A1. Activitatea didactică / profesională

A1.1. Cărți și capitole în cărți de specialitate în edituri recunoscute

A1.1.1. Cărți/ monografii/ capitole ca autor în edituri internaționale (25 pct.)

Nr. crt.	Lucrare
1	Itu, L.M., Sharma, P., **Suciu, C.** (Eds.) *Patient-specific Hemodynamic Computations: Application to Personalized Diagnosis of Cardiovascular Pathologies*, Springer, Heidelberg, Germany, 2017, 234 pag., ISBN: 78-3-319-56852-2, DOI: 10.1007/978-3-319-56853-9. http://www.springer.com/gp/book/9783319568522
	1 lucrare x 25 pct. = 25 pct.

A1.1.2. Cărți/ monografii/ capitole ca autor în edituri naționale (20 pct.)

Nr. crt.	Lucrare
1	**Suciu, C.,** Dafinca, L., Campeanu, R., Blendea, C., *Introduction to Expert Systems. Fuzzy Systems,* Editura Universitatii Transilvania, 2007, ISBN 978-973-635-889-0 (Cod CNCSIS 81).
2	**Suciu, C**., Dănilă,C., Câmpeanu, R., *Electronica de putere,* Editura Universităţii *Transilvania* din Braşov, 2009, ISBN 978-973-598-638-4 (Cod CNCSIS 81).
3	Campeanu, R., **Suciu, C.**, Demeter, R., *Sisteme cu microprocesoare. Limbajul de asamblare,* Editura Universităţii *Transilvania* din Braşov, 2007, ISBN 978-973-635-888-3 (Cod CNCSIS 81).
	3 lucrări x 20 pct. = 60 pct.

Total A1.1 : 85 puncte (4 lucrări)

A1.2. Material didactic / Lucrări didactice

A1.2.1. Manuale didactice (10 pct.)

Nr. crt.	Lucrare
1	Dafinca, L., **Suciu, C.,** *Sisteme Expert in Automatica*, Editura Universităţii *Transilvania* din Braşov, 2017, ISBN 978-606-19-0890-5 (Cod CNCSIS 81).
2	**Suciu, C.,** Itu, L.M., *Introducere în Reţele Industriale de Comunicaţie*, Editura Universităţii *Transilvania* din Braşov, 2017, 98 pag., ISBN: 978-606-19-0885-1 (Cod CNCSIS 81).
	2 lucrări x 10 pct. = 20 pct.

Total A1.2 : 20 puncte (2 lucrări)

Total A1 : 105 puncte

Indicator	Conditii minimale – Profesor	Realizat
A1 - Activitatea didactică / profesională	100	105
A1.1.1 - A1.1.2 Cărți și capitole în cărți de specialitate	4	4
A1.2.1 - Material didactic / Lucrări didactice	2	2

Conf. dr. ing. Constantin Suciu

A2. Activitatea de cercetare

A2.1. Articole în reviste cotate și în volumele unor manifestări științifice indexate ISI proceedings ((25+20 x factor impact) / nr. de autori)

Nr. crt.	Lucrare	Pct.
1	**Suciu, C.,** Kansara, M., Holmes, P.G., Szabo, W., *Phase advancing for current in R-L circuits using switched capacitors*, Electronics Letters, Volume: 35, Issue: 16, 5 Aug 1999,ISSN: 0013-5194,DOI: 10.1049/el:19990923 , (ISI journal, WOS:000082310900007, FI: 1,155,Q3) http://ieeexplore.ieee.org/document/790008/	12,02
2	**Suciu, C.**, Kansara, M., Holmes, P., Szabo, W., *Performance enhancement of an induction motor by secondary impedance control*, IEEE Transactions on Energy Conversion, Volume: 17, Issue: 2, Pages: 211-216,DOI: 10.1109/TEC.2002.1009470, JUN 2002,ISSN: 0885-8969, (ISI Journal,WOS:0001761770000, FI: 3,808,Q1) http://ieeexplore.ieee.org/document/1009470/	25,29
3	Girbea, A., **Suciu, C.**, Nechifor, S., Sisak, F., *Design and Implementation of a Service-Oriented Architecture for the Optimization of Industrial Applications*, IEEE Transactions on Industrial Informatics, Volume: 10, Issue: 1, Pages: 185-196, DOI: 10.1109/ TII.2013.2253112, Feb 2014, (ISI Journal, WOS:000336668600019, FI : 6,764, Q1) http://ieeexplore.ieee.org/document/6481444/	40,07
4	Itu, L. M., Sharma, P., Kamen, A., D., **Suciu, C.,** Comaniciu, D., *Graphics Processing Unit Accelerated One-Dimensional Blood Flow Computation in the Human Arterial Tree*, International Journal on Numerical Methods in Biomedical Engineering, Vol. 29, December, 2013, pp. 1428 – 1455, ISSN: 2040-7947, DOI: 10.1002/cnm.2585 (ISI journal, WOS:000327732300008, FI: 2,192, Q2). http://onlinelibrary.wiley.com/doi/10.1002/cnm.2585/abstract	13,76
5	Itu, L. M., Sharma, P., Passerini T., Kamen, A., D., **Suciu, C.**, Comaniciu, D., *A Parameter Estimation Framework for Patient-specific Hemodynamic Computations*, Journal of Computational Physics, Vol. 281, Jan, 2015, pp. 316-333, ISSN 0021-9991, DOI: 10.1016/j.jcp.2014.10.034 (ISI journal, WOS:000346429300018, FI: 2,744,Q1). http://www.sciencedirect.com/science/article/pii/S0021999114007165	13,31
6	Calmac, L., Niculescu, R., Badila, E., Weiss, E., Zamfir, D., Itu, L.M., Lazar, L., Carp, M., Itu, A., **Suciu, C.,** Passerini, T., Sharma, S., Georgescu, B., Comaniciu, D., *Image-Based Computation of Instantaneous Wave-free Ratio from Routine Coronary Angiography - Initial Validation by Invasively Measured Coronary Pressures*, Journal of the American College of Cardiology, Vol. 66, October 2015, pp. B17-B18, ISSN: 0735-1097, DOI: 10.1016/j.jacc.2015.08.087 (ISI Journal, WOS:000363329000041, FI: 19,896,Q1). http://www.sciencedirect.com/science/article/pii/S0735109715050494	30,2
7	Itu, L. M., Sharma, P., **Suciu, C.,** Moldoveanu, F., Comaniciu, D., *Personalized Blood Flow Computations: A Hierarchical Parameter Estimation Framework for Tuning Boundary Conditions*, International Journal on Numerical Methods in Biomedical Engineering, Vol. 33, March 2017, pp. e02803, ISSN: 2040-7947, DOI: 10.1002/cnm.2803 (ISI journal, WOS:000395407900006, FI: 2,192,Q2). http://onlinelibrary.wiley.com/doi/10.1002/cnm.2803/abstract	13,31
8	Itu, L.M., Passerini, T., Calmac, L., Niculescu, R., Badila, E., Weiss, E., Zamfir, D., Penes, D., Lazar, L., Carp, M., Itu, A., **Suciu, C.,** Sharma, S., Georgescu, B., Comaniciu, D., *Image-Based Computation of Instantaneous Wave-free Ratio from Routine Coronary Angiography - Evaluation of a Hybrid Decision Making Strategy with FFR*, Journal of the American College of Cardiology, Vol. 67, April 2016, pp. 328, ISSN: 0735-1097, DOI: 10.1016/S0735-1097(16)30329-1 (ISI Journal, WOS:000375188701172, FI: 19,896, Q1). http://www.sciencedirect.com/science/article/pii/S0735109716303291	30,20
9	Calmac, L., Niculescu, R., Badila, E., Weiss, E., Zamfir, D., Penes, D., Itu, L.M., Lazar, L.,	28,19

	Carp, M., Itu, A., **Suciu, C.,** Passerini, T., Sharma, S., Georgescu, B., Comaniciu, D., *A data-driven approach combining image-based anatomical features and resting state measurements for the functional assessment of coronary artery disease*, Journal of the American College of Cardiology, Vol. 68, November 2016, pp. B212-B213, ISSN: 0735-1097, DOI: 10.1016/j.jacc.2016.09.664 (ISI Journal, WOS:000398590400054, FI: 19,896, Q1). http://www.sciencedirect.com/science/article/pii/S0735109716359861	
10	**Suciu, C.,** Dafinca, L., Kansara, M., Margineanu, I., *Switched capacitor fuzzy control for power factor correction in inductive circuits*, PESC 2000: 31ST ANNUAL IEEE POWER ELECTRONICS SPECIALISTS CONFERENCE, VOLS 1-3,JUN 18-23, 2000, ISBN:0-7803-5693-4, (ISI Proceedings, IEEE Xplore, WOS:000166883500120) http://ieeexplore.ieee.org/document/879913/	7,5
11	Campeanu, R., **Suciu, C.,** Demeter, R., Optimal Control for Bridge Series Resonant Inverter, 2006 IEEE-TTTC INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS, VOL 1, PROCEEDINGS, Published: 2006,ISBN:1-4244-0360-X, (ISI Proceedings, IEEE Xplore, WOS:000241459500032) http://ieeexplore.ieee.org/document/4022845/	10
12	**Suciu, C.,** Moldoveanu, F. , Campeanu, R. , Baciu, I. , Grigorescu, S.M. , Carstea, B. , Voinea, V., *GPRS Based System for Atmospheric Pollution Monitoring and Warning*, 2006 IEEE International Conference on Automation, Quality and Testing, Robotics, VOL 2, Pages: 193-198,May 25-28, 2006,ISBN:1-4244-0360-X,(ISI Proceedings, IEEE Xplore, WOS:000241464000035) http://ieeexplore.ieee.org/document/4022953/	4,28
13	Campeanu R**., Suciu C.,** Demeter R., *Electronically controlled capacitor*, Proceedings of 10th International Conference on Optimization of Electrical and Electronic Equipment (OPTIM 2006), VOL II: Power Electronics, Electrical Machines & Drivers, pp99-102, May 18-19, 2006,Brasov, ROMANIA, ISBN:978-973-635-704-6, (ISI Proceedings, WOS:000256418400019)	10
14	Moldoveanu, Fl.,**Suciu, C.,** Baciu, I., Grigorescu, S. M., Carstea, B., Voinea, V., *Microcontroller based SCADA system for air pollution monitoring and warning*, Proceedings of 10th International Conference on Optimization of Electrical and Electronic Equipment (OPTIM 2006), VOL III: Industrial Automation And Control,pp 185-190,May 18-19, 2006,Brasov, ROMANIA,ISBN:978-973-635-705-3, (ISI Proceedings, WOS: 000256418900031)	5
15	Danila, A., Margineanu, I., Campeanu, R., **Suciu, C**., *Experimental validation of the dynamic model of a single/two phase induction motor*, 11th International Conference on Optimization of Electrical and Electronic Equipment, May 22-23, 2008, ISBN: 978-1-4244-1544-1,(ISI Proceedings, IEEE Xplore, WOS: 000258258700004), http://ieeexplore.ieee.org/document/4602378/	7,5
16	Danila, A., Margineanu, I., Campeanu, R., **Suciu, C.,** Boian, I., *The optimization of the single/two phase induction motor start-up with electronically switched capacitor*, IEEE International Conference on Automation, Quality and Testing, Robotics,Vol. III, pp. 450-453, May 22-25,2008,ISBN:978-1-4244-2576-1 (ISI Proceedings, IEEE Xplore, WOS: 000259080200083), http://ieeexplore.ieee.org/document/4588962/	6
17	**Suciu, C.,** Campeanu, R.,Campeanu, A., Margineanu, I., Danila, A., *A virtual instrumentation-based on-line determination of a single/two phase induction motor drive characteristics at coarse start-up*, IEEE International Conference on Automation, Quality and Testing, Robotics, Vol. III, pp.440-443, May 22-25 2008, ISBN:978-1-4244-2576-1, (ISI Proceedings, IEEE Xplore, WOS:000259080200080), http://ieeexplore.ieee.org/document/4588959/	6
18	Moldoveanu, F., Boldisor, C., Floroian, D., Suliman, C., **Suciu, C.,** *Intelligent active vision system for autonomous robots*, 12th International Conference on Optimization of Electrical and Electronic Equipment (OPTIM),Pages: 746-753, 20-22 May 2010,ISBN: 978-1-4244-7019-8,(ISI Proceedings, IEEE Xplore, WOS:000291967300107),	6

	http://ieeexplore.ieee.org/document/5510500/	
19	Floroian, D., Moldoveanu, F., Ryvkin, S., **Suciu, C.,** *Surveillance multiagent system using robot vision based on fuzzy controller*, 12th International Conference on Optimization of Electrical and Electronic Equipment (OPTIM), Pages: 819-824, 20-22 May 2010, ISBN: 978-1-4244-7019-8,(ISI Proceedings, IEEE Xplore, WOS:000291967300118), http://ieeexplore.ieee.org/document/5510536/	7,5
20	Itu, L.M., **Suciu, C.,** Postelnicu, A., Moldoveanu, F., *Analysis of Outflow Boundary Condition Implementations for 1D Blood Flow Models*, Proceedings of the 3rd IEEE International Conference on e-Health and Bioengineering – EHB 2011, Iaşi, Romania, November 24÷26, 2011, pp. 467÷470, ISBN: 978-1-4577-0292-1 (ISI Proceedings, IEEE Xplore, WOS:000304806300095). http://ieeexplore.ieee.org/document/6150403/	7,5
21	Girbea, A., **Suciu, C.,** Sisak, F., *An innovative and flexible architecture for industrial automation*, 2012 13th International Conference on Optimization of Electrical and Electronic Equipment (OPTIM), pp. 1085-1092, 24-26 May 2012, ISBN: 978-1-4673-1650-7 , (ISI Proceedings, IEEE Xplore, WOS:000398866700162), http://ieeexplore.ieee.org/document/6231762/	10
22	Tarnauca, B., Puiu, D., Comnac, V**., Suciu, C.,** *Modelling a flexible manufacturing system using reconfigurable finite capacity Petri nets*, 2012 13th International Conference on Optimization of Electrical and Electronic Equipment (OPTIM),VOLS 1-5, pp. 1079-1084, 24-26 May 2012, ISBN: 978-1-4673-1650-7 , (ISI Proceedings, IEEE Xplore, WOS:000398866700161).http://ieeexplore.ieee.org/document/6231954/	7,5
23	Itu, L.M., Sharma P., Kamen, A., **Suciu, C.,** Postelnicu, A., Moldoveanu, F., *GPU Accelerated Simulation of the Human Arterial Circulation*, Proceedings of the 13th International Conference on Optimization of Electrical and Electronic Equipment – OPTIM 2012, Braşov, Romania, May 24-26, 2012, pp. 1478-1485, ISSN: 1842-0133 (ISI Proceedings, IEEE Xplore, WOS:000398866700225). http://ieeexplore.ieee.org/document/6231764/	5
24	Itu, L. M., Sharma, P., Mihalef, V., Kamen, A., **Suciu, C.,** Comaniciu, D., *A Patient-specific Reduced-order Model for Coronary Circulation*, Proc. of the IEEE Inter. Symp. On Biomedical Imaging - ISBI 2012, Barcelona, Spain, May 2-5, 2012, pp. 832-835, ISSN: 1945-7928, ISBN: 978-1-4577-1857-1 (ISI Proceedings, IEEE Xplore, WOS:000312384100209). http://ieeexplore.ieee.org/document/6235677/	5
25	Sharma, P., Itu, L. M., Zheng, X., Kamen, A., Bernhardt, D., **Suciu, C.,** Comaniciu, D., *A Framework for Personalization of Coronary Flow Computations During Rest and Hyperemia*, Proc. of the 34th Annual Inter. Conf. of the IEEE Engineering in Medicine & Biology Society - EMBC 2012, San Diego, California, USA, Aug. 28-Sept. 1, 2012, pp. 6665 - 6668, ISSN: 1557-170X, ISBN: 978-1-4244-4119-8 (ISI Proceedings, IEEE Xplore, WOS:000313296506209). https://www.ncbi.nlm.nih.gov/pubmed/23367458	4,29
26	Itu, L. M., Sharma, P., Zheng, X., Mihalef, V., Kamen, A., **Suciu, C**., *Patient-Specific Modeling and Hemodyanmic Simulation in Healthy and Diseased Coronary Arteries*, Proc. of the ASME 2012 Summer Bioengineering Conference - SBC 2012, Fajardo, Puerto Rico, June 20-23, 2012, ISBN 978-0-7918-4480-9 (ISI Proceedings, Google Scholar, WOS:000325036600291) http://proceedings.asmedigitalcollection.asme.org/proceeding.aspx?articleid=1717999	5
27	Niţă, C., Itu, L. M., **Suciu, C**. *GPU Accelerated Blood Flow Computation using the Lattice Boltzmann Method*, 17th IEEE High Performance Extreme Computing Conference, Waltham, MA, USA, Sept. 10-12, 2013, pp. 1-6, ISBN: 978-1-4799-1364-0 (ISI Proceedings, IEEE Xplore, WOS:000332186600009). http://ieeexplore.ieee.org/document/6670324/	10
28	Itu, L. M., Sharma, P., Kamen, A., D., **Suciu, C.,** Comaniciu, D. *A Novel Coupling Algorithm for Computing Blood Flow in Viscoelastic Arterial Models*, Proc. of the 35th Annual Inter. Conf. of the IEEE Engineering in Medicine & Biology Society - EMBC 2013, Osaka, Japan, July 3-7, 2013, pp. 727-730, ISSN: 1557-170X (ISI Proceedings, IEEE Xplore, WOS:000341702101054).	6

	http://ieeexplore.ieee.org/document/6609603/	
29	Itu, L. M., **Suciu, C.** *A method for modeling surrounding tissue support and its global effects on arterial hemodynamics*, Proc. of IEEE International Conference on Biomedical and Health Informatics – BHI 2014, Valencia, Spain, June 1-4, 2014, pp. 1-4, ISSN: 2168-2194 (ISI Proceedings, IEEE Xplore, WOS:000346504900141). http://ieeexplore.ieee.org/document/6864433/	15
30	Itu, L. M., **Suciu, C.** *An external tissue support model for the arterial wall based on in vivo data*, Proc. of IEEE International Symposium on Medical Measurements and Applications – MeMeA 2014, Lisbon, Portugal, June 11-12, 2014, pp. 1-6, ISBN: 978-1-4799-2922-1 (ISI Proceedings, IEEE Xplore, WOS:000346747000029). http://ieeexplore.ieee.org/document/6860049/	15
31	Itu, L. M., Sharma, P., Georgescu, B., Kamen, A., D., **Suciu, C.,** Comaniciu, D. *Model Based Non-invasive Estimation of PV Loop from Echocardiography*, Proc. of the 36th Annual Inter. Conf. of the IEEE Engineering in Medicine & Biology Society - EMBC 2014, Chicago, USA, August 26-30, 2014, pp. 6774-6777, ISSN: 1094-687X (ISI Proceedings, IEEE Xplore, WOS:000350044706186). https://www.ncbi.nlm.nih.gov/pubmed/25571551	5
32	Vizitiu, A., Itu, L.M., Nita, C., **Suciu, C.** *Optimized Three-Dimensional Stencil Computation on Fermi and Kepler GPUs*, 18th IEEE High Performance Extreme Computing Conference, Waltham, MA, USA, Sept. 9-11, 2014, pp. 78-83, ISBN: 978-1-4799-6232-7(ISI Proceedings, IEEE Xplore, WOS:000380479300026) http://ieeexplore.ieee.org/document/7040968/	7,5
33	Stroia, I., Itu, L., Niţă, C, Lazăr, L., **Suciu, C.** *GPU Accelerated Geometric Multigrid Method: Comparison with Preconditioned Conjugate Gradient*, 19th IEEE High Performance Extreme Computing Conference, Waltham, MA, USA, Sept. 15-17, 2015, pp. 1-6, ISBN: 978-1-4673-9287-7 (ISI Proceedings, IEEE Xplore, WOS:000380543000044) http://ieeexplore.ieee.org/document/7322480/	6
34	Iacob, A., Itu, L.M., Sasu, L., Moldoveanu, F., **Suciu, C.,** *GPU Accelerated Information Retrieval Using Bloom Filters*, Proceedings of the 19th International Conference on System Theory, Control and Computing – ICSTCC 2015, Cheile Grădiştei – Fundata, Romania, October 14÷16, 2015, pp. 872÷876, ISBN: 978-1-4799-8481-7 (ISI Proceedings, IEEE Xplore, WOS:000382384100145) http://ieeexplore.ieee.org/document/7321404/	6
35	Stroia, I., Itu, L., Niţă, C, Lazăr, L., **Suciu, C.** *GPU Accelerated Geometric Multigrid Method - Performance Comparison on Recent NVIDIA Architectures*, 19th Inter. Conf. on System Theory, Control and Computing - ICSTCC 2015, Sinaia, Romania, October 14-16, 2015, pp. 175-179, ISBN: 978-1-4799-8482-4 (ISI Proceedings, IEEE Xplore, WOS: 000382384100030) http://ieeexplore.ieee.org/document/7321289/	6
36	Vizitiu, A., Itu, L., Joyseeree, R., Depeursinge, A., Muller, H., **Suciu, C.** *GPU–Accelerated Texture Analysis Using Steerable Riesz Wavelets*, 24th Euromirco International Conference on Parallel, Distributed, and Network-Based Processing – PDP 2016, Heraklion Crete, Greece, February 17-19, 2016, pp. 56-61, ISSN: 2377-5750 (ISI Proceedings, IEEE Xplore, WOS:000381810900066) http://ieeexplore.ieee.org/document/7445372/	5
37	Nita, C., Stroia, I., Itu, L.M., **Suciu, C.,** Mihalef, V., Datar, M., Rapaka, S., Sharma, P. *GPU accelerated, robust method for voxelization of solid objects*, 20th IEEE High Performance Extreme Computing Conference, Waltham, MA, USA, Sept. 13-15, 2016, pp. 50-55, ISBN: 978-1-5090-3526-7 (ISI Proceedings, IEEE Xplore, WOS:000391407100006) http://ieeexplore.ieee.org/document/7761582/	3,75
9 lucrări în reviste cotate ISI, 28 lucrări în volumele unor manifestări ştiinţifice indexate ISI proceedings 407,42 pct.		

Total A2.1 : 407,42 puncte (37 lucrări)

A2.2. Articole în reviste şi volumele unor manifestări ştiinţifice indexate în alte baze de date internaţionale (BDI) (20 / nr.de autor)

Nr. crt.	Lucrare	Pct.
1	Dafinca L**., Suciu C.**, Margineanu I., Dafinca I., *Neural network based identification system for a vector controlled induction motor drive*, ICEM 2000 : international conference on electrical machines, pp. 1158-1162,28-30 August 2000, Espoo,Finland,ISBN : 951-22-5097-7, http://scholar.google.ro/scholar?hl=en&q=Neural+network+based+identification+system+for+a+vector+controlled+induction+motor+drive&btnG=&as_sdt=1%2C5&as_sdtp=	5
2	**Suciu, C.,** Kansara, M., Redgate, J., *Fuzzy power factor control in a variable load circuit*, EUSFLAT- Proceedings of the 2nd International Conference in Fuzzy Logic and Technology, Leicester, United Kingdom, September 5-7, 2001,(CiteSeerX) http://scholar.google.ro/scholar?q=%22Fuzzy+power+factor+control+in+a+variable+load+circuit%22&btnG=&hl=en&as_sdt=0%2C5	6,66
3	Floroian, D., Moldoveanu, F., **Suciu, C.,** *Using Intelligent Agents for Medical Logistic System*,Bulletin of the Transilvania University of Brasov, Series I: Engineering Sciences . 2009, Vol. 2 Issue 51, p255-262, (EBSCO), http://scholar.google.ro/scholar?q=USING+INTELLIGENT+AGENTS+FOR+MEDICAL+LOGISTIC+SYSTEM&btnG=&hl=en&as_sdt=0%2C5	6,66
4	Girbea, A., **Suciu, C.,** Sisak, F., *Constraint Based Approach for Optimized Planning-Scheduling Problems*,Bulletin of the Transilvania University of Brasov, Series I: Engineering Sciences, 2011, Vol. 4 Issue 2, pp123-130, (EBSCO), http://scholar.google.ro/scholar?q=Constraint+based+approach+for+optimized+planning-scheduling+problems&btnG=&hl=en&as_sdt=0%2C5	6,66
5	Girbea, A., **Suciu, C.,** Sisak, F., *Evaluation of Software Service Frameworks For Industrial Applications*, Bulletin of the Transilvania University of Brasov, Series I: Engineering Sciences . 2012, Vol. 5 Issue 1, pp77-84, (EBSCO), http://scholar.google.ro/scholar?q=EVALUATION+OF+SOFTWARE+SERVICE+FRAMEWORKS+FOR+INDUSTRIAL+APPLICATIONS&btnG=&hl=en&as_sdt=0%2C5	6,66
6	Comnac, V., Topa, I., Moldoveanu, F., **Suciu, C**, *Real Time Observer-based Control Of An Interior Permanent Magnet Synchronous Machine*, Proceedings of the 6th International Conference on Optimization of Electrical and Electronic Equipments, 1998, ISBN :973-98511-2-6,(IEEE Xplore). http://ieeexplore.ieee.org/document/707985/	5
7	Campeanu, R., Margineanu, I., **Suciu, C.,**Rogoz, A., *Measurement systems of the relative position of a dam point*, 1st IFAC Workshop on Convergence of Information Technologies and Control Methods with Power Plants and Power Systems; ICSP'07;Cluj-Napoca; Romania; 9 July 2007 through 11 July, 2007, ISBN 978-390366138-8, (Sciencedirect), http://www.sciencedirect.com/science/article/pii/S1474667015326653	5
8	Puiu, D., Moldoveanu, F., **Suciu, C.,** *The time delay control of a CAN network based on dynamic scheduling algorithm*, IEEE International Conference on Automation Quality and Testing Robotics (AQTR),28-30 May 2010, DOI: 10.1109/AQTR.2010.5520896, ISBN: 978-1-4244-6724-2, (IEEE Xplore). http://ieeexplore.ieee.org/document/5520896	6,66
9	Târnaucă, B. , **Suciu, C.** , Floroian, D., *An integrated testing platform for automotive and industrial electronic control units*,IEEE International Conference on Automation Quality and Testing Robotics (AQTR),28-30 May 2010, DOI: 10.1109/AQTR.2010.5520896, ISBN: 978-1-4244-6724-2, (IEEE Xplore). http://ieeexplore.ieee.org/document/5520820/	6,66
10	Girbea, A.; **Suciu, C.**; Sisak, F., *Design and implementation of a fully automated planner-scheduler constraint satisfaction problem*,6th IEEE International Symposium on Applied Computational Intelligence and Informatics (SACI),19-21 May 2011, Timisoara, Romania,DOI: 10.1109/SACI.2011.5873051, ISBN : 978-1-4244-9108-7, (IEEE Xplore). http://ieeexplore.ieee.org/document/5873051/	6,66
11	Itu, L.M., **Suciu, C.,** Moldoveanu, F., Postelnicu, A., *Optimized GPU Based Simulation of the Incompressible Navier-Stokes Equations on a MAC Grid*, Proceedings of the 10th IEEE RoEduNet International Conference on Networking in Education and Research – RoEduNet'11, Iaşi, Romania, June 23÷25, 2011, pp. 82÷85, ISBN: 978-1-4577-1233-3,	5

	ISSN: 2068-1038 (IEEE Xplore). http://ieeexplore.ieee.org/document/5993692/	
12	Girbea, A., **Suciu, C.**, Sisak, F.,*Remote monitoring and control of a flexible manufacturing system through a service oriented architecture*, Proceedings of the 10th IEEE RoEduNet International Conference on Networking in Education and Research – RoEduNet'11, Iași, Romania, June 23÷25, 2011, ISBN: 978-1-4577-1233-3, ISSN: 2068-1038 (IEEE Xplore).http://ieeexplore.ieee.org/document/5993694/	6,66
13	Itu, L.M., **Suciu, C.**, Moldoveanu, F., Postelnicu, A., *GPU Optimized Computation of Stencil Based Algorithms*, Proceedings of the 10th IEEE RoEduNet International Conference on Networking in Education and Research – RoEduNet'11, Iași, Romania, June 23÷25, 2011, pp. 86÷91, ISBN: 978-1-4577-1233-3, ISSN: 2068-1038 (IEEE Xplore). http://ieeexplore.ieee.org/document/5993693/	5
14	Itu, L.M., **Suciu, C.**, Moldoveanu, F., Postelnicu, A., *GPU Accelerated Simulation of Elliptic Partial Differential Equations*, Proceedings of the 6th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications – IDAACS'11, Prague, Czech Republic, September 15÷17, 2011, pp. 238÷242, ISBN: 978-1-4577-1426-9, DOI: 10.1109/DAACS.2011.6072748 (IEEE Xplore). http://ieeexplore.ieee.org/document/6072748/	5
15	Itu, L.M., **Suciu, C.**, Moldoveanu, F., Postelnicu, A., *GPU Optimized Computation of the Artificial Compressibility Method*, Proceedings of the 15th International Conference on System Theory, Control and Computing – ICSTCC 2011, Sinaia, Romania, October 14÷16, 2011, pp. 282÷287, ISBN: 978-973-621-322-9, ISSN: 2068-0465 (IEEE Xplore). http://ieeexplore.ieee.org/document/6085655/	5
16	Itu, L.M., **Suciu, C.**, Moldoveanu, F., Postelnicu, A., *Comparison of Single and Double Floating Point Precision Performance for Tesla Architecture GPUs*, Bulletin of the Transilvania University of Brașov, Vol. 4(53), No. 2, 2011, Series I, Engineering Sciences, Electrical Engineering, Electronics and Automatics, pp. 131÷138, ISSN: 2065-2119 (EBSCO). https://scholar.google.ro/citations?view_op=view_citation&hl=en&user=wHCtHCgAAAAJ&cstart=20&sortby=pubdate&citation_for_view=wHCtHCgAAAAJ:4DMP91E08xMC	5
17	Itu, L.M**., Suciu, C.**, Moldoveanu, F., Postelnicu, A., *GPU Enhanced Stream-Based Matrix Multiplication*, Bulletin of the Transilvania University of Brașov, Vol. 5(54), No. 2, 2012, Series I, Engineering Sciences, Electrical Engineering, Electronics and Automatics, pp. 79÷86, ISSN: 2065-2119 (EBSCO). https://scholar.google.ro/citations?view_op=view_citation&hl=en&user=wHCtHCgAAAAJ&sortby=pubdate&citation_for_view=wHCtHCgAAAAJ:aqlVkmm33-oC	5
18	Niță, C., Itu, L. M., **Suciu, C.** *GPU Accelerated Fluid Flow Computations using the Lattice Boltzmann Method*, Bulletin of the Transilvania University of Brasov - Series I, Engineering Sciences, Vol. 55, pp. 67–74, 2013, ISSN: 2065-2119 (EBSCO). http://web.a.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&authtype=crawler&jrnl=20652119&AN=91515665&h=lPtB8Fcaa0mc%2fytUkasjY9yeTe4%2bBzBg9Wq2zNNLVHd3Twx3YCTMFdQcFTO7mn8v3G5XJyhtbVWcA4UemJeQ6w%3d%3d&crl=f&resultNs=AdminWebAuth&resultLocal=ErrCrlNotAuth&crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d20652119%26AN%3d91515665	6,66
19	Vizitiu, A., Itu, L.M., Lazar, L., **Suciu, C.**, *Double precision stencil computations on Kepler GPUs*, Proc. of the 18th Inter. Conf. on System Theory, Control and Computing - ICSTCC 2014, Sinaia, Romania, October 15-17, 2014, pp., 25-29, ISBN: 978-1-4799-4602-0 (IEEE Xplore). http://ieeexplore.ieee.org/document/6982402/	5
20	Calmac, L., Niculescu, R., Badila, E., Weiss, E., Zamfir, D., Penes, D., Itu, L.M., Lazar, L., Carp, M., Itu, A., **Suciu, C.**, Passerini, T., Sharma, S., Georgescu, B., Comaniciu, D., *From rest to hyperaemia: initial validation of a data-driven approach for functional assessment of coronary lesions*, Proc. of EuroPCR 2016, Paris, France, May 17-20, 2016 (PCR Online). https://www.pcronline.com/eurointervention/AbstractsEuroPCR2016_issue/abstracts-europcr-2016/Euro16A-POS0432/from-rest-to-hyperaemia-initial-validation-of-a-data-driven-approach-for-functional-assessment-of-coronary-lesions.html	1,33
	20 lucrări în reviste și volumele unor manifestări științifice indexate BDI **111,27 pct.**	

Total A2.2 : 111,27 puncte (20 lucrări)

A2.3. Proprietate intelectuală, brevete de invenție, certificate ORDA

A2.3.1. Internaționale (35 pct./ nr. autori)

Nr. crt.	Brevet	Pct.
4	Itu, L.M., Sharma, P., Zheng, X., Kamen, A., **Suciu, C.,** Comaniciu, D., *A Framework for Personalization of Coronary Flow Computations During Rest and Hyperemia*, World Patent Application WO/2013/138428, September 2013. https://patentscope.wipo.int/search/en/detail.jsf?docId=WO2013138428	5,83
		5,83 pct.

A2.3.2. Naționale (OSIM) (25 pct./ nr. autori)

-

Total A2.3 : 5,83 puncte

A2.4. Granturi / proiecte de cercetare câștigate prin competiție sau contracte cu agenți economici, în valoare de minimum 10.000 dolari USA echivalent încasați

A2.4.1. Director/ responsabil

A2.4.1.1. Internaționale (20 x ani de desfășurare)

Nr. crt.	Proiect	Pct.
1	Contr. nr. 600932/2013-2017, program: EU's Seventh Framework Programme for Research (FP7) – "MD PAEDIGREE – Model-Driven European Paediatric Digital Repository", finanțat de EU Commission perioada:20132017 Perioada 2013-2017 (51 luni). Beneficiar: Universitatea Transilvania din Brașov (partener).	85
		85 pct.

A2.4.1.2. Naționale (10 x ani de desfășurare)

Nr. crt.	Proiect	Pct.
1	Contr. nr. 130/2012-2016, PN II, program: Programul PARTENERIATE – Proiecte Colaborative de Cercetare Aplicativă (PCCA) – "HEART – High PErformance Computing of PersonAlized CaRdio ComponenT Models", finanțat de UEFISCDI perioada 2012-2016(53 luni). Beneficiar: Universitatea Transilvania din Brașov(coorodonator)	44
		44 pct.

A2.4.2. Membru în echipă

A2.4.2.1. Internaționale (4 x ani de desfășurare)

Nr. crt.	Proiect	Pct.
1	Contr. nr. 732907/2016-2019, program: Horizon 2020 (H2020) – *MHMD – My Health My Data*, finanțat de EU Commission. Beneficiar: Universitatea Transilvania din Braşov (partener).	12
2	Contr. nr. 8/2017/2017-2020, program: FLAG-ERA – ITFoC – *Information Technology: The Future of Cancer Treatment*, finanțat de EU Commission / UEFISCDI. Beneficiar: Universitatea Transilvania din Braşov (partener).	12
3	Contr. nr. 10/2017/2017-2020, program: FLAG-ERA – CONVERGENCE – *Frictionless Energy Efficient Convergent Wearables for Healthcare and Lifestyle Applications*, finanțat de EU Commission / UEFISCDI. Beneficiar: Universitatea Transilvania din Braşov (partener).	12
4	Contr. nr. 6/2017/2017-2020, program: FLAG-ERA – RoboCom++ – *Rethinking Robotics for the Robot Companion of the future*, finanțat de EU Commission / UEFISCDI. Beneficiar: Universitatea Transilvania din Braşov (partener).	12
5	Contr. nr. 11/2017/2017-2020, program: FLAG-ERA – FuturICT2.0 – *Large scale experiments and simulations for the second generation of FuturICT*, finanțat de EU Commission / UEFISCDI. Beneficiar: Universitatea Transilvania din Braşov (partener).	12
6	Contr. nr. 12620/31/1998-2003, grant CNCSIS tip D – "Sisteme deschise pentru controlul şi instrumentarea proceselor" finanțat de Banca Mondială perioada:1998-2003. Beneficiar: Universitatea Transilvania din Braşov	20
		80 pct.

A2.4.2.2. Naționale (2 x ani de desfășurare)

Nr. crt.	Proiect	Pct.
1	Contr. nr. 705/24.07.2006 „Sistem integrat, suport decizional bazat pe fuziunea informatiilor multisenzoriale pentru supravegherea si predictia comportarii barajelor si amenajarilor hidrotehnice – FUZIBAR", finanțat de CNCSIS-CEEX perioada:2006-2008. Beneficiar: Universitatea Transilvania din Brașov	6
2	Contr. 897/2007 „Studiul teoretic, experimental si optimizarea sistemului motor monofazat de inductie-condensator controlat", finanțat de CNCSIS, perioada: 2007-2008. Beneficiar: Universitatea Transilvania din Brașov	2
3	Contr. nr. 40533/5.11.2003 – „Sisteme de reglare cu structura variabila, fara senzori mecanici (sensorless control), pentru controlul direct al cuplului si fluxului masinilor de c.a. , cu aplicatie in servo-sistemele cu rniscare incrernentala" finanțat de CNCSIS, grant tip A, nr. 7, cod CNCSIS 972, comisia de Ştiinţe Inginereşti, perioada:2003 Beneficiar: Universitatea Transilvania din Brașov	2
		10 pct.

Total A2.4 : 219

Total A2 : 743,52 puncte

Indicator	Conditii minimale – Profesor	Realizat
A2 - Activitatea de cercetare	500	743,52
A2.1 - Articole în reviste cotate și în volumele unor manifestări științifice indexate ISI proceedings	12	37
A2.4.1 - Granturi/proiecte câștigate prin competiție (Director/responsabil)	2	2

FI cumulat pentru publicatii 86,04:
- reviste cotate ISI: 78,54;
- brevete: 0,5 (1 brevet x 0.5 FI echivalent).;
- volumele conferințelor ISI: 7 (28 lucrări x 0.25 FI echivalent).

Conf. dr. ing. Constantin Suciu

A3. Recunoașterea și impactul activității

A3.1. Citări în cărți, reviste și volume ale unor manifestări științifice

A3.1.1. Cărți, ISI (8 pct. / nr. autori art. citat)

Nr. crt.	Lucrarea citată
1	**Suciu, C.,** Kansara, M., Holmes, P.G., Szabo, W., *Phase advancing for current in R-L circuits using switched capacitors*, Electronics Letters, Volume: 35, Issue: 16, 5 Aug 1999,ISSN: 0013-5194,DOI: 10.1049/el:19990923. **Link lista citări:** http://scholar.google.com/scholar?cites=10643757022886939670
	Citări
1.1	Campeanu, R , Cernat, M, *Two Speed Single Phase Induction Motor with Electronically Controlled Capacitance*, ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING, 2014, Volume: 14,Issue: 3,Pages: 137-140, ISSN: 1582-7445 (WOS: 000340869800018). http://scholar.google.com/scholar?q=Two+speed+single+phase+induction+motor+with+electronically+controled+capacitance&btnG=&hl=en&as_sdt=0%2C5&sciodt=0%2C5&cites=10643757022886939670&scipsc=
	1 citare x 8 pct. / 4 autori = 2 pct.

2	**Suciu, C.,** Dafinca, L., Kansara, M., Margineanu, I., *Switched capacitor fuzzy control for power factor correction in inductive circuits*, PESC 2000: 31ST ANNUAL IEEE POWER ELECTRONICS SPECIALISTS CONFERENCE, VOLS 1-3,JUN 18-23, 2000, ISBN:0-7803-5693-4. **Link lista citări:** http://scholar.google.com/scholar?cites=8474619563461219196
	Citări
2.1	Jimoh, A.A., Nicolae, D.V. , *Controlled Capacitance Injection into a Three-Phase Induction Motor through a Single-Phase Auxiliary Stator Winding*, Electric Machines & Drives Conference, 2007. IEMDC '07. IEEE International, On page(s): 1183 - 1188 Volume: 2, 3-5 May 2007 (WOS:000248118800208) http://ieeexplore.ieee.org/document/4270818/
2.2	Nicolae, D.V. , Jimoh, A.A., *A Three-Phase Induction Motor with Power Electronic Controlled Single-Phase Auxiliary Stator Winding*, Power Electronics Specialists Conference, 2007. PESC 2007. IEEE ,Orlando, FL(WOS:000252375200016), http://ieeexplore.ieee.org/document/4341969/
2.3	Nicolae D.V, *Electric Motor Performance Improvement Using Auxiliary Windings and Capacitance Injection, Electric Machines and Drives*, 2011, Dr. Miroslav Chomat (Ed.), ISBN: 978-953-307-548-8, InTech, http://www.intechopen.com/books/electric-machines-and-drives/electric-motor-performance-improvement-using-auxiliary-windings-and-capacitance-injection
2.4	Muteba, M.C. , Tshwane , Jimoh, A.A. , Nicolae, D.V., *Improving three-phase induction machines power factor using single phase auxiliary winding fed by an active power filter*, AFRICON 2007 , 26-28 Sept. 2007,Page(s):1 - 7,ISBN: 978-1-4244-0987-7, (WOS:000255394100133), http://ieeexplore.ieee.org/document/4401570/
2.5	Campeanu, R , Cernat, M, *Two Speed Single Phase Induction Motor with Electronically Controlled Capacitance*, ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING, 2014, Volume: 14,Issue: 3,Pages: 137-140, ISSN: 1582-7445 (WOS: 000340869800018). http://scholar.google.com/scholar?q=Two+speed+single+phase+induction+motor+with+electronically+controled+capacitance&btnG=&hl=en&as_sdt=0%2C5&sciodt=0%2C5&cites=10643757022886939670&scipsc=
	5 citări x 8 pct. / 4 autori = 10 pct.

3	**Suciu, C.**, Kansara, M., Holmes, P., Szabo, W., *Performance enhancement of an induction motor by secondary impedance control*, IEEE TRANSACTIONS ON ENERGY CONVERSION, Volume: 17, Issue: 2, Pages: 211-216,DOI: 10.1109/TEC.2002.1009470, JUN 2002,ISSN: 0885-8969. **Link lista citări:** http://scholar.google.com/scholar?cites=2208202469016237201
	Citări
3.1	Jimoh, A.A., Nicolae, D.V. , *Controlled Capacitance Injection into a Three-Phase Induction Motor through a Single-Phase Auxiliary Stator Winding*, Electric Machines & Drives Conference, 2007. IEMDC '07. IEEE International, On page(s): 1183 - 1188 Volume: 2, 3-5 May 2007 (WOS:000248118800208) http://ieeexplore.ieee.org/document/4270818/
3.2	Ogunjuyigbe, A.S.O. , Jimoh, A.A. , Nicolae, D.V., *Improving synchronous reluctance machine performance by direct capacitance injection through an auxiliary winding*, Electrical Machines and Systems, 2007. ICEMS. International Conference on ,Seoul,8-11 Oct. 2007 Page(s): 1055 - 1060, ISBN: 978-89-86510-07-2, (WOS:000256434000027), http://ieeexplore.ieee.org/document/4411965/
3.3	Nicolae, D.V. , Jimoh, A.A., *A Three-Phase Induction Motor with Power Electronic Controlled Single-Phase Auxiliary Stator Winding*, Power Electronics Specialists Conference, 2007. PESC 2007. IEEE ,Orlando, FL(WOS:000252375200016), http://ieeexplore.ieee.org/document/4341969/
3.4	Nicolae D.V, *Electric Motor Performance Improvement Using Auxiliary Windings and Capacitance Injection, Electric Machines and Drives*, 2011, Dr. Miroslav Chomat (Ed.), ISBN: 978-953-307-548-8, InTech, http://www.intechopen.com/books/electric-machines-and-drives/electric-motor-performance-improvement-using-auxiliary-windings-and-capacitance-injection
3.5	Muteba, M.C. , Tshwane , Jimoh, A.A. , Nicolae, D.V., *Improving three-phase induction machines power factor using single phase auxiliary winding fed by an active power filter*, AFRICON 2007 , 26-28 Sept. 2007,Page(s):1 - 7,ISBN: 978-1-4244-0987-7, (WOS:000255394100133), http://ieeexplore.ieee.org/document/4401570/
3.6	Ogunjuyigbe, A.S.O., Jimoh, A.A., Nicolae, D.V., Agee, J.T., *Synchronous reluctance machine with controlled capacitance injection,*- Optimization of Electrical and Electronic Equipment, 2008. OPTIM 2008. 11th International Conference on,Brasov, 22-24 May 2008, Page(s): 39 - 44, ISBN: 978-1-4244-1544-1 ,(WOS:000258258700010), http://ieeexplore.ieee.org/document/4602384/
3.7	Campeanu, R , Cernat, M, *Two Speed Single Phase Induction Motor with Electronically Controlled Capacitance*, ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING, 2014, Volume: 14,Issue: 3,Pages: 137-140, ISSN: 1582-7445 (WOS: 000340869800018). http://scholar.google.com/scholar?q=Two+speed+single+phase+induction+motor+with+electronically+controled+capacitance&btnG=&hl=en&as_sdt=0%2C5&sciodt=0%2C5&cites=10643757022886939670&scipsc=
3.8	Laškody, T., Dobrucký, B., Štefanec, P., Praženica, M., *Comparison of a single-phase induction motor drive fed by VSI and MxC with option of speed reduction*, Electrical Drives and Power Electronics (EDPE) 2015 International Conference on, pp. 368-372, 2015, ISSN 1339-3944, (WOS:000380458300063), http://ieeexplore.ieee.org/document/7325322/
3.9	Dobrucky, B., Laskody, T., Prazenica, M., *A Novel Supply System for Two-Phase Induction Motor by Single Leg Matrix Converter*, ELEKTRONIKA IR ELEKTROTECHNIKA, Volume: 21, Issue: 4, Pages: 13-16,2015,ISSN: 1392-1215, (WOS:000359789500003), http://ieeexplore.ieee.org/document/7325322/
3.10	Marković, N., Bjelić, S., Živanić, J., Milićević, V., Milićević, Z., *Model of Transient Process Where Three-Phase Transducer Feeds Induction Motor Equivalent as a Variable Active-Inductive Load*, Mathematical Problems in Engineering, vol. 2016, pp. 1, 2016, ISSN 1024-123X, (WOS:000383066900001), http://scholar.google.com/scholar?q=Model+of+Transient+Process+Where+Three-Phase+Transducer+Feeds+Induction+Motor+Equivalent+as+a+Variable+Active-Inductive+Load&btnG=&hl=en&as_sdt=0%2C5&sciodt=0%2C5&cites=2208202469016237201&scipsc=

3.11	Kascak, S., Laskody, T., Prazenica, M., Konarik, R., *Current control contribution to a single-phase induction motor fed by single-leg voltage source inverter*, ELEKTRO 2016, pp. 172-175, 2016, (WOS:000386959800036), http://ieeexplore.ieee.org/document/7512059/
	11 citări x 8 pct. / 4 autori = 22 pct.

4	**Suciu, C.,** Moldoveanu, F. , Campeanu, R. , Baciu, I. , Grigorescu, S.M. , Carstea, B. , Voinea, V., *GPRS Based System for Atmospheric Pollution Monitoring and Warning*, 2006 IEEE International Conference on Automation, Quality and Testing, Robotics, VOL 2, Pages: 193-198,May 25-28, 2006,ISBN:1-4244-0360-X **Link lista citări:** http://ieeexplore.ieee.org/document/4022953/citations?tabFilter=papers
	Citări
4.1	Pan, C., Zhang, H., Sun, W., Li, H., Xie, J., Zhang, Y., *A pollution monitoring system with hybrid wireless transmission*, Industrial Electronics and Applications (ICIEA), 2013 8th IEEE Conference on, On page(s): 876 - 880;ISBN:978-1-4673-6322-8, (WOS:000326679200160), http://ieeexplore.ieee.org/document/6566490/
4.2	Adhya, S., Saha, D., Das, A., Jana, J., Saha, H., *An IoT based smart solar photovoltaic remote monitoring and control unit*, Control Instrumentation Energy & Communication (CIEC) 2016 2nd International Conference on, pp. 432-436, 2016, ISBN: 978-1-5090-0036-4, (WOS:000390842400087), http://ieeexplore.ieee.org/document/7513793/
	2 citări x 8 pct. / 7 autori = 2,28 pct.

5	**Suciu, C.,** Campeanu, R.,Campeanu, A., Margineanu, I., Danila, A., *A virtual instrumentation-based on-line determination of a single/two phase induction motor drive characteristics at coarse start-up*, IEEE International Conference on Automation, Quality and Testing, Robotics, Vol. III, pp.440-443, May 22-25 2008, ISBN:978-1-4244-2576-1 **Link lista citări:** http://ieeexplore.ieee.org/document/4588959/citations
	Citări
5.1	Yella, N.; Sandhu, K.S.; Kumar, A. "Comparison of modeling techniques for magnetization characteristics of induction machine", Power India Conference, 2012 IEEE Fifth, On page(s): 1 - 5;ISBN 978-1-4673-0763-5, (WOS:000320675000011), http://ieeexplore.ieee.org/document/6479472/
5.2	Gunabalan, R., Sanjeevikumar, P., Blaabjerg, F., Wheeler, P.W., Fedák, V., Ertas, A.H., *Transfer function modeling of parallel connected two three-phase induction motor implementation using LabView platform*, Electrical Drives and Power Electronics (EDPE) 2015 International Conference on, pp. 373-378, 2015, ISSN 1339-3944, (WOS:000380458300064), http://ieeexplore.ieee.org/document/7325323/
	2 citări x 8 pct. / 5 autori = 3,2 pct.

6	Danila, A., Margineanu, I., Campeanu, R., **Suciu, C.,** Boian, I.,*The optimization of the single/two phase induction motor start-up with electronically switched capacitor*, IEEE International Conference on Automation, Quality and Testing, Robotics,Vol. III, pp. 450-453, May 22-25,2008,ISBN:978-1-4244-2576-1 **Link lista citări:** http://ieeexplore.ieee.org/document/4588962/citations?tabFilter=papers
	Citări
6.1	Artal-Sevil, J.S., Dufo-López, R., Bernal-Agustín, J.L., Domínguez-Navarro, J.A., *Asymmetrical multilevel inverter with staircase modulation for variable frequency drives in fractional horsepower applications*, Power Electronics and Applications (EPE'15 ECCE-Europe) 2015 17th European Conference on, pp. 1-10, 2015, (WOS:000377101800030), http://ieeexplore.ieee.org/document/7309078/
6.2	Laškody, T., Dobrucký, B., Štefanec, P., Praženica, M., *Comparison of a single-phase induction motor drive fed by VSI and MxC with option of speed reduction*, Electrical Drives and Power Electronics (EDPE) 2015 International Conference on, pp. 368-372, 2015, ISSN 1339-3944, (WOS:000380458300063), http://ieeexplore.ieee.org/document/7325322/

6.3	Kascak, S., Laskody, T., Prazenica, M., Konarik, R., *Current control contribution to a single-phase induction motor fed by single-leg voltage source inverter*, ELEKTRO 2016, pp. 172-175, 2016, (WOS:000386959800036), http://ieeexplore.ieee.org/document/7512059/
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7	Tarnauca, B., Puiu, D., Comnac, V**., Suciu, C.**, *Modelling a flexible manufacturing system using reconfigurable finite capacity Petri nets*, 2012 13th International Conference on Optimization of Electrical and Electronic Equipment (OPTIM),VOLS 1-5, pp. 1079-1084, 24-26 May 2012, ISBN: 978-1-4673-1650-7 **Link lista citări:** http://ieeexplore.ieee.org/document/6231954/citations
	Citări
7.1	Bevilaqua, A.; Kato, E.R.R.; Pedrino, E.C.; Tsunaki, R.H. "Automated Generalized Petri Net Reduction Using an Evolutionary Approach Applied to a Manufacturing System Model", Systems, Man, and Cybernetics (SMC), 2013 IEEE International Conference on, On page(s): 2360 - 2365, ISBN:978-1-4799-0652-9, (WOS:000332201902081), http://ieeexplore.ieee.org/document/6722156/
	1 citare x 8 pct. / 4 autori = 2 pct.

8	Itu, L. M., Sharma, P., Mihalef, V., Kamen, A., **Suciu, C.,** Comaniciu, D., *A Patient-specific Reduced-order Model for Coronary Circulation*, Proc. of the IEEE Inter. Symp. On Biomedical Imaging - ISBI 2012, Barcelona, Spain, May 2-5, 2012, pp. 832-835, ISSN: 1945-7928, ISBN: 978-1-4577-1857-1. **Link listă citări: http://scholar.google.com/scholar?oi=bibs&hl=en&cites=5167927570381871160**
	Citări
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Total A3.1.1 : 189,22 puncte (103 citări)

A3.1.2. BDI (4 pct. / nr. autori art. citat)

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	1 citare x 4 pct. / 4 autori = 1 pct.

Total A3.1.2 : 18,5 puncte (21 citări)

Total A3.1 : 207,72 puncte (124 citări)

A3.2. Prezentări invitate în plenul unor manifestări științifice naționale și internaționale și Profesor invitat

A3.2.1. Internaționale
   -
A3.2.2. Naționale
   -

A3.3. Membru în colectivele de redacție sau comitete științifice al revistelor, organizator de manifestări științifice, internaționale indexate ISI

A3.3.1. ISI
   -
A3.3.2. BDI
   -
A3.3.3. Naționale și internaționale neindexate
   -

A3.4. Premii in domeniu

A3.4.1. Academia Română, ASTR, academii de ramură, premii internaționale
   -

A3.4.2. Premii naționale in domeniu
   -

Total A3 : 208,72 puncte

Indicator	Conditii minimale – Profesor	Realizat
A3 - Recunoaşterea impactului activităţii	100	208,72
A3.1.1 - A3.1.2 Număr de citări în cărţi, reviste şi volume ale unor manifestări ştiinţifice ISI sau BDI	20	124

Conf. dr. ing. Constantin Suciu

A1. Activitatea didactică / profesională	Puncte
A1.1.1. Cărți/ monografii/ capitole ca autor în edituri internaționale	25
A1.1.2. Cărți/ monografii/ capitole ca autor în edituri naționale	60
A1.2.1. Manuale didactice	20

A2. Activitatea de cercetare	Puncte
A2.1. Articole în reviste cotate și în volumele unor manifestări științifice indexate ISI proceedings	407,42
A2.2. Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale (BDI)	111,27
A2.3. Proprietate intelectuală, brevete de invenție, certificate ORDA	5,83
A2.4. Granturi / proiecte de cercetare câștigate prin competiție sau contracte cu agenți economici, în valoare de	219

A3. Recunoașterea și impactul activității	Puncte
A3.1. Citări în cărți, reviste și volume ale unor manifestări științifice	208,72

Indicator	Conditii minimale – Profeso	Realizat
A1 - Activitatea didactică / profesională	100	105
A1.1.1 - A1.1.2 Cărți și capitole în cărți de specialitate	4	4
A1.2.1 - Material didactic / Lucrări didactice	2	2
A2 - Activitatea de cercetare	500	743,52
A2.1 - Articole în reviste cotate și în volumele unor manifestări științifice indexate ISI proceedings	12	37
A2.4.1 - Granturi/proiecte câștigate prin competiție (Director/responsabil)	2	2
FI cumulat pentru publicatii	6	86,04
A3 - Recunoașterea impactului activității	100	208,72
A3.1.1 - A3.1.2 Număr de citări în cărți, reviste și volume ale unor manifestări științifice ISI sau BDI	20	124

Constantin Suciu   21.07.2017