cercetare, 2007-2009	6	
2.	Programul National CAPACITATI 2007, Laborator interdisciplinar pentru masurari vibro-acustice in mediul ocupational PEM 98_2007. Modulul I. membru in echipa de cercetare, 2007-2009	4	
3.	Programul National Parteneriate 2008, Capete sonar bio-mimetice adaptive pentru vehicule autonome, ADBIOSONAR CNMP PN II No.12-079/2008, membru în echipa de cercetători, 2008-2010	6	
4.	Programul TACIS- PHARE- Integrated monitoring of environmental media (air, water, soil) in the Lower Danube Euroregion, Galati-Cahul area. RO 2004/016-941.01.01.04, 2008 membru în echipa de cercetători	2	
5.	Programul National CAPACITATI 2008, Laborator de modelare numerica în mecanica fluidelor – CFDLAB, Pi-CD Proiecte de investitii, Modulul I, membru în echipa de cercetători, 2008-2010	6	
	Total 2.5.2.2		24
	2.6 Coordonare/ dezvoltare laborator/ centru cercetare (daca este si didactic, punctajul se cuantifica o singura data)		
1.	Sef de laborator Diagnoza si analiza acustica a sistemelor fizice din cadrul Centrului de cercetare institutionalizat: „ANALIZE FIZICO-CHIMICE, MORFO-FUNCŢIONALE ŞI CHEMOMETRIE", UDJG	40	
	Total 2.6		40
	Total Activitatea de cercetare (A2) 1506,29 puncte **Minim cerut: 300 puncte** **Grad de realizare: 502%**		**1506,29**

Recunoasterea si impactul activitatii (A3)

3.1 Vizibilitatea in baze de date international

3.1.1Numar de citări in articole indexate ISI si BDI (10/nr. Autori articol citat WoS, 5/nr. autori articol citat BDI)

Nr. publ. *k*	Referinţa bibliografică a publicaţiei *k* care citează **lucrarea *i* a candidatului**		
D. Toma, N. Tigau, L. Moraru On the physical nature of traps in polycrystalline Sb2O3 layers, Interface Controlled Materials, EUROMAT'99, vol. 9, Ed. M. Ruhle & H. Gleiter, Germany, pag. 96-99, 1999, ISBN 3-27-30209-3.			
1	Tigau, N., Ciupina, V., Prodan, G., Rusu, G.I., Vasile, E. Structural characterization of polycrystalline Sb2O3 thin films prepared by thermal vacuum evaporation technique 2004 *Journal of Crystal Growth* 269 (2-4) , pp. 392-400, ISSN 0022-0248 relative IF=1,5411	WoS	10/3
2	Tigau, N., Ciupina, V., Prodan, G., Rusu, G.I., Gheorghies, C., Vasile, E. The influence of heat treatment on the electrical conductivity of antimony trioxide thin films 2003 *Journal of Optoelectronics and Advanced Materials* 5 (4) , pp. 907-912 , ISSN 1454-4164, relative IF=0,33089	WoS	10/3
		Total	**6,66**
MORARU L The heat transfer coefficient during the solidification of aluminum CZECHOSLOVAK JOURNAL OF PHYSICS 52: 387-393 2002			
1	Comparison of interfacial heat transfer coefficient estimated by two different techniques during solidification of cylindrical aluminum alloy casting Rajaraman, R., Velraj, R. Heat and Mass Transfer/Waerme- und Stoffuebertragung 44 (9), pp. 1025-1034, 2008, ISSN 0947-7411, relative IF=0,84633	WoS	10
2	Goldstein RJ, Eckert ERG, Ibele WE, et al. Heat transfer - a review of 2002 literature INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER 48 (5): 819-927 FEB 2005, ISSN 0947-7411, relative IF=0,84633	WoS	10
3	Rihan, Y., Abd El-Bary, B. Numerical study on the effect of solidification parameters during the continuous casting of Al-Si alloys , 2010, *International Journal of Heat and Technology* 28 (2) , pp. 13-17	BDI	5
4	*Y. Rihan, B. Abd El-Bary, Numerical Study on the Effect of Solidification Parameters during the Continuous Casting of Al-Si Alloys, OJMS - Volume (1), Number (1), October, 2010* OJMS - Volume (1), Number (1), October, 2010, http://www.infomesr.org/en/scientific-research/journals/current-journals/47	BDI	5
5	Determination of local heat transfer coefficients in precision castings by genetic optimisation aided by numerical simulation Vasileiou, A.N., Vosniakos, G.-C., Pantelis, D.I. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science 229 (4), pp. 735-750	WoS	10
6	On the feasibility of determining the Heat Transfer Coefficient in casting simulations by Genetic Algorithms A.N. Vasileiou, G.-C. Vosniakos, D.I. Pantelis Procedia Manufacturing, 2017, https://www.researchgate.net/profile/George-Christopher_Vosniakos/publication/319644794_On_the_feasibility_of_determining_the_Heat_Transfer_Coefficient_in_casting_simulations_by_Genetic_Algorithms/links/59b7ada0aca2722453a61c27/On-the-feasibility-of-determining-the-Heat-Transfer-Coefficient-in-casting-simulations-by-Genetic-Algorithms.pdf	BDI	5
		Total	**45**
L Moraru, The Melting Temperature of 99.97 wt.% Al Estimated from Activation Energy for Viscous Flow - Czech. Journal of Physics, Vol 53, No 5, pg. 439-446, 2003, ISSN 0009-0700– Springer			
1	B. Aremo and M. O. Adeoye A low-cost vacuum casting equipment for aluminium alloys Volume 51, Number 2, 124-130, 2010, Foundry Russian Journal of Non-Ferrous Metals , ISSN 1067-8212 relative IF=0 DOI: 10.3103/S1067821210020094	WoS	10
2	Yung KP, Wei J, Wang ZF, Tay BK, Effects of under CNT metallization layers on carbon nanotubes growth, (2008) Modern Physics Letters B 22(19), pp. 1827-1836, ISSN 0217-9849, relative IF=0, 30233	WoS	10
3	Z Wang; Q F Shu; K Chou, Estimation of liquidus temperature for B2O3- and TiO2- containing fluoride free mould fluxes from activation energy for viscous flow and DTA measurements, Canadian Metallurgical Quarterly, Volume 52 Issue 4 (October 2013), pp. 405-412	BDI	5
		Total	**25**
L. Moraru Fourier thermal analysis of solidification kinetics in molten aluminum and in presence of ultrasonic field, Czech. Journal of Physics, Vol 50, No 10, pg. 1125-1132, 2000, ISSN 0009-0700 DOI 10.1023/A:1022852600970			
1	Qingmei, L., Yong, Z., Yaoling, S., Feipeng, Q., Qijie, Z., Influence of ultrasonic vibration on mechanical properties and microstructure of 1Cr18Ni9Ti stainless steel , Materials and Design 28 (6), pp. 1949-1952 2007, ISSN 0261-3069, relative IF=1.12903	WoS	10
2	Timelli G, Ferro P, Bonollo F, Influence of vibration during solidification of aluminium metal matrix composites on microstructure, (2010) Metallurgia Italiana, 102 (1), pp 1-11	BDI	5
3	Behavior of inclusion removal in ladle refining model by ultrasonic Authors of DocumentKang, S.-M., Shen, M.-G., Li, C.-W., Lü, H.-F., Chen, H. Year the Document was Publish 2012 Source of the DocumentKang T'ieh/Iron and Steel 47 (9), pp. 30-34	WoS	10
		Total	**25**
L Moraru, Study concerning the electrical resistivity of some liquid metals in ultrasonic field, Czech. Journal of Physics*, Vol 49, No 2, pg. 253-261, 1999			

Nr. publ. *k*	Referinţa bibliografică a publicaţiei *k* care citează **lucrarea *i* a candidatului**		
1	Xuan Liu, Jianfeng Zhang, Haoyu Li, Qichi Le, Zhiqiang Zhang, Wenyi Hu, Lei Bao, Electrical resistivity behaviors of liquid Pb-Sn binary alloy in the presence of ultrasonic field, Ultrasonics (Impact Factor: 2.03). 2015 01/2014; DOI: 10.1016/j.ultras.2014.07.008	WoS	10
2	Petrič M., Kastelic S., Mrvar P., Selection of electrodes for the ″in situ″ electrical resistivity measurements of molten aluminium, Journal of Mining and Metallurgy, Section B: Metallurgy 2013 Volume 49, Issue 3, Pages: 279-283	BDI	5
3	Electrical resistivity behaviors of liquid Pb-Sn binary alloy in the presence of ultrasonic field Liu, X., Zhang, J., Li, H., (...), Hu, W., Bao, L. 2015 Ultrasonics 55 (1), pp. 6-9	WoS	10
4	Electrical resistivity measurements of Al-cast alloys during solidification Petrič, M., Medved, J., Kastelic, S., Mrvar, P 2015 International Journal of Microstructure and Materials Properties 10 (1), pp. 64-73	BDI	5
5	The thermoelectric power of Al-0.99 wt.% Fe alloys in the AC magnetic field Lan, Q., Zhang, J., Liu, X., (...), Liu, Y., Cui, J. 2017 Journal of Physics Condensed Matter 29 (15), 155101	WoS	10
		Total	**40**
Moraru L., Vlad, M, Nucleation of crystals in undercooled molten aluminium, (2007) Revista de Chimie, 58(2), pp 129-132			
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2	Anghel CI, Cristea MV, Prediction of thermodynamic properties by artificial intelligence techniques, (2010), Revista de Chimie, 61(1), pp 87-93, ISSN 0034-7752, relative IF=0,12579	WoS	5
3	Albinana Virginia; Bernabeu-Herrero Maria E.; Zarrabeitia Roberto; et al., Estrogen therapy for hereditary haemorrhagic telangiectasia (HHT): Effects of raloxifene, on Endoglin and ALK1 expression in endothelial cells Source: THROMBOSIS AND HAEMOSTASIS Volume: 103 Issue: 3 Pages: 525-534 DOI: 10.1160/TH09-07-0425 Published: MAR 2010. Impact Factor 4.701, 5 year IF=1,6642,	WoS	5
4	A New Approach to Ultrasonic Degassing to Improve the Mechanical Properties of Aluminum Alloys By: Puga, H.; Barbosa, J.; Teixeira, J. C.; et al. JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE Volume: 23 Issue: 10 Pages: 3736-3744 Published: OCT 2014	WoS	5
		Total	**20**
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1	M.Sindhana Devi, V.Radhika Comparative Approach for Speckle Reduction In Medical Ultrasound Images, International Journal of Advanced Research in Technology IJART, Vol. 1 Issue 1, 2011,7-11	BDI	5/3
2	S. Suganyadevi, B. Mahalakshmi, Effective Reconstructive Ultrasound Images Using Hopfield Aritificial Neural Network, Artificial Intelligent Systems and Machine Learning, Vol 5, No 12 (2013)	BDI	5/3
3	Suganya Devi D, Suganya Devi S, Effective Noise Reduction Techniques for Despeckling Ultrasound Medical Images, Journal of Computer Applications, Volume-5, Issue EICA2012-1, February 10, 2012, pp 52- 58	BDI	5/3
4	K. Senthil Kumar, K. Venkatalakshmi, K. Karthikeyan, A. Jasiya Jabeen Experimental Study of Optimization Algorithms for Breast Cancer Recognition by Means of Ultrasound Images Proceeding ICIA-16 Proceedings of the International Conference on Informatics and Analytics Article No. 55 , Pondicherry, India — August 25 - 26, 2016, ISBN: 978-1-4503-4756-3 doi1 0.1145/2980258.2980380	BDI	5/3
5	AN AUTOMATIC SYSTEM FOR CLASSIFICATION OF BREAST CANCER LESIONS IN ULTRASOUND IMAGES Behnam Karimi Presented in Partial Fulfillment of the Requirements For the Degree of Doctor of Philosophy Concordia University Montreal, Quebec, Canada, 2014 http://spectrum.library.concordia.ca/978845/1/Karimi_PhD_F2014.pdf	Teza dr	3/3
6	A novel technique for detecting suspicious lesions in breast ultrasound images Behnam Karimi, Adam Krzyżak 2015, EXPERIENCEConcurrency Computat.: Pract. Exper. 2016; 28:2237–2260 DOI: 10.1002/cpe.3553	WoS	10/3
		Total	**11**
M. C. Nicolae, L. Moraru, L. Onose, Comparative approach for speckle reduction in medical ultrasound images, ROMANIAN J. BIOPHYS., VOL. 20, NO. 1, P. 13–21, BUCHAREST, 2010			
1	Bocchi, L., Rogai, F. A genetic fuzzy rules learning approach for unseeded segmentation in echography 2012 Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) 7248 LNCS , pp. 305-314 (http://www.scopus.com.scopeesprx.elsevier.com/results/citedbyresults.url?sort=plf-f&cite=2-s2.077958449245&src=s&imp=t&sid=iqUu6WTC1r_gPDSPs33P9XT%3a320&sot=cite&sdt=a&sl=0&origin=resultslist&txGid=iqUu6WTC1r_gPDSPs33P9XT%3a32) IF=0,51	WoS	10/3
2	Leonardo Bocchi and Francesco Rogai, Segmentation of Ultrasound Breast Images: Optimization of Algorithm Parameters, Applications of Evolutionary Computation Lecture Notes in Computer Science, 2011, Volume 6624/2011, 163-172, DOI: 10.1007/978-3-642-20525-5_17,Springer Verlag Berlin heidelberg, 2011 http://www.springerlink.com/content/m3j1u63pl82n1207/	WoS	10/3
3	EKO SUPRIYANTO, WAN MAHANI HAFIZAH, YEOH JING WUI, ADEELA AROOJ, Automatic Non Invasive Kidney Volume Measurement Based On Ultrasound Image, 2011 Recent Researches in Computer Science, ISBN: 978-1-61804-019-0, pp 387-392 http://www.wseas.us/e-library/conferences/2011/Corfu/COMPUTERS/COMPUTERS-66.pdf	BDI	5/3

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4	Youssef, S.M.; Korany, E.A.; Salem, R.M. Contourlet-based Feature Extraction for Computer Aided Diagnosis of Medical Patterns, 2011 IEEE 11th International Conference on Computer and Information Technology (CIT)n, Aug. 31 2011-Sept. 2 2011, pp 481 – 486, Pafos, DOI: 10.1109/CIT.2011.46 http://ieeexplore.ieee.org/xpl/freeabs_all.jsp?arnumber=6036813	BDI	5/3
5	P.S. Hiremath, Prema T. Akkasaligar, Sharan Badiger, Performance Comparison of Wavelet Transform and Contourlet Transform based methods for Despeckling Medical Ultrasound Images, International Journal of Computer Applications (0975 – 8887) Volume 26– No.9, July 2011, pp 34-41	BDI	5/3
6	Roomi, S.M.M., Rajee, R.B.J. Speckle noise removal in ultrasound images using Particle Swarm Optimization technique 2011, International Conference on Recent Trends in Information Technology, ICRTIT 2011 , art. no. 5972404 , pp. 926-931 (http://www.scopus.com.scopeesprx.elsevier.com/results/citedbyresults.url?sort=plf-f&cite=2-s2.077958449245&src=s&imp=t&sid=iqUu6WTC1r_gPDSPs33P9XT%3a320&sot=cite&sdt=a&sl=0&origin=resultslist&txGid=iqUu6WTC1r_gPDSPs33P9XT%3a32)	BDI	5/3
7	Malarkhodi S., R. S. D. Wahida Banu, Automatic Segmentation and Feature Extraction of Uterine Fibroid using Ultrasound Images, European Journal of Scientific Research Vol.69 No.1 (2012), pp.52-60 ISSN 1450-216X, http://www.europeanjournalofscientificresearch.com/ISSUES/EJSR_69_1_05.pdf	BDI	5/3
8	Wan M. Hafizah, Nurul A. Tahir, Eko Supriyanto, Adeela Arooj, Syed M. Nooh, New Technique towards Operator Independent Kidney Ultrasound Scanning, INTERNATIONAL JOURNAL OF COMPUTERS Issue 1, Volume 6, 2012, pp 73-82 http://www.naun.org/journals/computers/17-740.pdf	BDI	5/3
9	Wan M. Hafizah, Eko Supriyanto, Automatic Generation of Region of Interest for Kidney Ultrasound Images Using Texture Analysis, INTERNATIONAL JOURNAL OF BIOLOGY AND BIOMEDICAL ENGINEERING, Issue 1, Volume 6, 2012, pp 26-34, http://www.naun.org/journals/bio/17-520.pdf	BDI	5/3
10	Andria, G. , Attivissimo, F. ; Lanzolla, A.M.L. , Performance of Wavelet function in ultrasound image denoising, Medical Measurements and Applications Proceedings (MeMeA), 2012 IEEE International Symposium on, Budapest 18-19 May 2012, Print ISBN: 978-1-4673-0880-9, INSPEC Accession Number: 12836714 DOI : 10.1109/MeMeA.2012.6226667	BDI	5/3
11	Suganya Devi S, Suganya Devi D, Effective Noise Reduction Techniques for Despeckling Ultrasound Medical Images, Journal of Computer Applications ISSN: 0974 – 1925, Volume-5, Issue EICA2012-1, February 10, 2012	BDI	5/3
12	M. Selvarani, S. Malarkhodi, Speckle removal and segmentation of an uterin fibroidultrasound images, International Journal of Emerging trends in Engineering and Development, 2(4), 2012, ISSN 2249-6149 pp33-38	BDI	5/3
13	Kamalpreet Kaur, Baljit Singh and Mandeep Kaur, SPECKLE NOISE REDUCTION USING 2-D FFT IN ULTRASOUND IMAGES, International Journal of Advances in Engineering & Technology, Sept 2012. ISSN: 2231-1963, Vol. 4, Issue 2, pp. 79-83	BDI	5/3
14	Shibin Wu, Qingsong Zhu, Yaoqin Xie, Evaluation of various speckle reduction filters on medical ultrasound images. Conference proceedings: ... Annual International Conference of the IEEE Engineering in Medicine and Biology Society. IEEE Engineering in Medicine and Biology Society. Conference 07/2013; 2013:1148-1151. DOI:10.1109/EMBC.2013.6609709	BDI	5/3
15	Liviu-Teodor CHIRA, RESOLUTION IMPROVEMENT OF ULTRASOUND IMAGES USING DECONVOLUTION AND SUPER-RESOLUTION ALGORITHMS, Volume 52, Number 4, 2011, ACTA TECHNICA NAPOCENSIS, Electronics and Telecommunications	BDI	5/3
16	Kongo, R.M., Masmoudi, L. ; El Kadmiri, O. ; Hassanain, N. ; Cherkaoui, M., Dual-tree complex wavelet in medical ultrasounds images restoration, International Conference on Multimedia Computing and Systems (ICMCS), 2012, 10-12 May 2012, Page(s): 297 - 303 Print ISBN: 978-1-4673-1518-0, INSPEC Accession Number:13058244, Conference Location: Tangier Doi: 10.1109/ICMCS.2012.6320176	BDI	5/3
17	Francesco Adamo, Gregorio Andria, Filippo Attivissimo, Anna Maria Lucia Lanzolla, Maurizio Spadavecchia, A comparative study on mother wavelet selection in ultrasound image denoising, Measurement, Volume 46, Issue 8, October 2013, Pages 2447–2456	WoS	10/3
18	Smriti Sahu, Maheedhar Dubey, Mohammad Imroze Khan, Jitendra Kumar, Comparative Evaluation of Filters for Liver Ultrasound Image Enhancement , International Journal of Emerging Trends & Technology in Computer Science (IJETTCS) Volume 2, Issue 1, January – February 2013	BDI	5/3
19	N Sharma, Y Kumar, A SYSTEMATIC APPROACH FOR DESPECKLING OF MEDICAL ULTRASOUND IMAGES- International Journal of Computer Science, 2013, 3(4), 9 - 12.	BDI	5/3
20	Mredhula.L, M.A.Dorairangaswamy, An Extensive Review of Significant Researches on Medical Image Denoising Techniques International Journal of Computer Applications (0975–8887) Volume 64–No.14, February 2013	BDI	5/3
21	Siti Arpah Ahmad, Mohd Nasir Taib, Noor Elaiza Abdul Khalid and Haslina Taib, Correlation between Quantitative and Qualitative Analysis on Image Quality of Digital Dental X-ray Images, Journal of Computer Science & Computational Mathematics, Volume 2, Issue 8, 2012 pp 43-51	BDI	5/3
22	Nagashettappa Biradar, M.L.Dewal, ManojKumar Rohit, SPECKLE NOISE REDUCTION USING HYBRID TMAV BASED FUZZY FILTER, IJRET: International Journal of Research in Engineering and Technology, Volume: 03 Special Issue: 03 | May-2014 | NCRIET-2014, pp 113-118	BDI	5/3
23	Sudan University of Science and Technology, College of Graduates Studies Detection of Liver Diseases in Computed Tomography Scan Images Using Artificial Neural Networks A Thesis Submitted in partial fulfillment of the requirement for the M.Sc. Degree in Biomedical Engineering By: Sahar Rahamtallah Gadeen Supervisor: Dr. Zeinab Adam Mustafa September 2016, http://repository.sustech.edu/bitstream/handle/123456789/14274/Detection%20of%20Liver...%20.pdf?sequence=1&isAllowed=y	BDI	3/3
24	A Review on Noise Reduction from Medical Images Ishani Thakur, Manish Kansal International Research Journal of Engineering and Technology (IRJET), Volume: 03 Issue: 06 | June-2016, pp 2521-2523	BDI	5/3
25	An Artificial Intelligence Based Speckle Noise Reduction for Medical Images Ishani Thakur, Navjot Kaur, Atul Mishra International Journal of Scientific & Engineering Research, Volume 7, Issue 6, June-2016, pp 716-720	BDI	5/3

Nr. publ. *k*	Referinţa bibliografică a publicaţiei *k* care citează **lucrarea *i* a candidatului**		
26	J. Gil-González, A. Álvarez-Meza, J. Echeverry-Correa, A. OrozcoGutiérrez and M. Álvarez-López, "Enhancement of nerve structure segmentation by a correntropy-based pre-image approach", TecnoLógicas, vol. 20, no. 39, 2017.	BDI	5/3
27	R.Saranya, S. Uma Maheswari, A Literature Review on Computer Assisted Detection of Follicles in Ultrasound Images of Ovary International Journal of Computer Applications (0975 – 888) Volume 48– No.12, June 2012	BDI	5/3
		Total	**49,33**
NICOLAE, M. C.; MORARU, L.: 2011. Image Analysis of Kidney Using Wavelet Transform. Annals of the University of Craiova, Mathematics and Computer Science Series, Volume 38(1), pages 27–34, ISSN: 1223-6934.			
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2	SOLITONS AND OTHER SOLUTIONS TO LONG-WAVE SHORT-WAVE INTERACTION EQUATION By: Triki, H.; Mirzazadeh, M.; Bhrawy, A. H.; et al. ROMANIAN JOURNAL OF PHYSICS Volume: 60 Issue: 1-2 Pages: 72-86 Published: 2015	WoS	10/5
3	THIRRING OPTICAL SOLITONS WITH SPATIO-TEMPORAL DISPERSION By: Vega-Guzman, Jose; Hilal, E. M.; Alshaery, A. A.; et al. PROCEEDINGS OF THE ROMANIAN ACADEMY SERIES A-MATHEMATICS PHYSICS TECHNICAL SCIENCES INFORMATION SCIENCE Volume: 16 Issue: 1 Pages: 41-46 Published: JAN-MAR 2015	WoS	10/5
4	INTEGRATION OF COMPLEX-VALUED KLEIN-GORDON EQUATION IN Phi-4 FIELD THEORY By: Mirzazadeh, M.; Eslami, M.; Bhrawy, A. H.; et al. ROMANIAN JOURNAL OF PHYSICS Volume: 60 Issue: 3-4 Pages: 293-310 Published: 2015	WoS	10/5
5	ANGULAR VECTOR SOLITONS OF THE COUPLED NONLINEAR SCHRODINGER EQUATIONS WITH SPATIALLY MODULATED NONLINEARITIES By: Cao, Ruo-Yun; Zhong, Wei-Ping; Mihalache, Dumitru ROMANIAN REPORTS IN PHYSICS Volume: 67 Issue: 2 Pages: 375-385 Published: 2015	WoS	10/5
6	ON THE EXACT SOLUTIONS OF NONLINEAR LONG-SHORT WAVE RESONANCE EQUATIONS By: Jafari, H.; Soltani, R.; Khalique, C. M.; et al. ROMANIAN REPORTS IN PHYSICS Volume: 67 Issue: 3 Pages: 762-772 Published: 2015	WoS	10/5
7	SOLITONS AND OTHER SOLUTIONS TO GARDNER EQUATION BY SIMILARITY REDUCTION By: Guo, Y. C.; Biswas, A.	WoS	10/5

	ROMANIAN JOURNAL OF PHYSICS Volume: 60 Issue: 7-8 Pages: 961-970 Published: 2015		
8	EXACT SOLUTIONS OF THE GENERALIZED POCHHAMMER-CHREE EQUATION WITH SIXTH-ORDER DISPERSION By: Triki, Houria; Benlalli, Abdelkrim; Wazwaz, Abdul-Majid ROMANIAN JOURNAL OF PHYSICS Volume: 60 Issue: 7-8 Pages: 935-951 Published: 2015	WoS	10/5
9	GENERALIZED LAGUERRE-GAUSS-RADAU SCHEME FOR FIRST ORDER HYPERBOLIC EQUATIONS ON SEMI-INFINITE DOMAINS By: Bhrawy, A. H.; Hafez, R. M.; Alzahrani, E. O.; et al. ROMANIAN JOURNAL OF PHYSICS Volume: 60 Issue: 7-8 Pages: 918-934 Published: 2015	WoS	10/5
10	CONSERVATION LAWS AND SYMMETRIES OF mKdV-KP EQUATION By: Hashemi, M. S.; Abbasbandy, S.; Alhuthali, M. S.; et al. ROMANIAN JOURNAL OF PHYSICS Volume: 60 Issue: 7-8 Pages: 904-917 Published: 2015	WoS	10/5
11	LOCALIZED STRUCTURES IN NONLINEAR OPTICAL MEDIA: A SELECTION OF RECENT STUDIES By: Mihalache, Dumitru ROMANIAN REPORTS IN PHYSICS Volume: 67 Issue: 4 Pages: 1383-1400 Published: 2015	WoS	10/5
12	SYMMETRY ANALYSIS AND CONSERVATION LAWS OF THE QUANTUM ZAKHAROV EQUATIONS FOR PLASMAS By: Buhe, Eerdun; Wang, Gangwei; Bai, Xiu ROMANIAN JOURNAL OF PHYSICS Volume: 60 Issue: 9-10 Pages: 1361-1373 Published: 2015	WoS	10/5
13	SOLITARY WAVES AND OTHER SOLUTIONS TO KADOMTSEV-PETVIASHVILI EQUATION WITH SPATIO-TEMPORAL DISPERSION By: Fard, Nazila Y.; Foroutan, Mohammad R.; Eslami, Mostafa; et al. ROMANIAN JOURNAL OF PHYSICS Volume: 60 Issue: 9-10 Pages: 1337-1360 Published: 2015	WoS	10/5
14	Exact solutions of the generalized (2+1)-dimensional nonlinear evolution equations via the modified simple equation method By: Al-Amr, Mohammed O. COMPUTERS & MATHEMATICS WITH APPLICATIONS Volume: 69 Issue: 5 Pages: 390-397 Published: MAR 2015	WoS	10/5
15	SOLITON STRUCTURES OF SOME GENERALIZED NONLINEAR DISPERSION EVOLUTION SYSTEMS By: Inc, Mustafa; Kilic, Bulent PROCEEDINGS OF THE ROMANIAN ACADEMY SERIES A-MATHEMATICS PHYSICS TECHNICAL SCIENCES INFORMATION SCIENCE Volume: 16 Issue: 3 Pages: 430-436 Published: JUL-SEP 2015	WoS	10/5
16	BRIGHT AND DARK SOLITON SOLUTIONS OF THE GENERALIZED ZAKHAROV-KUZNETSOV-BENJAMIN-BONA-MAHONY NONLINEAR EVOLUTION EQUATION By: Guner, Ozkan; Bekir, Ahmet; Moraru, Luminita; et al. PROCEEDINGS OF THE ROMANIAN ACADEMY SERIES A-MATHEMATICS PHYSICS TECHNICAL SCIENCES INFORMATION SCIENCE Volume: 16 Issue: 3 Pages: 422-429 Published: JUL-SEP 2015	WoS	10/5
17	OPTICAL SOLITONS IN BIREFRINGENT FIBERS BY LIE SYMMETRY ANALYSIS By: Kumar, Sachin; Zhou, Qin; Bhrawy, Ali H.; et al. ROMANIAN REPORTS IN PHYSICS Volume: 68 Issue: 1 Pages: 341-352 Published: 2016	WoS	10/5
18	ON SOLITON DYNAMICS OF THE GENERALIZED FISHER EQUATION WITH TIME-DEPENDENT COEFFICIENTS By: Triki, Houria; Wazwaz, Abdul-Majid ROMANIAN REPORTS IN PHYSICS Volume: 68 Issue: 1 Pages: 65-78 Published: 2016	WoS	10/5
19	SOLUTIONS OF THE QUASI-EXACTLY SOLVABLE MATHIEU POTENTIAL BY THE ASYMPTOTIC ITERATION METHOD By: Panahi, H.; Baradaran, M.; Azizian, S. R. ROMANIAN REPORTS IN PHYSICS Volume: 68 Issue: 1 Pages: 56-64 Published: 2016	WoS	10/5
20	SOLITONS AND SHOCK WAVES TO ZAKHAROV-KUZNETSOV EQUATION WITH DUAL-POWER-LAW NONLINEARITY IN PLASMAS By: Krishnan, E. V.; Zhou, Qin; Biswas, Anjan PROCEEDINGS OF THE ROMANIAN ACADEMY SERIES A-MATHEMATICS PHYSICS TECHNICAL SCIENCES INFORMATION SCIENCE Volume: 17 Issue: 2 Pages: 137-143 Published: APR-JUN 2016	WoS	10/5
21	Conservation laws of coupled semilinear wave equations By: Anco, Stephen C.; Khalique, Chaudry Masood Conference: 3rd International Workshop on Nonlinear and Modern Mathematical Physics (NMMP) Location: African Inst Math Sci, Cape Town, SOUTH AFRICA Date: APR 09-11, 2015 INTERNATIONAL JOURNAL OF MODERN PHYSICS B Volume: 30 Issue: 28-29 Published: NOV 20 2016	WoS	10/5
22	Constructing two powerful methods to solve the Thomas–Fermi equation A. Akgül, M. S. Hashemi, M. Inc, S. A. Raheem NONLINEAR DYNAMICS Volume: 87 Issue: 2 Pages: 1435-1444 Published: JAN 2017 doi:10.1007/s11071-016-3125-2	WoS	10/5
23	Group preserving scheme and reproducing kernel method for the Poisson–Boltzmann equation for semiconductor devices Ali Akgül, Mustafa Inc, Mir Sajjad Hashemi NONLINEAR DYNAMICS Volume: 88 Issue: 4 Pages: 2817-2829 Published: JUN 2017. doi:10.1007/s11071-017-3414-4	WoS	10/5
24	Lie Symmetry, Full Symmetry Group and Exact Solutions to the (2+1)-Dimensional Dissipative AKNS Equation Zheng-Yi Ma, Hui-Lin Wu, Quan-Yong Zhu Romanian Journal of Physics 62, article no 114 (2017), http://www.nipne.ro/rjp/accepted_papers.html	WoS	10/5
25	Analytical treatment of the couple stress fluid-filled thin elastic tubes Mir Sajjad Hashemi. Mustafa Inc, AliAkgül Optik - International Journal for Light and Electron Optics Volume 145, September 2017, Pages 336-345	WoS	10/5
		Total	**50**
S. Moldovanu, L. Moraru, D. Bibicu, Characterization of myocardium muscle biostructure using first order features, Digest Journal of Nanomaterials and Biostructures, Vol. 6, No 3, July - September 2011, p. 1357-1365			
1	Computer-aided diagnosis of Myocardial Infarction using ultrasound images with DWT, GLCM and HOS methods: A comparative study By: Sudarshan, Vidya K.; Ng, E. Y. K.; Acharya, U. Rajendra; et al. COMPUTERS IN BIOLOGY AND MEDICINE Volume: 62 Pages: 86-93 Published: JUL 1 2015	WoS	10/3
2	Automated Identification of Infarcted Myocardium Tissue Characterization Using Ultrasound Images: A Review (Review) By: Sudarshan, V., Acharya, U.R., Ng, E.Y.-K., Meng, C.S., Tan, R.S., Ghista, D.N	BDI	5/3

	IEEE Reviews in Biomedical Engineering Volume 8, 2015, Article number 6805179, Pages 86-97		
3	A novel computational CT image analysis method for classifying nodules from normal thyroid tissue By: Peng, W., Liu, C., Xia, S., Chen, Y., Xie, F. 2015 IET International Conference on Biomedical Image and Signal Processing, ICBISP 2015; Beijing; China; 19 November 2015 IET Conference Publications,	BDI	5/3
4	INFARCTED LEFT VENTRICLE CLASSIFICATION FROM CROSS-SECTIONAL ECHOCARDIOGRAMS USING RELATIVE WAVELET ENERGY AND ENTROPY FEATURES By: Sudarshan, Vidya K.; Ng, E. Y. K.; Acharya, U. Rajendra; et al. JOURNAL OF MECHANICS IN MEDICINE AND BIOLOGY Volume: 16 Issue: 1 Special Issue: SI Article Number: 1640009 Published: FEB 2016	WoS	10/3
5	Data mining framework for identification of myocardial infarction stages in ultrasound: A hybrid feature extraction paradigm (PART 2) By: Sudarshan, Vidya K.; Acharya, U. Rajendra; Ng, E. Y. K.; et al. COMPUTERS IN BIOLOGY AND MEDICINE Volume: 71 Pages: 241-251 Published: APR 1 2016	WoS	10/3
6	An integrated index for automated detection of infarcted myocardium from cross-sectional echocardiograms using texton-based features (Part 1) By: Sudarshan, Vidya K.; Acharya, U. Rajendra; Ng, E. Y. K.; et al. COMPUTERS IN BIOLOGY AND MEDICINE Volume: 71 Pages: 231-240 Published: APR 1 2016	WoS	10/3
7	Computer aided diagnosis of Coronary Artery Disease, Myocardial Infarction and carotid atherosclerosis using ultrasound images: A review, By: Oliver Faust, U. Rajendra Acharya, Vidya K. Sudarshan, Ru San Tan, Chai Hong Yeong, Filippo Molinari, Kwan Hoong Ng Physica Medica 33 (2017) 1–15, http://dx.doi.org/10.1016/j.ejmp.2016.12.005	WoS	10/3
		Total	**20**
Singular optical solitons in birefringent nano-fibers **Michelle Savescu, Qin Zhou, Luminita Moraru, Anjan Biswas, Seithuti P. Moshokoa, Milivoj Belic** **Optik Int. J. Light Electron Opt 127 (20) (2016) 8995–9000.** http://dx.doi.org/10.1016/j.ijleo.2016.06.089 0030-4026			
1	Optical solitons with higher order dispersions in parabolic law medium by trial solution approach Ahmed H. Arnous, Mohammad Mirzazadeh, Qin Zhou, Seithuti P. Moshokoa, Anjan Biswas, Milivoj Belic Optik - International Journal for Light and Electron Optics, Volume 127, Issue 23, December 2016, Pages 11306–11310	WoS	10/6
2	Solitons and Other Solutions for the Generalized KdV–mKdV Equation with Higher-order Nonlinear Terms By: Zayed El-Sayed Mohamed El-Sayed, Al-Nowehy Abdul-Ghani The Journal of Partial Differential Equations, *J. Part. Diff. Eq., 29 (2016), pp. 218-245.*	WoS	10/6
3	Solitons and other exact solutions for a class of nonlinear Schrodinger-type equations By: Zayed, E. M. E.; Al-Nowehy, Abdul-Ghani OPTIK Volume: 130 Pages: 1295-1311 Published: 2017	WoS	10/6
4	Optical solitons in birefringent fibers with Kerr nonlinearity by exp-function method (Article) Ekici, M., Mirzazadeh, M., Sonmezoglu, A., Zhou, Q., Triki, H., Ullah, M.Z., Moshokoa, S.P., Biswas, A. Optik, Volume 131, 1 February 2017, Pages 964-976	WoS	10/6
5	Optical solitons in birefringent fibers with modified simple equation method Ahmed H. Arnous, Malik Zaka Ullah, Seithuti P. Moshokoa, Qin Zhou, Houria Triki, Mohammad Mirzazadeh, Anjan Biswas Optik - International Journal for Light and Electron Optics, Volume 130, February 2017, Pages 996–1003	WoS	10/6
6	Jacobian elliptic periodic traveling wave solutions in the negative-index materials By: Rizvi, Syed Tahir Raza; Ali, Kashif NONLINEAR DYNAMICS Volume: 87 Issue: 3 Pages: 1967-1972 Published: FEB 2017doi:10.1007/s11071-016-3166-6	WoS	10/6
7	Exact Solutions and Optical Soliton Solutions of the Nonlinear Biswas-Milovic Equation with Dual-Power Law Nonlinearity By: Zayed, E. M. E.; Al-Nowehy, A. -G. ACTA PHYSICA POLONICA A Volume: 131 Issue: 2 Pages: 240-251 Published: FEB 2017	WoS	10/6
8	Optical and other solitons for the fourth-order dispersive nonlinear Schrodinger equation with dual-power law nonlinearity Maysaa Mohamed Al Qurashi, Abdullahi Yusuf, Aliyu Isa Aliyu, Mustafa Inc Superlattices and Microstructures 105 (2017) 183-197	WoS	10/6
		Total	**13,33**
Luminita Moraru, **Dorin Bibicu, Anjan Biswas, Standalone functional CAD system for multi-object case analysis in hepatic disorders", Computers in Biology and Medicine , 2013, 43 (2013), pp. 967-974, DOI: 10.1016/j.compbiomed.2013.04.014 Scor relativ de influenta 0.65412, ISSN: 0010-4825**			
1	Multi-level image thresholding using Otsu and chaotic bat algorithm Suresh Chandra Satapathy, N. Sri Madhava Raja, V. Rajinikanth, Amira S. Ashour, Nilanjan Dey Neural Comput & Applic (2016). doi:10.1007/s00521-016-2645-5	WoS	10/3
		Total	**3,33**
Simona Moldovanu, **Luminița Moraru**, Anjan Biswas, EDGE-BASED STRUCTURAL SIMILARITY ANALYSIS IN BRAIN MR IMAGES, Journal of Medical Imaging and Health Informatics, Volume: 6 Issue: 2 Pages: 539-546 Published: APR 2016			
1	A case study of fault-tolerant biological systems with MRI images By: Elamaran V, Narasimhan K, Balaji VS, Chandrasekar M and Har Narayan Upadhyay Biomedical Research, 28 (12): 5247-5251, 2017, http://www.alliedacademies.org/articles/a-case-study-of-faulttolerant-biological-systems-with-mri-images.html	WoS	10/3
		Total	**3,33**
SIMONA MOLDOVANU, LUMINIȚA MORARU, ANJAN BISWAS, **ROBUST SKULL STRIPPING SEGMENTATION BASED ON IRRATIONAL MASK FOR MAGNETIC RESONANCE BRAIN IMAGES,** **JOURNAL OF DIGITAL IMAGING. 2015, DOI: 10.1007/s10278-015-9776-6, Volume 28, Issue 6 (2015), Page 738-747, ISSN 0897-1889**			

1	Pathological Brain Detection by Artificial Intelligence in Magnetic Resonance Imaging Scanning By: Wang, Shuihua; Zhang, Yin; Zhan, Tianmin; et al. PROGRESS IN ELECTROMAGNETICS RESEARCH-PIER Volume: 156 Pages: 105-133 Published: 2016	BDI	5/3
2	Modified cuckoo search algorithm in microscopic image segmentation of hippocampus By:Shouvik Chakraborty, Sankhadeep Chatterjee, Nilanjan Dey, Amira S. Ashour, Ahmed S. Ashour, Fuqian Shi, Kalyani Mali Microsc Res Tech. 2017;1–22. DOI: 10.1002/jemt.22900	WoS	10/3
		Total	5
M. Vlad, L. Moraru, Effect of dissolved oxygen on the surface tension of liquid Copper, Conference: 9th International Symposion on Light Metals Production, At Tromso - Transheim Norway, Volume: Proceeding pag. 201-206, AUGUST 1997			
1	J. Lee, Y Kang, M Abbasi, Effect of oxygen adsorption on surface tension of liquid copper: Experiments and thermodyn... Applied Surface Science 09/2014; 313 (15 September 2014):116–122. DOI:10.1016/j.apsusc.2014.05.153	WoS	10/2
		Total	5
L. Moraru *Thermopower of molten aluminum*, Acta Physica Polonica A, A104, pg 515-525, 2003. ISSN 0587-4246			
1	The thermoelectric power of Al-0.99 wt.% Fe alloys in the AC magnetic field. By: Lan Q, Zhang J, Liu X, Le Q, Yin S, Liu Y, Cui J. J Phys Condens Matter. 2017 Apr 20;29(15):155101. doi: 10.1088/1361-648X/aa5e8e	WoS	10/1
		Total	10
Michelle Savescu, Kaisar R. Khan, Preeti Naruka, Hossein Jafari, Luminita Moraru, and Anjan Biswas, Optical Solitons in Photonic Nano Waveguides with an Improved Nonlinear Schrödinger's Equation, Journal of Computational and Theoretical Nanoscience (J. Comput. Theor. Nanosci.) 10, 1182-1191 (2013) ISSN: 1546-1955, http://www.aspbs.com/, http://www.scopus.com/inward/record.url?eid=2-s2.0-84879657782&partnerID=MN8TOARS			
1	Application of Bernoulli Sub-ODE Method For Finding Travelling Wave Solutions of Schr¨odinger Equation Power Law Nonlinearity By: Nasir Taghizadeh, Mozhgan Akbari, & Parirokh Esmaeelnejhad Applications and Applied Mathematics: An International Journal (AAM), Vol. 12, Issue 1 (June 2017), pp. 596 – 603	BDI	5/6
2	Nonlinear Schrödinger equations with spatio-temporal dispersion in Kerr, parabolic, power and dual power law media: A novel extended Kudryashov's algorithm and soliton solutions Yakup Yı ldırım, Nisa Çelik, Emrullah Yaşar Results in Physics Available online 12 August 2017, https://doi.org/10.1016/j.rinp.2017.08.008	WoS	10/6
		Total	2,5

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1	AUTOMATION BENEFITS IN THE FORMATION PROCESS OF LEAD-ACID BATTERIES Márcio Duarte Zanconato, Beatriz Braido de Rossi, Herbert Duchatsch Johansen, Márcia Rodrigues de Morais Chaves, Beatriz Antoniass Independent Journal of Management & Production, Vol 8, No 1 (2017) (http://ijmp.jor.br/index.php/ijmp/article/view/498/638)	***BDI***	***5/2***
		Total	2,5

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1	COMPREHENSIVE QUALITY ASSESSMENT IN HIGHER EDUCATION Maria Stepanova English Studies at NBU, 2(2), 77-88. Retrieved from http://esnbu.org/data/files/2016/2016-2-2-stepanova-pp77-88.pdf	WoS	10/1
2	Young Ha Cho , (2017) "Towards an engaged campus: Measuring and comparing definitive stakeholders' perceptions of university social engagement in South Korea", International Journal of Sustainability in Higher Education, Vol. 18 Iss: 2, pp.185 - 202 DOI http://dx.doi.org/10.1108/IJSHE-12-2015-0194	WoS	10/1
		Total	**20**

Moraru, L., Moldovanu, S., Bibicu, D., & Stratulat, M. (2013). Hemorrhage detection in MRI brain images using images features. In M. Bunoiu, C. G. Biris, & N. Avram (Eds.), AIP Conference Proceedings (Vol. 1564, No. 1, pp. 171–177), AIP.			
1	Modified cuckoo search algorithm in microscopic image segmentation of hippocampus By:Shouvik Chakraborty, Sankhadeep Chatterjee, Nilanjan Dey, Amira S. Ashour, Ahmed S. Ashour, Fuqian Shi, Kalyani Mali Microsc Res Tech. 2017;1–22. DOI: 10.1002/jemt.22900	WoS	10/3
		Total	3,33
De-Noising Ultrasound Images of Colon Tumors Using Daubechies Wavelet Transform By: Moraru, Luminita; Moldovanu, Simona; Nicolae, Mariana Carmen Edited by: Bunoiu, M; Malaescu, I Conference: Physics Conference (TIM) Location: Timisoara, ROMANIA Date: NOV 25-27, 2010 , Sponsor(s): W Univ, Fac Phys PHYSICS CONFERENCE (TIM-10) Book Series: AIP Conference Proceedings Volume: 1387 Published: 2011			
1	MULTI-RESOLUTION ANALYSIS OF WAVELET LIKE SOLITON SOLUTION OF KdV EQUATION By: Bhosale, Bharat; Moraru, Luminita; Ahmed, Bouthina S.; et al. PROCEEDINGS OF THE ROMANIAN ACADEMY SERIES A-MATHEMATICS PHYSICS TECHNICAL SCIENCES INFORMATION SCIENCE Volume: 15 Issue: 1 Pages: 18-26 Published: JAN-MAR 2014	WoS	10/3
		Total	3,33

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1	M-Ali H. Al-Akhras, Borhan A. Albiss, Moath S. Alqudah, Taleb S. Odeh, Environmental Pollution of Cell-Phone Towers: Detection and Analysis Using Geographic Information System, Jordan Journal of Earth and Environmental Sciences, Volume 7, (Number 2), Dec, 2015, Pages 77 - 85	BDI	5/2
2	A. R. S. N. Dianah, S. N. Hazmin, R. Umar, M. K. A. Kamarudin and A. N. Dagang A REVIEW ON ELECTROMAGNETICS (EM) EXPOSURE MEASUREMENT TECHNIQUES FROM BASE STATION Journal of Fundamental and Applied Sciences, 2017, 9(2S), 182-198	BDI	5/2
		Total	**5**
	Criteriul 3.1 Citări in reviste ISI si BDI realizat **Total**		**1228,57**

A3.3 Membru in colectivele de redactie sau comitete stiintifice al revistelor si manifestarilor stiintifice, organizator de manifestari stiintifice / Recenzent pentru reviste si manifestari stiintifice nationale si internationale indexate ISI

3.3.1. Recenzent pentru reviste ISI		
2011	International Journal of the Physical Sciences	**10**
2012	Journal of Optic&Laser Technology: International Journal of the Physical Sciences Indian Journal of Pure & Applied Physics Electric Power Components and Systems Nonlinear Dynamics IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY, Collegium Antropologicum Journal, International Journal of Physical Sciences Applied Mathematics and Computation Nonlinear Dynamics Acta Physica Polonica A Advances in High Energy Physics Indian Journal of Pure & Applied Physics Scientia Iranica Zeitschrift für Naturforschung A – Physical Sciences	10x15= **150**
2013	Electric Power Components and Systems International Journal of Biomathematics Journal of Optics & Laser Technology Computers in Biology and Medicine Frontiers of Physics Jurnal of Ocean Engineering Physica Medica: European Journal of Medical Physics Journal of Modern Optics International Journal of Numerical Methods for Heat and Fluid Flow Journal of Educational Research and Reviews Acta Physica Polonica A	10x11= **110**
2014	Journal of Optics & Laser Technology IET Computer Vision African Journal of Engineering Research (AJER) Journal of Materials Engineering and Performance Computational and Mathematical Methods in Medicine International Journal of Computer Assisted Radiology and Surgery Biomedical Signal Processing and Control Optica Applicata Ultrasonics Medical Engineering & Physics Neural Computing and Applications Cardiology and Angiology: An International Journal IET Image Processing Optoelectronics and Advanced Materials – Rapid Communications Applied Mathematics Letters	10x15= **150**
2015	Nonlinear Dynamics Biomedical Signal Processing and Control Optica Applicata Physica Medica: European Journal of Medical Physics Journal of Optoelectronics and Advanced Materials Optoelectronics and Advanced Materials – Rapid Communications Journal of Visual Communication and Image Representation British Journal of Mathematics & Computer Science Ocean Engineering Acta Radiologica	14x10+8= **148**

	Computers in Biology and Medicine The European Physical Journal – Plus Journal of Modern Optics Journal of Medical Systems Journal of ICT Research and Applications --- BDI	
2016	Ultrasonics Journal of Modern Optics Acta Radiologica Biomedical Signal Processing & Control Acta Physica Polonica A Optoelectronics and Advanced Materials – Rapid Communications (2) IET Computer Vision Neural Computing and Applications (7) Entropy (2) Nonlinear Dynamics TIM 15-16 Physics Conference (2 articole) CSSD- 2016 –(17 lucrari) Sensors Recent Patents on Computer Science (BDI)	12x10+2x8= **136**
2017	Neural Computing and Applications Computational Biology and Chemistry Electrical Engineering Journal of Optoelectronics and Advanced Materials Reviews in Biomedical Engineering Microscopy Research and Technique Computers and Electronics in Agriculture Biomedical Signal Processing and Control Cognitive Computation Journal of Information Technology and Management IETE Journal of Research Journal of Circuits, Systems, and Computers IET Computer Vision Genomics Book: Healthcare data, Healthcare information system, Big data, electronic medical records, Data analytics, Data management, Health information technologies. Eds. Nilanjan Dey, Amira S. Ashour, Chintan Bhatt, Simon James Fong, Elsevier S&T Books Book: Social Network Analysis–Methods & Techniques, Eds. NilanjanDey, Samarjeet Borah, Amira S. Ashour, Rosalina Babo, Elsevier Book: Advances in ubiquitous sensing applications for healthcare by Dr. Nilanjan Dey, Dr. Amira S. Ashour, and Dr. Simon James Fong, Elsevier Heathcare Book Series, 2017 Book: Machine Learning in Bio-Signal Analysis and Diagnostic Imaging, Biomedical Engineering, Elsevier	14x10+4x10= **180**
	Total	**904**
3.3.2 BDI Membru in colectivele de redactie sau comitete stiintifice al revistelor		
1.	Scientific Workshop Session, Doctoral Scohol of Applied Sciences , Galati, June 4-5, 2009, publicat in THE ANNALS OF THE "DUNĂREA DE JOS" UNIVERSITY OF GALAŢI, MATHEMATICS, PHYSICS, CHEMISTRY, INFORMATICS, FASCICLE II, SUPPLEMENT, YEAR II (XXXII) 2008, 2009, 2010, 2011, 2012, 2013, 2014,2015,2016	8
2.	2014 Editorial Board of JSM **Mathematics and Statistics** - http://www.j-scimedcentral.com/Mathematics/editors	8
3.	2014 Editorial Board of ***International Journal of Radiology*** Http://www.ghrnet.org/index.php/ijr	8
4.	2016 International Journal of Ambient Computing and Intelligence (IJACI), http://www.igi-global.com/journal/international-journal-ambient-computing-intelligence/1110	8
5.	Editorial Board, International Advisory Board, Luminita Moraru, Dunarea de Jos of Galati, Romania 2016 Clinics in Oncology Journal, http://clinicsinoncology.com/index.php	8
6.	2017 editorial board of **Radiological Techniques and Scans**	8
7.	2017 **Advances in Geospatial Technologies (AGT): 10 Volumes** Series Editor(s): Nilanjan Dey (Techno India College of Technology, India) ISSN: 2327-5715 EISSN: 2327-5723 Member of **Editorial Advisory Board** http://www.igi-global.com/book-series/advances-geospatial-technologies/73686	8
	Total	**72**
3.3.3 BDI nationale si Internationale neindexate		
	INTERNATIONAL JOURNAL OF SCIENCE AND TECHNOLOGY EDUCATION RESEARCH 2013 IECON 2013 - The 39thAnnual Conference of the IEEE Industrial Electronics Society 10th -13thof November 2013, Austria Center, Vienna, Austria 2013	4x5= 20

	The 2nd International Conference on Biomedical Engineering and Biotechnology(ICBEB 2013); Section Bio-Medical Materials and Engineering (http://www.icbeb.org/) http://www.icbeb.org/papersub/TopContributors.aspx 2013 Revista de Fizica Medicala 2014	
	Total	***20***
3.4 Experienta de management, analiza si evaluare in cercetare si/sau invatamant		
		2*ani desfasurare
	2006 Membru permanent ARACIS, Comisia C1 Stiinte exacte si stiinte ale naturii	22
	2015, 2016 Expert permanent Colegiul Consultativ pentru Cercetare, Dezvoltare şi Inovare, CCCDI, comisia de specialitate Sanatate	4
	2017, Expert permanent Colegiul Consultativ pentru Cercetare, Dezvoltare şi Inovare, CCCDI, comisia de specialitate nr. 5 - Eco-Nanotehnologii si Materiale Avansate	2
	2016 CNSPIS –UEFISCDI Consiliului National de Statistica si Prognoza a Invatamantului Superior CNSPIS/Ministerul Educatiei si Cercetarii Stiintifice/ UEFISCDI	4
	Total	**32**
3.5. Premii		
	Competitie PLANUL NAŢIONAL DE CERCETARE, DEZVOLTARE ŞI INOVARE 2007-2014, PNII /Premierea Rezultatelor Cercetarii/UEFISCDI PRECISI - 2015- 9-8239	**15**
	Competitie PLANUL NAŢIONAL DE CERCETARE, DEZVOLTARE ŞI INOVARE 2007-2014, PNII /Premierea Rezultatelor Cercetarii/UEFISCDI PRECISI - 2015- 9-8246	**15**
	Competitie PLANUL NAŢIONAL DE CERCETARE, DEZVOLTARE ŞI INOVARE 2007-2014, PNII /Premierea Rezultatelor Cercetarii/UEFISCDI PN-II-RU-PRECISI-2014-8-5765	**15**
	Competitie PLANUL NAŢIONAL DE CERCETARE, DEZVOLTARE ŞI INOVARE 2007-2014, PNII /Premierea Rezultatelor Cercetarii/UEFISCDI PRECISI - 2014- Proposal no 6849/ PN-II-RU-PRECISI-2014-8-5465	**15**
	Competitie PLANUL NAŢIONAL DE CERCETARE, DEZVOLTARE ŞI INOVARE 2007-2014, PNII /Premierea Rezultatelor Cercetarii/UEFISCDI PRECISI - 2014- Proposal no 7037/ PN-II-RU-PRECISI-2014-8-5372	**15**
	Competitie PLANUL NAŢIONAL DE CERCETARE, DEZVOLTARE ŞI INOVARE 2007-2014, PNII /Premierea Rezultatelor Cercetarii/UEFISCDI PN-II-RU-PRECISI-2014-8-5384	**15**
	Competitie PLANUL NAŢIONAL DE CERCETARE, DEZVOLTARE ŞI INOVARE 2007-2014, Premierea rezultatelor cercetarii: PN-II-RU-PRECISI-2013-7-2577	**15**
	Total	**105**
3.6. Aparteneţa la societăţi ştiinţifice sau profesionale din ţară		
	- Membru al Societatii Române de Fizica SRF, Bucureşti - Membru al Societatii Române de Acustica SRA, Bucureşti - Membru în colectivul Centrului de Cercetare Calitatea Materialelor şi a Mediului - Membru al Platformei Tehnologice ARTEMIS Grupul de lucru pentru România, în domeniul „Intelligent Embedded Systems” - Membru al Platformei Tehnologice Integrata, în domeniul „Networked and Electronic Media”, sustenabilă pe termen lung şi racordată la Platforma Tehnologică Europeană NEM; acronimul: NEM_RO.	**3x5= 15**
	Total	**15**
	Total Activitatea de cercetare (A3) 2376,57 puncte **Minim cerut: 70 puncte** **Grad de realizare: 3252,25%**	

Indicatorul de merit (A=A1+A2+A3)

A= 217,86+1506,29 +2376,57 =4100,72 (minimul impus 530 puncte) grad de realizare 773,72%