

Fisa de verificare a standardelor minime pentru gradul de conferentiar universitar stabilite prin OM 6129 / 2016

Candidat RUSU-BOTH Roxana
Domeniu Ingineria Sistemelor

Nr.Crt	Domeniul activ.			Subcategorii	Indicatori (kpi)	Numar	Punctaj	
0	1	2	3	4	5			
1	Activitatea didactica si profesionala (A1)	Carti si capitole de carti de specialitate in edituri recunoscute Material didactic/lucrari didactice	Carti, monografii, capitole ca autor Manuale didactice	A1.1.1. Internationale A1.1.2. nationale A1.2.1	50/ nr. de autori 50/nr.de autori 40/nr de autori	1 0 2	12,5 0 40	
					Total punctaj A(1)		52,5	
2	Activitatea de cercetare (A2)	Articole in reviste cotate si in volumele unor manifestari stiintifice indexate ISI proceedings Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale (BDI) Proprietate intelectuala, brevete de inventie, certificate ORDA Granturi/proiecte castigate prin competitie		A2.1 A2.2 A2.3.1 A2.3.2 Director / responsabil A2.4.1.1 A2.4.1.2 Membru in echipa A2.4.2.1 A2.4.2.2	(25+ 30 * factor impact) / nr. de autori 20 / nr. de autori 35 / nr. de autori 25 / nr. de autori Internationale nationale Internationale nationale Internationale nationale	40 14 0 0 0 1 0 8	502,334524 74,8571429 0 0 0 15 0 35	
					Total punctaj A(2)		627,191667	
3	Impactul activitatii (A3)	Citari in carti, reviste si volume ale unor manifestari stiintifice Membru in colectivele de redactie sau comitete stiintifice ale revistelor, organizator de manifestari stiintifice, indexate Premii in domeniu		A3.1.1 A3.1.2 Punctaj unic pentru fiecare activitate A3.2 A3.3 A3.4	carti, ISI BDI ISI BDI conferinte de Academia Romana, ASTR, AOSR, sau premii internationale de prestigiu	8 / nr aut art. citat 4 / nr aut art. citat 10 6 15	46 14 2 0 0 0	107,27619 16,5333333 20 0 0 0
					Total punctaj A(3)		143,809524	

Conditii minime Ai			
Nr.	Domeniu de activitate (A)	Necesar Conferentiar	Realizat
A1	Activitatea didactica / profesionala (A1)	50	52,5
A2	Activitatea de cercetare (A2)	300	627,1917
A3	Recunoasterea impactului activitatii (A3)	50	143,8095
Total (A)		400	823,5012

Conditii minime obligatorii pe subcategorii			
Nr		Necesar conferentiar	Realizat
A1.1.1 - A1.1.2	Carti de specialitate	1 carte / 1 capitol	2 carti, 1 capitol
A2.1	Articole in reviste cotate ISI si in volumele unor manifestari stiintifice indexate ISI proceedings	6 din care minimum 1 in reviste cotate ISI Q1 sau Q2	40 din care 4 cotate Q1 sau Q2
A2.4.1	Granturi / proiecte de cercetare castigate prin competitie (Director / Responsabil partener)	1	1
A3.1.1	Numari de citari in carti, reviste cotate ISI si volume ale unor manifestari stiintifice ISI (WOS)	10	43
	Factor de impact ISI cumulat pentru publicatii	4	21,896

Candidat,
Sl.Dr.Ing. Rusu-Both Roxana

Director de departament,
Prof.Dr.Ing. Honoriu VALEAN

Decan,
Prof.Dr.Ing. Liviu MICLEA

Anexa: datele pentru calculul indeplinirii criteriilor

A1.1.-A1.2. Carti, monografii, capitole ca autor, internationale si nationale

Nr.	Autori	Titlu capitol / carte	Editura	Anul	Nr.Autori	Punctaj
1	Rusu-Both Roxana	Dynamic Mathematical Modelling and Advanced Control Strategies for Complex Hydrogenation Process, New Advances in Hydrogenation Processes - Fundamentals and Applications, (Ed.), InTech, DOI: 10.5772/65336. Available from: https://www.intechopen.com/books/new-advances-in-hydrogenation-processes-fundamentals-and-applications/dynamic-mathematical-modelling-and-advanced-control-strategies-for-complex-hydrogenation-process	InTech Europe, Croatia	2017	1	12,5

Total punctaj A.1.1

12,5

A1.2.1. Materiale didactice

Nr.	Autori	Titlu	Editura	An	Nr autorii	Punctaj
1	Festilă, Cl., Both, R.	Electronică: Îndrumător de lucrări	U.T. Press Cluj-Napoca	2009	2	20
2	Rusu-Both Roxana, Festilă Cl	Electronică de Putere în Automatică: Îndrumător de laborator	Mediamira, Cluj-Napoca	2018	2	20

Total punctaj A.1.2.1

40

Total punctaj A.1

52,5

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

Nr.	Autori	Titlu lucrare / revista (conferinta)	Factor de impact	Nr. Autori	Punctaj
1	Dulf, E. Both, R. Dumitrasche, D.C.	Fractional order models for a cryogenic separation column, 2010 IEEE International Conference on Automation, Quality and Testing, Robotics, AQTR 2010 - Proceedings , 2010	0,25	3	10,83333333
2	Both, R. Festila, C. Dulf, E.H. Neaga, A.O.	Modeling and simulation of the liquid phase 2-ethyl-hexenal hydrogenation, 2010 IEEE International Conference on Automation, Quality and Testing, Robotics, AQTR 2010 - Proceedings , 2010	0,25	4	8,125
3	Huzau, M. Both, R. Dulf, E.H. Tulbure, V.	Non-conventional supplying system for induction traction motors from Diesel locomotives, 2010 IEEE International Conference on Automation, Quality and Testing, Robotics, AQTR 2010 - Proceedings , 2010	0,25	4	8,125
4	Both, R., Festilă, C., Dulf, EH	Higher thermal efficiency for the 2 ethyl-hexenal hydrogenation process, Chem. Listy 105, s871 – s1072 (2011), s920-s921, http://www.chemicke-listy.cz/docs/full/2011_18_s871-s1072.pdf .	0,387	3	12,20333333
5	Both, R., Festilă, C., Dulf, EH	Distributed parameter model of the 2 ethyl-hexenal hydrogenation process, , Chem. Listy 105, s871 – s1072 (2011), s910, http://www.chemicke-listy.cz/docs/full/2011_18_s871-s1072.pdf	0,387	3	12,20333333
6	Neaga, A.O. Festila, C. Dulf, E.H. Szelitzky, T. Both, R. Inoan, I. Gligan, M.	Operational model of the ¹³ C isotope separation column, 2012 IEEE International Conference on Automation, Quality and Testing, Robotics, AQTR 2012 - Proceedings, 2012	0,25	7	4,642857143
7	Tulbure, M. Both, R.	Models for the AC locomotives regenerative braking, 2012 IEEE International Conference on Automation, Quality and Testing, Robotics, AQTR 2012 - Proceedings, 2012	0,25	2	16,25
8	Neaga, A.O. Festila, C. Dulf, E.H. Both, R. Szelitzky, T. Gligan, M.	A simplified mathematical model of the cryogenic distillation with application to the (¹³ C) isotope separation column, AIP Conference Proceedings Volume 1425, 2012, Pages 189-192Processes in Isotopes and Molecules, PIM 2011; Cluj Napoca; Romania; 29 September 2011 through 1 October 2011, published 2012	0,25	6	5,416666667
9	Both, R. Dulf, E.-H. Festila, C.	Robust control of a catalytic 2 ethyl-hexenal hydrogenation reactor , Chemical Engineering ScienceVolume 74, 28 May 2012, Pages 300-309, 2012	2,895	3	37,28333333
10	CI Muresan, R Both, EH Dulf, A Neaga, C Ionescu	HIL real-time simulation of a digital fractional order PI controller for time delay processes, IEEE AFRICON Conference , 2013	0,25	5	6,5
11	Muresan, C.I. Dulf, E.H. Both, R. Palfi, A. Caprioru, M.	Microcontroller implementation of a multivariable fractional order PI controller , Proceedings - 19th International Conference on Control Systems and Computer Science, CSCS 2013	0,25	5	6,5
12	Dulf, E.-H. Both, R. Festila, C. Grettinger, M.I.	Non-conventional techniques for Frequency Response Function measurements and analysis, 2013 17th International Conference on System Theory, Control and Computing, ICSTCC 2013; Joint Conference of SINTES 2013, SACCS 2013, SIMSIS 2013 - Proceedings, 2013	0,25	4	8,125
13	Muresan, C.I. Dulf, E.H. Both, R.	Fractional and integer order control. Application to DC motor speed control , 2013 17th International Conference on System Theory, Control and Computing, ICSTCC 2013; Joint Conference of SINTES 2013, SACCS 2013, SIMSIS 2013 - Proceedings, 2013	0,25	3	10,83333333
14	Cioloca, A. Both, R. Festila, R.	Model validation, simulation and control for ammonia synthesis column , SACI 2013 - 8th IEEE International Symposium on Applied Computational Intelligence and Informatics, Proceedings, 2013	0,25	3	10,83333333

15	Both, R. Muresan, C.-I. Dulf, E.-H. Dulf, F.-V.	Microcontroller implementation of digital fractional order controllers for time delay processes, 2013 21st Mediterranean Conference on Control and Automation, MED 2013 - Conference Proceedings, 2013	0,25	4	8,125
16	Both, R. Cormos, A.-M. Agachi, P.-S. Festila, C.	Dynamic modeling and validation of 2-ethyl-hexenal hydrogenation process , Computers and Chemical Engineering Volume 52, May 2013, Pages 100-111, 2013	3,024	4	28,93
17	Both, R. Dulf, E.-H.	Multi-agent control of an isotope separation columns cascade , 2014 International Conference on Fractional Differentiation and Its Applications, ICFDA 2014	0,25	2	16,25
18	Dulf, E.H. Muresan, C.I. Both, R. Dulf, F.V.	Fractional order controller design for a large class of process models, 2014 International Conference on Fractional Differentiation and Its Applications, ICFDA 2014	0,25	4	8,125
19	Muresan, C.I. Dulf, E.H. Ionescu, C.M. Both, R. Nascu, I.	Improving performance for a ¹³ C isotope separation plant using multivariable fractional order controllers , 2014 International Conference on Fractional Differentiation and Its Applications, ICFDA 2014	0,25	5	6,5
20	Cioloca, A. Both, R. Festila, R.	Advanced models for cryogenic distillation columns , Proceedings of 2014 IEEE International Conference on Automation, Quality and Testing, Robotics, AQTR 2014	0,25	3	10,83333333
21	Cioloca, A. Both, R.	Modelling versions and simulations of the cryogenic air distillation column , Proceedings of 2014 IEEE International Conference on Automation, Quality and Testing, Robotics, AQTR 2014	0,25	2	16,25
22	Dulf, E.H. Both, R. Muresan, C.I.	Active disturbance rejection controller for a separation column , Proceedings of 2014 IEEE International Conference on Automation, Quality and Testing, Robotics, AQTR 2014	0,25	3	10,83333333
23	Both, R. Dulf, E.H. Muresan, C.I.	Active disturbance rejection controller for chemical reactor , AIP Conference Proceedings Volume 1648, 10 March 2015, Article number 850111International Conference on Numerical Analysis and Applied Mathematics 2014, ICNAAM 2014; Rodos Palace HotelRhodes; Greece; 22 September 2014 through 28 September 2014; Code 111492 , 2015	0,25	3	10,83333333
24	Muntean, I. Both, R. Crisan, R. Nascu, I.	RGA analysis and decentralized control for a wastewater treatment plant , Proceedings of the IEEE International Conference on Industrial Technology, 2015	0,25	4	8,125
25	Ionescu, C. Both, R. Fustos, C. Festila, C. Giligan, M. Keyser, R.D.	Control of a train of high purity distillation columns for efficient production of ¹³ C isotopes , Proceedings - 2015 20th International Conference on Control Systems and Computer Science, CSCS 2015	0,25	6	5,416666667
26	Both, R. Dulf, E.-H. Muresan, C.-I. Secara, M.	Fractional order PD control of an isotope separation columns cascade , SACI 2015 - 10th Jubilee IEEE International Symposium on Applied Computational Intelligence and Informatics, Proceedings, 2015	0,25	4	8,125
27	Festila, C. Both, R. Dulf, E.-H. Secara, M. Chetan, S.	Original Extremum control method implemented in MPP photovoltaic systems, 2015 19th International Conference on System Theory, Control and Computing, ICSTCC 2015 - Joint Conference SINTES 19, SACCS 15, SIMSIS 19 , 2015	0,25	5	6,5
28	Festila, C. Dulf, E.-H. Both, R.	Analysis, modeling and simulation of a DC supply with load power control , Joint International Conference - ACEMP 2015: Aegean Conference on Electrical Machines and Power Electronics, OPTIM 2015: Optimization of Electrical and Electronic Equipment and ELECTROMOTION 2015: International Symposium on Advanced Electromechanical Motion Systems , 2015	0,25	3	10,83333333
29	Dulf, E.-H. Muresan, C.I. Both, R. Fustos, C. Dulf, F.-V.	Auto-tuning fractional order velocity control of a DC motor , Joint International Conference - ACEMP 2015: Aegean Conference on Electrical Machines and Power Electronics, OPTIM 2015: Optimization of Electrical and Electronic Equipment and ELECTROMOTION 2015: International Symposium on Advanced Electromechanical Motion Systems , 2015	0,25	5	6,5
30	Muresan, C.I. Dulf, E.H. Both, R.	Comparative Analysis of Different Control Strategies for a Train of Cryogenic ¹³ C Separation Columns , Chemical Engineering and Technology Volume 38, Issue 4, 1 April 2015, Pages 619-631, 2015	2,385	3	32,18333333
31	R Both, EH Dulf, AM Cormos	Advanced control of a complex chemical process, Brazilian Journal of Chemical Engineering 33 (1), 155-168, 2016	1,104	3	19,37333333
32	Festila, C. Rusu-Both, R. Dulf, E.-H. Secara, M.	The linear and nonlinear behavior analysis for RC-filters , SACI 2016 - 11th IEEE International Symposium on Applied Computational Intelligence and Informatics, Proceedings , 2016	0,25	4	8,125
33	Dulf, E.-H. Muresan, C.I. Both-Rusu, R. Dulf, F.-V.	Robust Auto-tuning Fractional Order Control of an Aerodynamical System, Proceedings of the 2016 International Conference on Mechatronics, Control and Automation Engineering (MCAE) Book Series: AER-Advances in Engineering Research Volume: 58 Pages: 42-45, 2016	0,25	4	8,125
34	Roxana, Rusu-Both; Eva-Henrietta, Dulf	Auto-tuning Fractional Order Control of a Laboratory Scale Equipment, Proceedings of the 2016 International Conference on Mechatronics, Control and Automation Engineering (MCAE) Book Series: AER-Advances in Engineering Research Volume: 58 Pages: 46-50, 2016	0,25	2	16,25
35	Ionescu, C.M. Copot, D. Maxim, A. Dulf, E. Both, R. De Keyser, R.	Robust autotuning MPC for a class of process control applications , 2016 20th IEEE International Conference on Automation, Quality and Testing, Robotics, AQTR 2016 - Proceedings, 2016	0,25	6	5,416666667
36	Rusu-Both, R. Dulf, E.-H. Festila, C.	Fractional order model reference boiler control for a isotope separation column , 2016 20th IEEE International Conference on Automation, Quality and Testing, Robotics, AQTR 2016 - Proceedings, 2016	0,25	3	10,83333333

37	Roxana, Rusu-Both; Ioan, Nascu	Advanced Control of a Wastewater Treatment Plant, 2016 20th IEEE International Conference on Automation, Quality and Testing, Robotics, AQTR 2016 - Proceedings, 2016	0,25	2	16,25
38	Dulf, Eva-H.; Timis, Daniel; Iacob, Lucian-Cristian, Muresan, Cl; Both-Rusu, R	Fault Tolerant Distributed Control System with Robust Fractional Order Controllers, 2016 IEEE INTERNATIONAL CONFERENCE ON SYSTEMS, MAN, AND CYBERNETICS (SMC), Book Series: IEEE International Conference on Systems Man and Cybernetics Conference Proceedings, Pages: 2501-2504	0,25	5	6,5
39	Muresan, C.I. Dulf, E.H. Both, R.	Vector-based tuning and experimental validation of fractional-order PI/PD controllers, Nonlinear Dynamics, Volume 84, Issue 1, 1 April 2016, Pages 179-188	3,464	3	42,97333333
40	Roxana, Rusu-Both; Eva-Henrietta, Dulf	Fault-tolerant Control of a Cyber-physical System, IOP Conference Series: Materials Science and Engineering Volume 261, Issue 1, 6 November 2017, Article number 0120032017 International Conference on Artificial Intelligence Applications and Technologies, AIAAT 2017	0,25	2	16,25

Factor impact cumulat

21,896

Total punctaj A2.1.

502,3345238

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

Nr.	Autori	Titlu lucrare / revista (conferinta)	Baza de date	Nr. Autori	Punctaj
1	Both, R. Festila, C. Dulf, E. Szelitzky, T. Neaga, A.O.	2 ethyl-hexanol output temperature control in hydrogenation process , SACI 2011 - 6th IEEE International Symposium on Applied Computational Intelligence and Informatics, Proceedings , 2011	SCOPUS	5	4
2	Neaga, A.O. Festila, C. Dulf, E.H. Both, R. Szelitzky, T. Gligan, M.	Monitoring and control of liquid nitrogen level of the ^{13}C separation column using NI PXI-1031 , SACI 2011 - 6th IEEE International Symposium on Applied Computational Intelligence and Informatics, Proceedings , 2011	SCOPUS	6	3,333333333
3	Dulf, E.-H. Festila, C. Dulf, F.-V. Pop, C.-I. Both, R.	Fractional order controller design for ^{13}C separation column , 2011 19th Mediterranean Conference on Control and Automation, MED 2011	SCOPUS	5	4
4	Both, R. Dulf, E.-H. Neaga, A.O. Darab, C.P.	Robust control of the ^{15}N isotope separation column, SACI 2012 - 7th IEEE International Symposium on Applied Computational Intelligence and Informatics, Proceedings , 2012	SCOPUS	4	5
5	Neaga, A.O. Festila, C. Dulf, E.H. Szelitzky, T. Both, R. Pop, C.I. Gligan, M.	Electrical power monitoring and control in ^{13}C isotope separation column boiler , SACI 2012 - 7th IEEE International Symposium on Applied Computational Intelligence and Informatics, Proceedings , 2012	SCOPUS	7	2,857142857
6	Muresan, C.I. Both, R. Ionescu, C.M. Dulf, E.H.	Fractional order control for the temperature loop in a chemical reactor , 2012 16th International Conference on System Theory, Control and Computing, ICSTCC 2012 - Joint Conference Proceedings , 2012	SCOPUS	4	5
7	Dulf, E.H. Both, R. Munteanu, R. Festila, C. Secara, M.	Variable DC power sources for ^{13}C isotope separation column boiler supply , 2014 18th International Conference on System Theory, Control and Computing, ICSTCC 2014	SCOPUS	5	4
8	Ionescu, C.M. Muresan, C.I. Dulf, E.H. Both, R.	Analysis of control strategy for series distillation columns , 21st International Congress of Chemical and Process Engineering, CHISA 2014 and 17th Conference on Process Integration, Modelling and Optimisation for Energy Saving and Pollution Reduction, PRES 2014	SCOPUS	4	5
9	Ci Muresan, EH Dulf, R Both	A novel tuning algorithm for fractional order IMC controllers for time delay processes, International Journal of Mechanical Engineering and Robotics Research 4 (3), 218, 2015	SCOPUS	3	6,666666667
10	Dulf Eva-Henrietta, Roxana Both, Cristina-I. Muresan	Fractional order $\text{P}^{\lambda}\text{D}^{\mu}$ controller design for mechatronic systems, SIAM Conference Proceedings, DOI: http://dx.doi.org/10.1137/1.9781611974072.64 , 2015	SCOPUS	3	6,666666667
11	Roxana, R.-B. Eva-Henrietta, D.	Multi-Agent based fractional order control system for ^{13}C isotope separation column cascade , Proceedings - 2017 International Conference on Optimization of Electrical and Electronic Equipment, OPTIM 2017 and 2017 Intl Aegean Conference on Electrical Machines and Power Electronics, ACEMP 2017	SCOPUS	2	10
12	Székely, L. Dulf, E.-H. Rusu-Both, R.	Alarm monitoring and safety control system for a ^{13}C isotope separation cascade system , Proceedings - 2017 International Conference on Optimization of Electrical and Electronic Equipment, OPTIM 2017 and 2017 Intl Aegean Conference on Electrical Machines and Power Electronics, ACEMP 2017	SCOPUS	3	6,666666667
13	Chetan, R.G. Both-Rusu, R. Dulf, E.-H. Festila, C.	Physical model of a quarter-car active suspension system , 2017 18th International Carpathian Control Conference, ICC 2017	SCOPUS	4	5
14	Chetan, R.G. Both-Rusu, R., Festila, C.	MPP operation of a photo voltaic array connected to the power grid, Proceedings - 2017 International Conference on Optimization of Electrical and Electronic Equipment, OPTIM 2017 and 2017 Intl Aegean Conference on Electrical Machines and Power Electronics, ACEMP 2017	SCOPUS	3	6,666666667

Total punctaj A2.2.

74,85714286

A2.4.1.2. Granturi/proiecte castigate prin competitie: director/responsabil de proiect

Nr.	Tip: nat / internat.	Denumire proiect	Perioada	Nr. Ani	Punctaj
1	National	Contract PED178/2017 Sistem de diagnostic al tumorilor intratoracice bazat pe ultrasonografie și biomarkeri moleculari	2017-2018	1,5	15

Total punctaj A2.4.1.2 15

A2.4.2.2. Granturi/proiecte castigate prin competitie: membru în echipă

Nr.	Tip: nat / internat.	Denumire proiect	Perioada	Nr. Ani	Punctaj
1	National	MODELAREA STRUCTURALA COMPLEXA A COLOANELOR DE SEPARARE IZOTOPICA PENTRU STRATEGII AVANSATE DE CONTROL, ID_228/2008,	2009-2011	2	4
2	National	Modern Cascade for ^{13}C Cryogenic Separation (SEPCAS-13C), PCCA 155/2012	2012-2016	4	8
3	National	Strategii de control robust, fractionare pentru sisteme multivariable cu timp mort., TE PNII-RU-TE-2012-3-0307, 59/2013	2013-2016	3	6
4	National	SDCF, Distributed Control Strategies with Application to Robust Fractional Order Controllers for Distillation, UEFISCDI nr. 763 RO-CY, CAPACITATI, Modulul III, Cooperare bilateriala Romania - Cipru 2013, partener University of Cyprus	2014-2015	1	2
5	National	Strategii de conducere bazate pe tehnici de control avansat pentru optimizarea performantelor statilor de epurare a apelor uzate si reducerea consumurilor energetice, PCCA 274/2014	2014-2017	3	6
6	National	Strategii de control robust, tolerant la defecte, de ordin fractionar cu aplicații pentru cascada de coloane de separare izotopică, Proiect TE 38/2015	2015-2017	2	4
7	National	Utilizarea eficientă a glicerolului brut de biodiesel în producția de acid lactic, Proiect 17PED	2016-2018	2	4
8	National	Contract CEC-INOV 43/2017 Model la scară redusă al excitatorului pentru încercări dinamice destinat structurilor din lemn lamelar	2017	0,5	1

Total punctaj A2.4.2.2 35

A3.1.1. Citari în cărți, reviste și volume ale unor manifestări științifice (cărți, ISI)

Nr.	Articol citat	Articol care citează	Numar autori art.citat	Punctaj
1	E Dulf, R Both, DC Dumitache, Fractional order models for a cryogenic separation column, 2010 IEEE International Conference on Automation, Quality and Testing, Robotics, AQTR 2010 - Proceedings , 2010	Cl Muresan, C Ionescu, S Folea, R De Keyser , Fractional order control of unstable processes: the magnetic levitation study case, Nonlinear Dynamics, 2015 - Springer	3	2,666667
2		Flores-Tlacuahua, Antonio; Biegler, Lorenz T., Optimization of Fractional Order Dynamic Chemical Processing Systems , INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH Volume: 53 Issue: 13 Pages: 5110-5127 Published: APR 2 2014	3	2,666667
3		EH Dulf, Cl Pop, FV Dulf, Fractional calculus in ^{13}C separation column control, Signal, Image and Video Processing, 2012 - Springer	3	2,666667
4		EH Dulf, FV Dulf, Cl Muresan , Fractional Model of the Cryogenic (^{13}C) Isotope Separation Column, Journal Chemical Engineering Communications, Volume 202, 2015 - Issue 12	3	2,666667
5	EH Dulf, C Festila, FV Dulf, Cl Pop, R Both, Fractional order controller design for ^{13}C separation column, Control & Automation (MED), 2011 19th Mediterranean Conference on, 582-587, 2011	Mishra, Puneet; Kumar, Vineet; Rana, K. P. S., A fractional order fuzzy PID controller for binary distillation column control, EXPERT SYSTEMS WITH APPLICATIONS Volume: 42 Issue: 22 Pages: 8533-8549 , 2015	5	1,6
6		Cl Pop, C Ionescu, R De Keyser, EH Dulf , Robustness evaluation of fractional order control for varying time delay processes, Signal, Image and Video Processing, September 2012, Volume 6, Issue 3, pp 453-461, 2012	5	1,6
7		EH Dulf, Cl Pop, FV Dulf, Fractional calculus in ^{13}C separation column control, Signal, Image and Video Processing, 2012 - Springer	5	1,6

8	M Tulbere, R Both, Models for the AC locomotives regenerative braking, Automation Quality and Testing Robotics (AQTR), 2012 IEEE International Conference on	J.Lesela,D.Bourdon,G.Claisse,P.Debay,B.Robyns, Real time electrical power estimation for the energy management of automatic metro lines, MATHEMATICS AND COMPUTERS IN SIMULATION Volume: 131 Special Issue: SI Pages: 3-20 Published: JAN 2017	2	4
9		Lesel, Jonathan; Claisse, Gautier; Lesel, Jonathan; et al., Design of daily energy optimal timetables for metro lines using metaheuristics, PROCEEDINGS OF THE 18TH MEDITERRANEAN ELECTROTECHNICAL CONFERENCE MELECON 2016 Book Series: IEEE Mediterranean Electrotechnical Conference-MELECON Published: 2016	2	4
10		Resende, Lucas P.; Silva, Loan T. F. W.; Tomim, Marcelo A., RAILWAY TRAJECTORY MODELING FOR SIMULATION OF LOCOMOTIVES DRIVE SYSTEMS, 14th Brazilian Power Electronics Conference (COBEP) Location: Juiz de Fora, BRAZIL Date: NOV 19- 22, 2017	2	4
11	AO Neaga, C Festila, EH Dulf, T Szeltzky, R Both, CI Pop, M Gligan, Electrical power monitoring and control in 13 C isotope separation column boiler, Applied Computational Intelligence and Informatics (SACI), 2012 7th IEEE International Symposium on	Trușcă, M.R.C., Albert, Ș., Soran, M.L., (...), Farcas, F., Ungurean, M.L., Application for some parameters monitoring in installation for isotopes separation , Proceedings of 2014 IEEE International Conference on Automation, Quality and Testing, Robotics, AQTR 2014 6857931	7	1,142857
12	R Both, EH Dulf, C Festila, Robust control of a catalytic 2 ethyl- hexenal hydrogenation reactor, Chemical engineering science 74, 300-309	Harja, Gabriel; Vlad, Grigore; Nascu, Ioan, MPC advanced control of dissolved oxygen in an activated sludge wastewater treatment plant, PROCEEDING OF 2016 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS (AQTR) Book Series: IEEE International Conference on Automation Quality and Testing Robotics Pages: 269-274 Published: 2016	3	2,666667
13	CI Muresan, R Both, CM Ionescu, EH Dulf, Fractional order control for the temperature loop in a chemical reactor, System Theory, Control and Computing (ICSTCC), 2012 16th International Conference on, 2012	Muresan, Cristina I.; Dulf, Eva H.; Prodan, Ovidiu, A fractional order controller for seismic mitigation of structures equipped with viscoelastic mass dampers , JOURNAL OF VIBRATION AND CONTROL Volume: 22 Issue: 8 Special Issue: SI Pages: 1980-1992 Published: MAY 2016	4	2
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A3.1.2. Citari in carti, reviste si volume ale unor manifestari stiintifice (BDI)

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Nr.	Scopul	Perioada	Tipul
1	Membru Program Committee	IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR 2016), Cluj-Napoca, Romania	19 May - 21 May 2016 ISI
2	Membru Program Committee	EEE International Conference on Automation, Quality and Testing, Robotics (AQTR 2018), Cluj-Napoca, Romania	24 May - 26 May 2018 ISI

Total punctaj A3.2.

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