FIŞA DE VERIFICARE
a îndeplinirii standardelor minimale necesare și obligatorii pentru conferirea titlului didactic de **PROFESOR UNIVERSITAR**
DOMENIUL - Calculatoare, tehnologia informației și ingineria sistemelor (Comisia 15 CNATDCU)
http://www.cnatdcu-c15.org/Standarde-C15.pdf

Subsemnatul Prof. univ. dr. ing. PĂTRĂȘCIOIU Cristian, conducător de doctorat în domeniul *Ingineria Sistemelor,*
declar pe proprie răspundere că datele prezentate în fișa de verificare de mai jos sunt reale.
Conform acestor date declar că NU ÎNDEPLINESC
Standardele minimale necesare şi obligatorii
pentru abilitare (respectiv pentru conferirea titlului didactic de profesor universitar),
aferente Domeniului *Calculatoare, tehnologia informaţiei şi ingineria sistemelor* ,
valabile la data de 08.04.2020.
În ultimii 5 ani am realizat 620.3 puncte, ceea ce reprezintă 79.97 din punctajul minim solicitat (850 puncte)
pentru domeniul *Calculatoare, tehnologia informației și ingineria sistemelor.*

Prof.univ.dr.ing. PĂTRĂȘCIOIU Cristian

1. Studiile de doctorat

Nr. crt.	Instituția organizatoare de doctorat	D o m e n i u l	Perioada	Titlul științific acordat
	Universitatea Petrol-Gaze	SISTEME AUTOMATE	1987-1994	Doctor inginer

2. Îndeplinirea standardelor minimale

Domeniul activităților	Categorii și restricții		Subcategorii		Indicatori (kpi)	Punctaj total	Punctaj 5 ani
1	2		3		4	5	6
20+20+40+40+40+40+13.3+5.7 Activitatea didactică și profesională (A1)	Cărți de autor sau capitole[1] de specialitate în edituri cu ISBN	Cărți / monografii	A1.1.5.7+1	internaționale	50 / nr. de autori sau 100 / nr. de autori cu		
				Pătrășcioiu C. - Centrifugal Pumps - Fluid Flow Control, InTech Publishier, ISBN 978-953-51-0051-5, 32/106 pages, 2012	50/1=	50	
				TOTAL A1.1.1		**50**	
			A1.1.2	naționale	50/nr. de autori		
				Marinoiu V., Stratula C., Pătrășcioiu C. – Metode numerice aplicate in ingineria chimica, Bucuresti, Editura Tehnica, 1986	50/3=	16.6	
				Pătrășcioiu C. – Tehnici numerice de optimizare, Editura MatrixRom, Bucuresti, 2005	50/1=	50	
				Pătrășcioiu C., Popescu M., Dinamica sistemelor chimice, Editura MatrixRom, Bucuresti, 2015	50/2=	25	25
				Dumitrache I. (coordonator), Automatica, vol. 3, Popescu D., Paraschiv N., Patrascioiu C., Cap. 33, Automatizări în industria chimică și petrochimică, Editura Academiei Române, București, 2016.	50/3=	16.6	16.6
				Pătrășcioiu C., *Doicin B., Tehnici de optimizare – Aplicații numerice*, Editura MatrixRom, București, 2017.	50/3=	16.6	16.6
				TOTAL A1.1.2		**124.8**	**58.2**
	Material didactic / Lucrări didactice publicate în edituri cu ISBN	Manuale didactice	A1.2.1		40/ nr. autori		
				Marinoiu V., Dumitrascu L., Minoiu St., Macri I., Popa C., Marinoiu C., Pătrășcioiu C. - Programare - Indrumar de laborator, Institutul de Petrol si Gaze, Ploiesti, 1987	40/7=	5.7	
				Marinoiu V., Paraschiv N., Pătrășcioiu C. - Automatizarea proceselor petrochimice - Indrumar de laborator, Institutul de Petrol si Gaze, Ploiesti, 1988	40/3=	13.3	
				Pătrășcioiu C. – Metode numerice aplicate in ingineria chimica – Caiet de lucrari practice, Editura Universitatii "Petrol – Gaze", Ploiesti, 2001	40/1=	40	
				Pătrășcioiu C. – Metode numerice aplicate in ingineria chimica – Aplicatii in PASCAL, Editura MatrixRom, Bucuresti, 2004	40/1=	40	
				Pătrășcioiu C. – Metode numerice aplicate in ingineria chimica – Aplicatii in PASCAL, Editia a 2a, Editura MatrixRom, Bucuresti, 2005	40/1=	40	

				Pătrăşcioiu C. – Tehnici de optimizare – Aplicatii numerice, Editura MatrixRom, Bucuresti, 2008	40/1=	40	
				Pătrăşcioiu C., Popescu M., Sisteme de conducere a proceselor chimice – Aplicatii, Editura MatrixRom, Bucuresti, 2013, Popescu C., Patrascioiu C.	40/2=	20	
				Patrascioiu C., Popescu C., *Calcul si metode numerice*, Editura Universitatii Petrol-Gaze din Ploiesti, 2017.	40/2=	20	20
				TOTAL A1.2.1		**219**	**20**
TOTAL A1						**393.8**	**78.2**

Activitatea de cercetare (A2)	Articole în reviste cotate ISI și lucrări în volumele unor manifestări științifice indexate ISI	A 2.1.		(25+30*IF) /nr. autori		Punctaj 5 ani
			Popa C., Nicolae N., Patrascioiu C., *Estimation of the Kinetic Parameters of a Catalytic Cracking Model. Case Study*, REV.CHIM. (Bucharest), 70, No.10, 2019, p. 3532-3537.	(25+30* 1.412)/3=	22.4	22.4
			COSMINA MIHAELA ROSCA, MARIAN POPESCU, CRISTIAN PATRASCIOIU, ADRIAN STANCU, Comparative Analysis of pH Level Between Pasteurized andUTH Milk Using Dedicated Developed Application, Revista de chimie, 70, 11, 2019, p. 3917-3920	(25+30* 1.412)/4=	16.8	16.8
			Patrascioiu, Cristian, Popescu, Marian, Study of the Control Systems of a Distillation Process Equipped with Heat Pump, Revista de Chimie, Volume: 69, Issue: 9, Pages: 2535-2540, 2018 https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=C2OugpRGV5IUsmZjaPy&page=1&doc=1	(25+30* 1.412)/2=	33.6	33.6
			Patrascioiu, Cristian, Petre, Mariana Valentina, Tubular Furnaces Performances Study Using UniSim FPH Simulator, Revista de Chimie, Volume: 68, Issue: 8, Pages: 1790-1795, 2017 https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=C2OugpRGV5IUsmZjaPy&page=1&doc=2	(25+30* 1.412)/2=	33.6	33.6
			Patrascioiu, Cristian, Stamatescu, Grigore, Process funding Monitoring pH with HART Communication, PROCEEDINGS OF THE 2017 9TH IEEE INTERNATIONAL CONFERENCE ON INTELLIGENT DATA ACQUISITION AND ADVANCED COMPUTING SYSTEMS: TECHNOLOGY AND APPLICATIONS (IDAACS), VOL 2 , Pages: 864-869, 2017 https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=C2OugpRGV5IUsmZjaPy&page=1&doc=3	(25+30* 0.25)/2=	16.2	16.2
			Patrascioiu, Cristian, The Modeling and Simulation of the Convection Section of the Atmospheric Distillation Plant Heaters, Revista de Chimie, 2026, Volume: 67, Issue: 8, Pages: 1599-1606 https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=C2OugpRGV5IUsmZjaPy&page=1&doc=4	(25+30* 1.412)/1=	67.2	67.2
			Total partial		189.8	189.8

			Doicin, Bogdan, Popescu, Marian, Patrascioiu, Cristian, PID Controller Optimal Tuning, International Conference on Electronics Computers and Artificial Intelligence, 2016 https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=C2OugpRGV5IUsmZjaPy&page=1&doc=5	(25+30* 0.25)/3=	10.8	10.8
			Cristian, Patrascioiu, Ahn, Cao Minh, Characterization and Control of the Distillation Column with Heat Pump, International Conference on Electronics Computers and Artificial Intelligence, 2016 https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=D1dc4eQg6N68msk1B6t&page=1&doc=1	(25+30* 0.25)/2=	16.2	16.2
			Romulus, Jacota Dan, Cristian, Patrascioiu, Bogdan, DoicinTWO-WAY LINEAR INTERPOLATION USED FOR GENERATING ABSOLUTE PERMEABILITY DISTRIBUTIONS FOR HYDROCARBON RESERVOIRS, International Multidisciplinary Scientific GeoConference-SGEM, 2016 https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=D1dc4eQg6N68msk1B6t&page=1&doc=2	(25+30* 0.25)/3=	10.8	10.8
			Patrascioiu C., Popa C., The Performances Estimation of the FCC Plant using Numerical Treatment of the Castiglioni Method, Revista de chimie Volume: 66, Issue: 8, 2015 https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=C2OugpRGV5IUsmZjaPy&page=1&doc=6	(25+30* 1.412)/2=	33.6	33.6
			Popa C., Patrascioiu C., Cangea O., Performance Analysis of the Four Lump Kinetic Model of the Riser Catalytic Cracking, Revista de chimie Volume: 66, Issue: 6, 2015, pp. 883-885. https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=C2OugpRGV5IUsmZjaPy&page=1&doc=8	(25+30* 1.412)/3=	22.4	22.4
			Patrascioiu, Cristian, Popa, Cristina, The Performances Estimation of the FCC Plant Using Numerical Treatment of the Castiglioni Method, Revista de Chimie, Volume: 66, Issue: 9, Pages: 1490-1494, 2015 https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=C2OugpRGV5IUsmZjaPy&page=1&doc=7	(25+30* 1.412)/3=	22.4	22.4
			Total partial		116.2	116.2

			Doicin B., Patrascioiu C., Amza C.G., Onutu I., Mathematical Model for Studying the Variation of Gasoline-Bioethanol Blend Properties, Revista de chimie 66, No. 4, 2015, pp. 523-528. https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=C2OugpRGV5IUsmZjaPy&page=1&doc=9	(25+30* 1.412)/4=	16.8	16.8
			Pătrăşcioiu C., Rădulescu S., Prediction of the outlet temperatures in triple concentric—tube heat exchangers in laminar flow regime: case study, Heat and Mass Transfer,Volume 51, Issue 1, January 2015, ISSN: 0947-7411 pp 59-66.	(25+30* 1.494)/2=	34.9	34.9
			Patrascioiu, Cristian, Anh, Cao Minh, Popescu, Marian, Control of Propylene - Propane Distillation Process using Unisim (R) Design, 19TH INTERNATIONAL CONFERENCE ON SYSTEM THEORY, CONTROL AND COMPUTING (ICSTCC), Pages: 747-752, 2015 https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=C2OugpRGV5IUsmZjaPy&page=1&doc=10	(25+30* 0.25)/3=	10.8	10.8
			Patrascioiu C., Popescu M., Paraschiv N., Specific Problems of Using Unisim Design in the Dynamic Simulation of the Propylene-Propane Distillation Column, Revista de chimie 65, No. 9, 2014, pp. 1086-1091 https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=C2OugpRGV5IUsmZjaPy&page=1&doc=15	(25+30* 1.412)/3=	22.4	
			Mihaescu D., Paraschiv N., Patrascioiu C., Baiesu Alina, Advanced Control System for a Refining Hydrogen Sulphide Absorption Plant, Revista de chimie 64, No. 9, 2013, pp 1028-1036 https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=C2OugpRGV5IUsmZjaPy&page=1&doc=16	(25+30* 1.412)/4=	16.8	
			Popescu M., Patrascioiu C., Mihalache S., Baiesu A., New Control Strategies for Quality of the Separated Products of a Butylene-Butane Distillation Column. Internal Model Control Algorithm, Revista de chimie 64, No. 8, 2013, pp 886-893 https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=C2OugpRGV5IUsmZjaPy&page=1&doc=17	(25+30* 1.412)/4=	16.8	
			Total partial		118.5	62.5

			Popa C., Patrascioiu C., Increase the catalytic cracking process efficiency by implementation an optimal control structure. Case study, 21st European Symposium on Computer Aided Process Engineering, 2011, pp. 477-481, in Computer-Aided Chemical Engineering, vol 29, Elsevier, 2011. https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=C2OugpRGV5IUsmZjaPy&page=1&doc=18	(25+30* 0.25)/2=	16.2
			Popa C., Patrascioiu C., New Approach in Modelling, Simulation and Hierarchical Control of the Fluid Catalytic Cracking Process, Revista de Chimie, 61, Nr.4, 2010, ISSN 0034-7752, pp. 419-426 https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=C2OugpRGV5IUsmZjaPy&page=1&doc=19	(25+30* 1.412)/2=	33.6
			Patrascioiu C., Pascu C., Numerical Modeling of Vapor-Liquid Equilibrium by using the Edmister - Ookamoto Model, Revista de Chimie, Vol. , nr. 7, Bucuresti, 2009, pp. 728-734. https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=C2OugpRGV5IUsmZjaPy&page=1&doc=20	(25+30* 1.412)/2=	33.6
			Patrascioiu C., Rabahi I., Mihaescu D., Optimal Control for the Jibissa Absorption Plant, Procedings of the 5th WSEAS International Conference on Dynamical Systems and Control CONTROL 09, ISBN 978-960-474-094-9, ISSN 1790-2769, LaLaguna, Spain, 2009, pp. 57-62. https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=C2OugpRGV5IUsmZjaPy&page=1&doc=21	(25+30* 0.25)/3=	10.8
			Patrascioiu C., Panaitescu C., Paraschiv N., Control valves – Modeling and Simulation, Procedings of the 5th WSEAS International Conference on Dynamical Systems and Control (CONTROL 09), ISBN 978-960-474-094-9, ISSN 1790-2769, LaLaguna, Spain, 2009, pp. 63-68. https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=C2OugpRGV5IUsmZjaPy&page=1&doc=22	(25+30* 0.25)/3=	10.8
			Mihalache, S.F., Pătrăşcioiu, C. Paraschiv, N., Pilot Plant for Testing Control Configurations of Binary Distillation Columns, Revista de Chimie, Vol.59, Nr.7, 2008, pp. 926-929. https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=C2OugpRGV5IUsmZjaPy&page=1&doc=23	(25+30* 1.412)/3=	22.4
			Total partial		127.4

			Patrascioiu C., Paraschiv N., Popescu M., Manea A., Tucu Gh., Ghenoiu M., Training in Operating Plant with DCS in the Romanian's Refineries, Proceedings of the 4th WSEAS/IASME International Conference on Educational Technologies EDUTE08, ISBN 978-969-474-013-0, ISSN 1790-5109, pp. 75-80 https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=C2OugpRGV5IUsmZjaPy&page=1&doc=25	(25+30* 0.25)/6=	5.4
			Patrascioiu C., Petre M., Rabahi I., Modeling, simulation and optimal control of the natural gas Jibissa plant, Simulation, Modelling and Optimization, Proceedings of the 8th WSEAS International Conference on Simulation, Modelling and Optimization, ISBN 978-960-474-007-9, ISSN 1790-2769, 2008, pp. 133-137 https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=C2OugpRGV5IUsmZjaPy&page=1&doc=26	(25+30* 0.25)/3=	10.8
			Patrascioiu C., Mihalache S., *Load Balancing Control System of a Furnace from Atmospheric Distillation Unit*, 18th European Symposium on Computer Aided Process Engineering, Computer-Aided Chemical Engineering, vol 25, Elsevier, 2008, ISBN 978-0-444-53227-5, ISSN 1570-7946, pp. 447-452 https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=C2OugpRGV5IUsmZjaPy&page=1&doc=24	(25+30* 0.25)/2=	16.2
			Patrascioiu C., The Real Time Reconciliation Data, Revista de Chimie, Vol 58, Nr. 7, ISSN 0034-7752, Bucuresti, 2007, pp. 705-710 https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=C2OugpRGV5IUsmZjaPy&page=1&doc=27	(25+30* 1.412)/2=	33.6
			Pătrăşcioiu C., Marinoiu V. - Modelling and Optimal Control of an Industrial Furnace - DYCOPS-5, 5th IFAC Symposium on Dynamics and Control of Process Systems, Corfu, Grecee, June 8-10, 1998, pp. 490-495. https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=C2OugpRGV5IUsmZjaPy&page=1&doc=28	(25+30* 0.25)/2=	16.2
			Pătrăşcioiu C., Marinoiu V. - Sistem automat evoluat pentru cuptoarele tubulare din instalatia de distilare atmosferica si in vid a titeiului I. Modelarea matematica a combustiei si transferului termic - Revista de chimie nr.4, 1997, pp. 357-369. https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=C2OugpRGV5IUsmZjaPy&page=1&doc=29	(25+30* 1.412)/2=	33.6
			Total partial		115.8

			Marinoiu V., Paraschiv N., Pătrăşcioiu C., Cirtoaje V. Advanced Control for Oil Plant - A Case Study, European Symposium on Computer Aided Process Engineering-6, 26-29 May, Rhodes, Grece, In Suplement to Computers & Chemical Engineering, Part B, Pergamon, 1996, pp. S1125-S1129 (**REVISTA Q1**) https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=C2OugpRGV5IUsmZjaPy&page=1&doc=30	(25+30* 3.113)/4=	29.5	
			Pătrăşcioiu C., Precup I. - Modelarea si simularea procesului de extractie in contracurent a aromatelor din amestecurile complexe, Revista de Chimie, Nr. 3-4, 1992, pp. 141-146. https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=C2OugpRGV5IUsmZjaPy&page=1&doc=31	(25+30* 1.412)/2=	33.6	
			Marinoiu V., Paraschiv N., Pătrăşcioiu C. - Conducerea cu calculatorul a procesului de separare a propenei, Revista de chimie, Nr. 11, 1986, pp. 990-994. https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=C2OugpRGV5IUsmZjaPy&page=1&doc=32	(25+30* 1.412)/3=	22.4	
			Total partial		85.5	
			TOTAL A2.1 (189.8+116.2+118.5+127.4+115.8+85.5) **TOTAL 5 ani**		**753.2**	**368.5**

Activitatea de cercetare (A2)	Articole in reviste, si în volumele unor manifestări științifice indexate in alte baze de date internaționale recunoscute (BDI)	A2.2	**SCOPUS**	20 / nr. autori		Punctaj 5 ani
			Patrascioiu, C., Doicin, B., Stamatescu, G., Optimal blending study for the commercial gasoline, Computer Aided Chemical Engineering, Vol. 37, Pag: 215-220, 2015. https://www.scopus.com/record/display.uri?eid=2-s2.0-84940483894&origin=resultslist&sort=plf-f&src=s&st1=patrascioiu+c&nlo=&nlr=&nls=&sid=68dca5b36e0c9bfeb37f9172922d82d0&sot=b&sdt=b&sl=26&s=AUTHOR-NAME%28patrascioiu+c%29&relpos=10&citeCnt=0&searchTerm=	20/3=	6.6	6.6
			Patrascioiu, C., Doicin, B., Property estimation of commercial ecological gasoline, Chemical Engineering Transactions, Vol. 43, Pag: 247-252, 2015. https://www.scopus.com/record/display.uri?eid=2-s2.0-84946081929&origin=resultslist&sort=plf-f&src=s&st1=patrascioiu+c&nlo=&nlr=&nls=&sid=68dca5b36e0c9bfeb37f9172922d82d0&sot=b&sdt=b&sl=26&s=AUTHOR-NAME%28patrascioiu+c%29&relpos=11&citeCnt=2&searchTerm=	20/2=	10	10
			Patrascioiu, C., Paraschiv, N., Minh, A.C., Popescu, M., Robust Control of Industrial Propylene-Propane Fractionation Process, Computer Aided Chemical Engineering, Vol. 37, Pag: 1745-1750, 2015. https://www.scopus.com/record/display.uri?eid=2-s2.0-84940502233&origin=resultslist&sort=plf-f&src=s&st1=patrascioiu+c&nlo=&nlr=&nls=&sid=68dca5b36e0c9bfeb37f9172922d82d0&sot=b&sdt=b&sl=26&s=AUTHOR-NAME%28patrascioiu+c%29&relpos=12&citeCnt=1&searchTerm=	20/4=	5	5
			Patrascioiu, C., Nicoleta, N., The optimal gasoline blending into Romanian refinery: Case study, Proceedings of the 9th International Conference on Informatics in Control, Automation and Robotics, 2012. https://www.scopus.com/record/display.uri?eid=2-s2.0-84867696192&origin=resultslist&sort=plf-f&src=s&st1=patrascioiu+c&nlo=&nlr=&nls=&sid=68dca5b36e0c9bfeb37f9172922d82d0&sot=b&sdt=b&sl=26&s=AUTHOR-NAME%28patrascioiu+c%29&relpos=16&citeCnt=1&searchTerm=	20/2=	10	
			Total partial		31.6	21.6

			Popa, C., **Patrascioiu, C**., Increase the catalytic cracking process efficiency by implementation an optimal control structure. Case study, Computer Aided Chemical Engineering, Vol. 29, Pag: 477-481, 2011. https://www.scopus.com/record/display.uri?eid=2-s2.0-79958858296&origin=resultslist&sort=plf-f&src=s&st1=patrascioiu+c&nlo=&nlr=&nls=&sid=68dca5b36e0c9bfeb37f9172922d82d0&sot=b&sdt=b&sl=26&s=AUTHOR-NAME%28patrascioiu+c%29&relpos=17&citeCnt=0&searchTerm=	20/2=	10	
			Patrascioiu, C., Mihaescu, D., The numerical algorithms used to the identification of the first order dynamic models: Case study, Proceedings of the IASTED International Conference on Modelling, Identification and Control, Pag: 167-173, 2011. https://www.scopus.com/record/display.uri?eid=2-s2.0-79958102811&origin=resultslist&sort=plf-f&src=s&st1=patrascioiu+c&nlo=&nlr=&nls=&sid=68dca5b36e0c9bfeb37f9172922d82d0&sot=b&sdt=b&sl=26&s=AUTHOR-NAME%28patrascioiu+c%29&relpos=18&citeCnt=1&searchTerm=	20/2=	10	
			Popa, C., **Patrascioiu, C**., The model predictive control system for the fluid catalytic cracking unit, 6th WSEAS International Conference on Dynamical Systems and Control, CONTROL '10, Pag: 95-100, 2010. https://www.scopus.com/record/display.uri?eid=2-s2.0-79952542504&origin=resultslist&sort=plf-f&src=s&st1=patrascioiu+c&nlo=&nlr=&nls=&sid=68dca5b36e0c9bfeb37f9172922d82d0&sot=b&sdt=b&sl=26&s=AUTHOR-NAME%28patrascioiu+c%29&relpos=19&citeCnt=3&searchTerm=	20/2=	10	
			Patrascioiu, C., Mihaescu, D., The control systems analyze of the Romanian refinery gases desulphurization plants, 6th WSEAS International Conference on Dynamical Systems and Control, CONTROL '10, Pag: 107-112, 2010. https://www.scopus.com/record/display.uri?eid=2-s2.0-79952545311&origin=resultslist&sort=plf-f&src=s&st1=patrascioiu+c&nlo=&nlr=&nls=&sid=68dca5b36e0c9bfeb37f9172922d82d0&sot=b&sdt=b&sl=26&s=AUTHOR-NAME%28patrascioiu+c%29&relpos=20&citeCnt=2&searchTerm=	20/2=	10	
			Total partial		40	

			Patrascioiu, C., Marinoiu, C., The applications of the non-linear equations systems algorithms for the heat transfer processes, 12th WSEAS International Conference on Mathematical Methods, Computational Techniques and Intelligent Systems, MAMECTIS '10, Pag: 30-35, 2010. https://www.scopus.com/record/display.uri?eid=2-s2.0-79952568786&origin=resultslist&sort=plf-f&src=s&st1=patrascioiu+c&nlo=&nlr=&nls=&sid=68dca5b36e0c9bfeb37f9172922d82d0&sot=b&sdt=b&sl=26&s=AUTHOR-NAME%28patrascioiu+c%29&relpos=21&citeCnt=8&searchTerm=	20/2=	10	
			Total Scopus (31.6+40+10) **Total 5 ani**		**81.6**	**21.6**

	Proprietate intelectuală, brevete de invenție, certificate ORDA .		A.2.3.1	Internaționale	35/ nr. autori	
			A.2.3.2	Naționale (OSIM)	25 /nr. autori	
	Granturi / proiecte de cercetare câștigate prin competiție Contracte cu agenți economici, în valoare de minim 10000 USD echivalent încasați	Director /responsabil partener	A2.4.1.1	internaționale	20 * ani desfășurare	
			A2.4.1.2.	naționale	10 * ani desfășurare	
				Impactul masuratorilor eronate si a buclelor de reglare defecte asupra starii stabile a procesului de pe platforma RC2, OMV Petrom, sucursala Petrobrazi, 2011		10
				Sistem de instruire a personalului tehnolog in vederea operarii sistemelor de conducere distribuite pentru instalatia DAV bazat pe simulatoare SIMTRONICS, S.C. Petroconsult S.A., Ploiesti, 2007		10
				Sistem de instruire a personalului tehnolog in vederea operarii sistemelor de conducere distribuite, SNP Petrom sucursala Petrobrazi, 2005		10
				Studiu privind conducerea automată evoluată a coloanei de fracţionare C10 de la instalaţia de izomerizare a fracţiei C5-C6, SNP Sucursala Petrobrazi, 2002		10
				Studiu de solutie privind dispecerizarea productiei, distributiei si consumului de abur pe platforma Petrobrazi, SNP Sucursala Petrobrazi, 2002		10
				Program de prelucrare in timp real a datelor experimentale de la standul de probe de presiune, UZTEL S.A. Ploiești, 1999		10
				Dezvoltarea structurilor de reglare automata evoluata a calitatii fractiilor separate de coloana de distilare atmosferica, SNP Sucursala Petrobrazi, 1999		10
				Sistem de programe pentru conducerea automata evoluata a cuptoarelor 100 H1, H2 si H3 din instalatia DAV-3", S.C. RAFO S.A. Onesti, 1996-1997		10
				Sisteme evoluate de conducere automata a cuptoarelor tubulare, CP Teleajen, 1988-1989		10
				Elaborarea sistemului de optimizare a conducerii procesului de fractionare a gazolinei cu microsistemul SPOT-83, Intreprinderea Rafinaria Ploiesti, 1988		10
				Oportunitatea dezvoltarii unor sisteme evoluate de conducere automata pentru procesul de fractionare butan-butene, ICITPR Ploiesti, 1984.		10
				Marirea potentialului de materii prime pentru petrochimie - Analiza functionarii coloanei de separare a propenei din instalatia de piroliza de la CP Teleajen in diferite regimuri de exploatare, ICITPR Ploiesti, 1983		10
				Total A2.4.1		**120**

		Membru	A2.4.2.	internaționale	4 * ani desfășurare

		în echipă	1.			
			A2.4.2.2.	naționale	2 * ani desfășurare	
				Tehnologie, asistata de calculator, pentru obtinerea unor uleiuri pentru prelucrarea metalelor, compatibile cu mediul, utilizate in industria constructoare de masini, Proiect CEEX, 2006		2
				Contract international - Training, Operation and Maintenance Services (TOMS), Dung Quat Refinery, Vietnam, 2007		2
				Dezvoltare de structuri hardware si software privind nivelul de securitate in domeniul extractiei si prelucrarii primare de titei si gaze, Proiect CEEX, Modul 1, MENER, 2006		2
				Sistem informatic destinat procesarii in timp real a informatiilor furnizate de aparatura inteligenta de laborator, SNP Petrom sucursala Petrobrazi, 2005		2
				Algoritm practic pentru reglarea parametrilor sistemelor de comducere distribuita, SNP Petrom sucursala Petrobrazi, 2005		2
				Integrarea solutiilor de dispecerizare a consumurilor de energie electrica, abur si de utilitati, in vederea configurarii functiilor dispeceratului energetic si de utilitati al rafinariei Petrobrazi, SNP Petrom sucursala Petrobrazi, 2004		2
				tudiu de solutie privind dispecerizarea productiei, distributiei si consumului de utilitati pe platforma Petrobrazi, SNP Petrom sucursala Petrobrazi, 2003		2
				Studiul influenţei umidităţii gazelor naturale asupra corectitudinii măsurării cantităţilor acestora la staţiile de predare primire şi a promovării şi implementării metodelor de corecţie, S.C. TRANSGAZ S.A., 2002		2
				Sistem de monitorizare informatizata a parametrilor tehnologici de la cuptoarele de tratament termic secundar sector TT Uztel, S.C. UZTEL S.A., 2002		2
				Baza de date a U.P.G. Ploieşti şi World Wide Web Site, CNCSIS, 2001		2
				Modernizarea programului de monitorizare pentru standul de probat armături, UZTEL S.A. Ploieşti, 2001		2
				Sistem computerizat pentru monitorizarea si reglarea in timp real a proceselor dinamice – CNFIS, 2001		2
				Modernizarea structurilor si algoritmilor de conducere la instalatiile de pe platforma RC2 - SNP Sucursala Petrobrazi, 2001		2
				Program de prelucrare in timp real a datelor experimentale de la standul de probe de presiune, UZTEL S.A. Ploieşti, 1999		2
				Sistem evoluat de conducere a transferului termic pentru trenul de schimbatoare de caldura de la instalatia DAV, SNP Sucursala Petrobrazi, 1999		2
				Sistem de programe pentru conducerea automata evoluata a coloanelor 100C1, C2 si C3 din instalatia DAV-3", S.C. RAFO S.A. Onesti, 1995-1996		2
				Total partial		32

			A2.4.2.2.		2 * ani desfăşurare	
				Sistem de programe pentru utilizarea echipamentului SPOT 83 in conducerea cuptoarelor 100 H1, H2 si H3 - DAV3, S.C. RAFO S.A. Onesti, 1993 - 1994		2
				Cercetari privind sistemul de obturare cu ventil profilat, CEPROAR SA Tirgoviste, 1992		2
				Conducerea automata a proceselor petrochimice - Cercetarea dinamicii unei coloane de separare a amestecului binar propena-propan.		2
				Conducerea automata a proceselor petrochimice - Investigarea algoritmilor de tratare a modelelor matematice dinamice asociate coloanelor de fractionare in vederea stabilirii celor mai performanti algoritmi, Ministerul Invatamintului si Stiintei - Departamentul Stiintei, 1992		2
				Conducerea automata a proceselor petrochimice - Tratarea sistemica, din punct de vedere al conducerii automate, a proceselor de separare asociate instalatiilor petrochimice, Ministerul Invatamintului si Stiintei - Departamentul Stiintei, 1991		2
				Sisteme de conducere automata evoluate bazate pe microprocesoare pentru instalatia DAV, CIRP Brazi, 1988-1989		2
				Cercetarea si proiectarea asistata de calculator a tehnologiei de fabricare a robinetelor de reglare si a armaturilor nucleare, IUP Tirgoviste, 1986		2
				Sisteme de conducere automata evoluate bazate pe microprocesoare pentru instalatia DAV, CIRP Brazi, 1986-1987		2
				Conducerea cu calculatorul electronic M18 a instalatiei de fractionare a gazelor de pe platforma de cracare catalitica, CIRP Brazi, 1985		2
				Cercetarea si proiectarea asistata de calculator a tehnologiei de fabricare a robinetelor de reglare si a armaturilor nucleare, IUP Tirgoviste, 1985		2
				Automatizarea procesului de sulfonare cu SO3, ICECHIM Bucuresti, 1985		2
				Cercetarea si proiectarea asistata de calculator a tehnologiei de fabricare a robinetelor de reglare si a armaturilor nucleare, IUP Tirgoviste, 1984		2
				Elaborarea unui sistem de programe pentru dimensionarea robinetelor de reglare, IUP Tirgoviste, 1980		2
				Total A2.4.2		**26**
	Total A2.4			**(120+32+26)=**		**178**
TOTAL A2				**(834.8+390.1+0+178)=** **5 ani**		**1402.9** **390.1**

Recunoaștere a și impactul activității (A3)	Citări în cărți, reviste și volume ale unor manifestări științifice	A3.1.1	Cărți, ISI	8/ nr. aut. articol citat		Punctaj 5 ani
			Pătrăscioiu, C. - *Tehnici numerice de optimizare*, Matrix Rom, 2005. Popescu M. - *Hierarchical Control System Design for a Propylene-Propane Separation Column*, Proceedings CSCS – 17, 17th International Conference on Control Systems and Computer Science, București, România, Vol. 2, p. 105-108. (**ISI**) http://cscs19.hpc.pub.ro/files/Program_CSCS17_2009.pdf	8/1=	8	
			Pătrăscioiu, C. - *Tehnici numerice de optimizare*, Matrix Rom, 2005. Băieșu A.C., Băieșu A.S., *Dynamic Investigation, Identification and Decoupling of a Multivariable 2X2 Temperature Process*, Buletinul Universităţii Petrol – Gaze din Ploieşti, Seria Tehnica, Vol. LXVI, No. 2/2014, p. 91-99. (**ISI**) http://www.bulletin.upg-ploiesti.ro/content.jsp?page=2203&language=2&pageType=T	8/1=	8	
			Pătrăscioiu, C. - *Tehnici numerice de optimizare*, Matrix Rom, 2005. Alina-Simona Băieșu, *Modeling a Nonlinear Binary Distillation Column*, CEAI, Vol.13, No.1, pp. 49-53, 2011 (**ISI**) http://www.ceai.srait.ro/index.php/ceai/article/view/1161/885	8/1=	8	
			Pătrăscioiu, C. - *Tehnici numerice de optimizare*, Matrix Rom, 2005. Paraschiv N., *Achizitia si prelucrarea datelor*, Editura Universitatii Petrol-Gaze din Ploiesti, 2013 (**Carte**) Editura Universitatii Petrol-Gaze din Ploiesti	8/1=	8	
			Pătrăscioiu, C. - *Tehnici numerice de optimizare*, Matrix Rom, 2005. Bohiltea I., Cursaru D., *Elemente de modelare si optimizare a proceselor chimice*, Editura MatrixRom, Bucuresti, 2009. (**Carte**) Editura MatrixRom, Bucuresti.	8/1=	8	
			Pătrăscioiu, C. - *Tehnici numerice de optimizare*, Matrix Rom, 2005. Cristina Popa, *Reglarea ierarhica a procesului de cracare catalitica*, Editura MatrixRom, Bucuresti, 2013 (**Carte**) Editura MatrixRom, Bucuresti	8/1=	8	
			Pătrăscioiu, C. - *Tehnici numerice de optimizare*, Matrix Rom, 2005. Anca Șipoș, Gheorghe Dan Pasat, Vasile Mircea Cristea, Elena Mudura, Arpad Lucaci-Imre, Dorina Brătfălean; *Modelarea, simularea si conducerea avansată a bioproceselor fermentative*; Editura Universităţii “Lucian Blaga” din Sibiu; Vol. II, ISBN 978-973-739-949-6; 2010. (**Carte**) Editura Universităţii “Lucian Blaga” din Sibiu	8/1=	8	
			Total partial		42	

			Marinoiu, V., Strătulă, C., Petcu, A., **Pătrăşcioiu, Cr.**, Marinescu, C., Metode numerice aplicate în ingineria chimică, Bucureşti, Editura Tehnică, 1986. Paraschiv N., **Popescu M.**, Sisteme distribuite de supervizare și control, Editura Universității Petrol-Gaze din Ploiești, 2014. (**Carte**) http://editura.upg-ploiesti.ro/index.php?productID=171	8/5=	1.6	
			Marinoiu, V., Strătulă, C., Petcu, A., **Pătrăşcioiu, Cr.**, Marinescu, C., Metode numerice aplicate în ingineria chimică, Bucureşti, Editura Tehnică, 1986. Paraschiv N., *Achizitia si prelucrarea datelor*, Editura Universitatii Petrol-Gaze din Ploiesti, 2013 (**Carte**) Editura Universitatii Petrol-Gaze din Ploiesti	8/5=	1.6	
			Marinoiu, V., Strătulă, C., Petcu, A., **Pătrăşcioiu, Cr.**, Marinescu, C., Metode numerice aplicate în ingineria chimică, Bucureşti, Editura Tehnică, 1986. Bohiltea I., Cursaru D., *Elemente de modelare si optimizare a proceselor chimice*, Editura MatrixRom, Bucuresti, 2009. (**Carte**) Editura MatrixRom, Bucuresti	8/5=	1.6	
			Marinoiu, V., Strătulă, C., Petcu, A., **Pătrăşcioiu, Cr.**, Marinescu, C., Metode numerice aplicate în ingineria chimică, Bucureşti, Editura Tehnică, 1986. Luminita Mara, Stefan-Ovidiu Dima, Andrei Sarbu, Liliana Sarbu, Rodica Zavoianu, Dragos Taloi, Fanica Bacalum, *Obtaining of Clinoptilolitic Extrudates for Environmental Applications, II. Statistical analysis of plasticizer and shear stress effects*, REV. CHIM. (Bucharest) ♦ 62♦ No. 11 ♦ 2011. (**ISI**) http://www.revistadechimie.ro/pdf/MARA%20L.pdf%2010%2011.pdf	8/5=	1.6	
			Popa C., **Patrascioiu C**., *New Approach in Modelling, Simulation and Hierarchical Control of the Fluid Catalytic Cracking Process. I – Process modelling*, Revista de Chimie, 61, Nr.4, 2010, ISSN 0034-7752, p 419-426. Popa C., *The New Approach in Modelling, Simulation and Hierarchical Control of the Fluid Catalytic Cracking Process. II – Hierarchical control*, Revista de Chimie, 64, Nr.10, 2013, p 1166-1171. (**ISI**) http://www.revistadechimie.ro/pdf/POPA%20CRISTINA.pdf%2010%2013.pdf	8/2=	4	
			Popa C., **Patrascioiu C**., *New Approach in Modelling, Simulation and Hierarchical Control of the Fluid Catalytic Cracking Process. I – Process modelling*, Revista de Chimie, 61, Nr.4, 2010, ISSN 0034-7752, p 419-426. Popa C., *Neural Network Model Predictive Control System for Fluid Catalytic Cracking Unit*, REV. CHIM. (Bucharest) ♦ 64 ♦ No. 12 ♦ 2013 (**ISI**) http://www.revistadechimie.ro/pdf/POPA%20C.pdf%2012%2013.pdf	8/2=	4	
			Total partial		14.4	

			Popa C., **Patrascioiu C.**, *New Approach in Modelling, Simulation and Hierarchical Control of the Fluid Catalytic Cracking Process. I – Process modelling*, Revista de Chimie, 61, Nr.4, 2010, ISSN 0034-7752, p 419-426. Popa C., Cangea O., Bucur C., *Comparison Between Fuzzy Logic Control and PID Control for the Catalytic Cracking Process*, SGEM2014 Conference Proceedings, 2014, Book 1, Vol. 1, p 679-686. (**ISI**) https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=S1yCl4pyd8jNjEtqbUq&page=1&doc=1	8/2=	4	
			Popa C., **Patrascioiu C.**, *New Approach in Modelling, Simulation and Hierarchical Control of the Fluid Catalytic Cracking Process. I – Process modelling*, Revista de Chimie, 61, Nr.4, 2010, ISSN 0034-7752, p 419-426. Cangea, O., Bucur, G., Popescu, C., Moise, A.G., Vlas, D., *Simulation of High Quality Fish Oil Production Monitoring and Control. Winterization Process*, Revista de Chimie (Bucureşti), 67, Nr. 5, p. 943-947, 2016. (**ISI**) http://www.revistadechimie.ro/pdf/CANGEA%20O%205%2016.pdf	8/2=	4	4
			Popa C., **Patrascioiu C.**, *New Approach in Modelling, Simulation and Hierarchical Control of the Fluid Catalytic Cracking Process. I – Process modelling*, Revista de Chimie, 61, Nr.4, 2010, ISSN 0034-7752, p 419-426. Popa C., *Application of Plantwide Control Strategy to the Catalytic Cracking Process*, Procedia Engineering, Vol. 69, 2014, p 1469-1474. (**ISI**) http://www.sciencedirect.com/science/article/pii/S1877705814003890	8/2=	4	
			Popa C., **Patrascioiu C.**, *New Approach in Modelling, Simulation and Hierarchical Control of the Fluid Catalytic Cracking Process. I – Process modelling*, Revista de Chimie, 61, Nr.4, 2010, ISSN 0034-7752, p 419-426. Cristina Popa, *Reglarea ierarhica a procesului de cracare catalitica*, Editura MatrixRom, Bucuresti, 2013. (**Carte**) Editura MatrixRom, Bucuresti	8/2=	4	
			Popa C., **Patrascioiu C.**, *New Approach in Modelling, Simulation and Hierarchical Control of the Fluid Catalytic Cracking Process. I – Process modelling*, Revista de Chimie, 61, Nr.4, 2010, ISSN 0034-7752, p 419-426. Popa C., Paraschiv N., *Robustness Improvement in Operating the Reactor – Regenerator Group for the Catalytic Cracking Unit Using Advanced Automation*, Revista de Chimie, 66, Nr.5, 2015, ISSN 0034-7752, p 746-749. http://www.revistadechimie.ro/pdf/POPA%20CRISTINA.pdf%205%2015.pdf	8/2=	4	4
			Total partial		20	8

			Doicin B., Popescu M., **Patrascioiu C**., *PID Controller Optimal Tuning*, Proc. of 8th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), Ploiesti, ROMANIA, JUN 30-JUL 02, 2016. Wojciech Kreft, *Modelling of a batch-fired straw boiler for control of the combustion chamber temperature*, *Methods and Models in Automation and Robotics (MMAR) 2017 22nd International Conference on*, pp. 494-497, 2017. http://ieeexplore.ieee.org/document/7861175/citations?tabFilter=papers	8/3=	2.6	2.6
			Doicin B., Popescu M., **Patrascioiu C**., *PID Controller Optimal Tuning*, Proc. of 8th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), Ploiesti, ROMANIA, JUN 30-JUL 02, 2016. Muhammad Hafiz Allias, Zuraida Muhammad, Zakiah Mohd Yusoff, Mohd Hezri Fazalul Rahiman, "Implementation of first order model reference adaptive control (MRAC) on regulating temperature of essential oil extraction process", *System Engineering and Technology (ICSET) 2017 7th IEEE International Conference on*, pp. 48-53, 2017, ISSN 2470-640X. http://ieeexplore.ieee.org/document/7861175/citations?tabFilter=papers	8/3=	2.6	2.6
			Doicin B., Popescu M., **Patrascioiu C**., *PID Controller Optimal Tuning*, Proc. of 8th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), Ploiesti, ROMANIA, JUN 30-JUL 02, 2016. D. Mercy, S. M. Girirajkumar, *An algorithmic approach based PSO-PID tuning of a real time conical tank process used in waste water treatment*, Conference: 2017 International Conference on Computing Methodologies and Communication (ICCMC), DOI: 10.1109/ICCMC.2017.8282590 https://www.researchgate.net/publication/323063453_An_algorithmic_approach_based_PSO-PID_tuning_of_a_real_time_conical_tank_process_used_in_waste_water_treatment	8/3=	2.6	2.6
			Doicin B., Popescu M**., Patrascioiu C**., *PID Controller Optimal Tuning*, Proc. of 8th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), Ploiesti, ROMANIA, JUN 30-JUL 02, 2016. Yanjun Cheng, *Future Development*, In book: Conveyor Belt Furnace Thermal Processing, DOI: 10.1007/978-3-319-69730-7_21, January 2018. https://www.researchgate.net/publication/321108029_Future_Development	8/3=	2.6	2.6
					10.4	10.4

			Doicin B., Popescu M**., Patrascioiu C**., *PID Controller Optimal Tuning*, Proc. of 8th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), Ploiesti, ROMANIA, JUN 30-JUL 02, 2016. Zainul Abidin, M. Aziz Muslim, Muhammad Muqorrobin, Warsito Warsito, Water bath sonicator integrated with PID-based temperature controller for flavonoid extraction, Apr 2020 · TELKOMNIKA (Telecommunication Computing Electronics and Control) DOI: 10.12928/telkomnika.v18i2.14830 https://www.researchgate.net/publication/340357707_Water_bath_sonicator_integrated_with_PID-based_temperature_controller_for_flavonoid_extraction/references	8/3=	2.6	2.6
			Popa C., **Patrascioiu C**., *Increase the catalytic cracking process efficiency by implementation an optimal control structure. Case study*, 21st European Symposium on Computer Aided Process Engineering, 2011, pp. 477-481, in Computer-Aided Chemical Engineering, vol 29, Elsevier, 2011. Popa C., *The New Approach in Modelling, Simulation and Hierarchical Control of the Fluid Catalytic Cracking Process. II – Hierarchical control*, Revista de Chimie, 64, Nr.10, 2013, p 1166-1171. (**ISI**) http://www.revistadechimie.ro/pdf/POPA%20CRISTINA.pdf%2010%2013.pdf	8/2=	4	
			Popescu M., **Pătrăşcioiu C.**, Mihalache S., Băieşu, A.S. – *New Control Strategies for Quality of the Separated Products of a Butylene-Butane Distillation Column*, Revista de Chimie (Bucureşti), 64, Nr. 8, p. 886-893, 2013 Pană I., Lambrescu, I. – Models of the Equipment of Drilling and Extraction Used in the Teaching Activity, Applied Mechanics and Materials, 657, p. 1073-1077, 2014. http://www.scientific.net/AMM.657.1073 https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=CitingArticles&qid=17&SID=S1yCl4pyd8jNjEtqbUq&page=1&doc=1	8/4=	2	
			Paraschiv N., Popescu M., **Pătrăşcioiu C.** – *Advanced real time control of an industrial mass transfer process, Proceedings of 6th International Conference on Computational Heat and Mass Transfer*, Guangzhou, China, 2009, p. 602-607. Rădulescu G. – *Reglarea evoluată a procesului de distilare atmosferică*, Editura Universitatii Petrol-Gaze din Ploiesti, 2015 (**Carte**) http://editura.upg-ploiesti.ro/index.php?productID=172	8/3=	2.6	2.6
			Total partial		11.2	5.2

			Paraschiv N., Popescu M., **Pătrăşcioiu C.** – *Advanced real time control of an industrial mass transfer process, Proceedings of 6th International Conference on Computational Heat and Mass Transfer*, Guangzhou, China, 2009, p. 602-607. Alina Simona Baiesu, *Controlling a Complex Propylen-Propane Distillation Column using a Robust Method Siutable for Simple Processes*, REV. CHIM. (Bucharest) ♦ 64♦ No. 4 ♦ 2013 (**ISI**) http://www.revistadechimie.ro/pdf/BAIESU.pdf%204%2013.pdf	8/3=	2.6	
			Popescu M., **Pătrăşcioiu C.**, Mihalache, S., Băieşu A.S. – *New Control Strategies for Quality of the Separated Products of a Butylene-Butane Distillation Column*, Revista de Chimie (Bucureşti), 64, Nr. 8, p. 886-893, 2013. Rădulescu G. – *Reglarea evoluată a procesului de distilare atmosferică*, Editura Universitatii Petrol-Gaze din Ploiesti, 2015. (**Carte**) http://editura.upg-ploiesti.ro/index.php?productID=172	8/4=	2	2
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			Marinoiu V., Paraschiv N., **Pătrăşcioiu C.**, Cirtoaje V. *Advanced Control for Oil Plant - A Case Study*, European Symposium on Computer Aided Process Engineering-6, 26-29 May, Rhodes, Grece, In Suplement to Computers & Chemical Engineering, Part B, Pergamon,1996, p. S1125-S1129. Raimondi A., Favela A., Garza L.E., Vargas A., Morales-Menendez R., *Design of an Adaptive Predictive Control Strategy for a MIMO Process*, IFAC Proceedings Volumes, Vol. 46, Nr. 2, 2013, p 851-856. (**ISI**) http://www.sciencedirect.com/science/article/pii/S1474667016302142	8/4=	2	
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			Marinoiu V., Paraschiv N., **Pătrăşcioiu C.**, Cirtoaje V. *Advanced Control for Oil Plant - A Case Study*, European Symposium on Computer Aided Process Engineering-6, 26-29 May, Rhodes, Grece, In Suplement to Computers & Chemical Engineering, Part B, Pergamon,1996, p. S1125-S1129. Haitham M.S. Lababidia, Samir Kotobb, Bader Yousufc, *Refinery advanced process control planning system*, Computers & Chemical Engineering, Volume 26, Issue 9, 15 September 2002, Pages 1303–1319 (**ISI**) http://scholar.google.ro/scholar?hl=ro&lr=&cites=16948905574486295923&um=1&ie=UTF-8&sa=X&ei=LWwzUYzpDozJsgab8oHYAw&ved=0CC0QzgIwADjKAg#	8/4=	2	
			Total partial		8	2

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			Total partial		14.6	14.6

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			Total partial		14.6	14.6

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			Patrascioiu C, Radulescu S., *Modeling and Simulation of the Double Tube Heat Exchangers. Case Studies*, 10th WSEAS International Conference on Heat Transfer, Thermal Engineering And Environment (HTE '12), Istanbul, Turcia, ISSN 2227-4596, ISBN 978-1-61804-114-2, 2012, pp. 35-41. Laskowski R., *The black box model of a double tube counter flow heat exchanger*, Heat and Mass Transfer, Vol. 51, Nr. 8, p 1111-1119, 2015. (**ISI**) http://link.springer.com/article/10.1007/s00231-014-1482-2#Bib1	8/2=	4	4
			Patrascioiu C, Radulescu S., *Modeling and Simulation of the Double Tube Heat Exchangers. Case Studies*, 10th WSEAS International Conference on Heat Transfer, Thermal Engineering And Environment (HTE '12), Istanbul, Turcia, ISSN 2227-4596, ISBN 978-1-61804-114-2, 2012, pp. 35-41. Laskowski, R., Tomczak, P., Jaworski, M., *The application of entropy generation minimization for optimizing the geometry of a double-tube heat exchanger*, Chłodnictwo: organ Naczelnej Organizacji Technicznej, Vol. R. 50, nr 10-11, p 6-11, 2015. (**ISI**) https://www.infona.pl/resource/bwmeta1.element.baztech-945db39c-cdee-44f7-831d-6851ecf56ead/tab/summary	8/2=	4	4
			Patrascioiu C, Radulescu S., *Modeling and Simulation of the Double Tube Heat Exchangers. Case Studies*, 10th WSEAS International Conference on Heat Transfer, Thermal Engineering And Environment (HTE '12), Istanbul, Turcia, ISSN 2227-4596, ISBN 978-1-61804-114-2, 2012, pp. 35-41. S.M. Shahril, G.A. Quadir, N.A.M. Amin, Irfan Anjum Badruddin, *Thermo hydraulic performance analysis of a shell-and-double concentric tube heat exchanger using CFD*, International Journal of Heat and Mass Transfer, Volume 105, February 2017, Pages 781–798. (ISI) http://www.sciencedirect.com/science/article/pii/S0017931016305610	8/2=	4	4
			Total partial		16	16

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			Patrascioiu C, Radulescu S., *Modeling and Simulation of the Double Tube Heat Exchangers. Case Studies*, 10th WSEAS International Conference on Heat Transfer, Thermal Engineering And Environment (HTE '12), Istanbul, Turcia, ISSN 2227-4596, ISBN 978-1-61804-114-2, 2012, pp. 35-41. Abdalla Gomaa, M.A. Halim, Ashraf Mimi Elsaid, *Experimental and numerical investigations of a triple concentric-tube heat exchanger*, Applied Thermal Engineering Volume 99, 25 April 2016, Pages 1303–1315. http://www.sciencedirect.com/science/article/pii/S1359431115014349	8/2=	4	4
			Total partial		16	16

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			Patrascioiu C, Radulescu S., *Modeling and Simulation of the Double Tube Heat Exchangers. Case Studies*, 10th WSEAS International Conference on Heat Transfer, Thermal Engineering And Environment (HTE '12), Istanbul, Turcia, ISSN 2227-4596, ISBN 978-1-61804-114-2, 2012, pp. 35-41. Mukesh Kumar PERIYASAMY CHOKKEYEE, Hariprasath VISVANATHAN, *ANALYSIS ON THERMAL AND FLOW BEHAVIOROF TRIPLE CONCENTRIC TUBE HEAT EXCHANGER HANDLING MWCNT-WATER NANOFLUIDS*, Thermal Science 2020 Volume 24, Issue 1 Part B, Pages: 487-494 https://doi.org/10.2298/TSCI190413396P	8/2=	4	4
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			Patrascioiu C., *The Simulation of the Heat Transfer trough a Shell-and-Tube Bundle Heat Exchanger*, Petroleum – Gas University of Ploiesti Bulletin, Technical Series, Vol LXII, No. 3A, Ploiesti, 2010, ISSN 1224-8495, pp. 39-46. Laskowski R., *Relations for steam power plant condenser performance in off-design conditions in the function of inlet parameters and those relevant in reference conditions*, Applied Thermal Engineering, Vol. 103, 2016, p 528-536. (**ISI**) http://www.sciencedirect.com/science/article/pii/S1359431116306159	8/1=	8	8
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			Popa C., Paraschiv N., **Patrascioiu C**., *Modeling, Simulation and Hierarchical Control of the Fluid Cataliting Cracking*, Procedings of the 17th International Conference on Control Systems and Computer Science, ISSN 2066-4451, Editura Politehnica Press, Bucuresti, 2009, p. 547-552. Cristina Popa, *Reglarea ierarhica a procesului de cracare catalitica*, Editura MatrixRom, Bucuresti, 2013. (**Carte**) Editura MatrixRom, Bucuresti	8/3=	2.6	
			Marinoiu V., Dumitrascu L., Minoiu St., Macri I., Popa C., Marinoiu C., **Pătrăşcioiu C.** - *Programare - Indrumar de laborator*, Institutul de Petrol si Gaze, Ploiesti, 1987. Cristina Popa, *Notiuni fundamentale de programare – Aplicatii in ingineria chimica*, Editura Universitatii Petrol – Gaze din Ploiesti, ISBN 978-973-719-515-9, Ploiesti, 2013. (**Carte**) Editura Universitatii Petrol – Gaze din Ploiesti	8/7=	1.1	
			Pătrăşcioiu C. – *Metode numerice aplicate in ingineria chimica – Aplicatii in PASCAL*, Editura MatrixRom, Bucuresti, 2004. Cristina Popa, *Notiuni fundamentale de programare – Aplicatii in ingineria chimica*, Editura Universitatii Petrol – Gaze din Ploiesti, ISBN 978-973-719-515-9, Ploiesti, 2013. (**Carte**) Editura Universitatii Petrol – Gaze din Ploiesti	8/1=	8	
			Total partial		23.5	

			Cristian Pătrăşcioiu, Bogdan Doicin, *Property estimation of commercial ecological gasoline*, January 2015, DOI 10.3303/CET1543042 Ali Daryabeigi Zand, Hassan Hoveidi, *Evaluation of the Potential of Burningbush (Kochia scoparia (L.) Schard) and Maize (Zea mays L.) and the Role of Soil Organic Amendment in Phytoremediation of Gasoline-Contaminated Soils*, International Journal of Environmental Research, March 2018, DOI 10.1007/s41742-018-0083-1 (**ISI**) https://www.researchgate.net/publication/323941845_Evaluation_of_the_Potential_of_Burningbush_Kochia_scoparia_L_Schard_and_Maize_Zea_mays_L_and_the_Role_of_Soil_Organic_Amendment_in_Phytoremediation_of_Gasoline-Contaminated_Soils/references	8/2=	4	4
			Pătrăşcioiu C., Rădulescu S., *Prediction of the outlet temperatures in triple concentric—tube heat exchangers in laminar flow regime: case study*, Heat and Mass Transfer, ISSN: 0947-7411, Volume 51, Issue 1, January 2015, pp. 59-66 Taraprasad Mohapatra, Biranchi Padhi, Sudhansu S. Sahoo, *Analytical investigation and performance optimization of a three fluid heat exchanger with helical coil insertion for simultaneous space heating and water heating*, Heat and Mass Transfer, January 2019 (**ISI**) https://www.researchgate.net/publication/330132092_Analytical_investigation_and_performance_optimization_of_a_three_fluid_heat_exchanger_with_helical_coil_insertion_for_simultaneous_space_heating_and_water_heating/references	8/2=	4	4
			Pătrăşcioiu C., Rădulescu S., *Prediction of the outlet temperatures in triple concentric—tube heat exchangers in laminar flow regime: case study*, Heat and Mass Transfer, ISSN: 0947-7411, Volume 51, Issue 1, January 2015, pp. 59-66 Mukesh Kumar PERIYASAMY CHOKKEYEE, Hariprasath VISVANATHAN, *ANALYSIS ON THERMAL AND FLOW BEHAVIOROF TRIPLE CONCENTRIC TUBE HEAT EXCHANGER HANDLING MWCNT-WATER NANOFLUIDS*, Thermal Science 2020 Volume 24, Issue 1 Part B, Pages: 487-494 https://doi.org/10.2298/TSCI190413396P	8/2=	4	4
			Pătrăşcioiu C., Rădulescu S., *Prediction of the outlet temperatures in triple concentric—tube heat exchangers in laminar flow regime: case study*, Heat and Mass Transfer, ISSN: 0947-7411, Volume 51, Issue 1, January 2015, pp. 59-66 Devendra Yadav, Zenis Upadhyay, Akhilesh Kushwaha, Anuj mishra, Recent Trends in Mechanical Engineering - Analysis Over Trio-Tube with Dual Thermal Communication Surface Heat Exchanger [T.T.H.Xr.], January 2020, DOI: 10.1007/978-981-15-1124-0_1 https://www.researchgate.net/publication/338538757_Analysis_Over_Trio-Tube_with_Dual_Thermal_Communication_Surface_Heat_Exchanger_TTHXr/references	8/2=	4	4
			Total partial		16	16
			TOTAL A3.1.1 **Total 5 ani**		**285.8**	**131.4**

		A3.1.2.	BDI	4 / nr. aut. articol citat		
			Pătrăscioiu , C . , Marinoiu , C . - *Solutii numerice pentru modelarea statistică a procesului de cracare catalitică*, Revista de Informatică Economică, vol. 3, nr. 10, Bucuresti, 1999. Cristian Marinoiu, *A Ridge Regression Model of the Cracking Process*, BULETINUL Universităţii Petrol – Gaze din Ploiesti, Vol. LXI, No. 1/2009, Seria Matematică - Informatică - Fizică, pag 65 – 70 (**BDI**) http://bmif.unde.ro/docs/20091/8MARINOIU_CRISTIAN.pdf	4/2=	2	
			Pătrăscioiu , C . , Marinoiu , C . - *Solutii numerice pentru modelarea statistică a procesului de cracare catalitică*, Revista de Informatică Economică, vol. 3, nr. 10, Bucuresti, 1999. Cristian Marinoiu, USING DATA MINING TECHNIQUES IN CATALYTIC CRACKING PROCESS MODELING – A COMPARATIVE STUDY, Annals of the „Constantin Brâncuşi" University of Târgu Jiu, Economy Series, Issue 4/2017	4/2=	2	2
			Pătrăşcioiu C., Rădulescu S., *Prediction of the outlet temperatures in triple concentric—tube heat exchangers in laminar flow regime: case study*, Heat and Mass Transfer, ISSN: 0947-7411, Volume 51, Issue 1, January 2015, pp. 59-66 Devendra Yadav, Zenis Upadhyay, Akhilesh Kushwaha, Anuj mishra, ANALYSIS OVER TRIO TUBE WITH DUAL THERMAL COMMUNICATION SURFACE HEAT EXCHANGER, 2 nd International Conference on Innovation in Mechanical Engineering (ICIME-2019), January 2019 https://www.researchgate.net/publication/338421684_ANALYSIS_OVER_TRIO_TUBE_WITH_DUAL_THERMAL_COMMUNICATION_SURFACE_HEAT_EXCHANGER/references	4/2=	2	2
			Patrascioiu C., Panaitescu C., Paraschiv N., *Control valves – Modeling and Simulation*, Procedings of the 5th WSEAS International Conference on Dynamical Systems and Control (CONTROL 09), ISBN 978-960-474-094-9, ISSN 1790-2769, LaLaguna, Spain, 2009, pp. 63-68. Bucuroiu, R., Petrache, M., Vlasceanu, V., Petrescu, M.G., *Study on oil wastewater treatment with polymeric reagents*, Scientific Study and Research: Chemistry and Chemical Engineering, Vol. 17, Nr. 1, 2016, p 55-62. (**BDI**) https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=CitingArticles&qid=20&SID=S1yCl4pyd8jNjEtqbUq&page=1&doc=1	4/3=	1.3	1.3
			Patrascioiu C., Panaitescu C., Paraschiv N., *Control valves – Modeling and Simulation*, Procedings of the 5th WSEAS International Conference on Dynamical Systems and Control (CONTROL 09), ISBN 978-960-474-094-9, ISSN 1790-2769, LaLaguna, Spain, 2009, pp. 63-68. Ahmed Abed , Dynamic Model of Pressure Regulating Valve, INTERNATIONAL JOURNAL OF ENGINEERING SCIENCES & RESEARCH TECHNOLOGY, 3 (7): June, 2014, p. 214-220. (**BDI**) http://www.ijesrt.com/issues%20pdf%20file/Archives-2014/July-2014/32.pdf	4/3=	1.3	
			Total partial		8.6	5.3

			Patrascioiu C, Radulescu S., *Modeling and Simulation of the Double Tube Heat Exchangers. Case Studies*, 10th WSEAS International Conference on Heat Transfer, Thermal Engineering And Environment (HTE '12), Istanbul, Turcia, ISSN 2227-4596, ISBN 978-1-61804-114-2, 2012, pp. 35-41. Rădulescu S., Negoiţă L.I., Onuţu I., *Advantages and Disadvantages Concerning the Heat Transfer in Tube in Tube Heat Exchangers versus Shell and Tube Heat Exchangers*, Buletinul Universităţii Petrol – Gaze din Ploieşti, Seria Tehnica, Vol. LXVII, No. 1/2015, p 70-78. (**BDI**) http://www.bulletin.upg-ploiesti.ro/content.jsp?page=2248&language=2&pageType=T	4/2=	2	2
			Pătrăscioiu , C . , Marinoiu , C . - *Optimal Control System of FCC Plant*, Buletinul Universităţii Petrol-Gaze din Ploiesti, vol. LII, nr. 1, 2000 Cristian Marinoiu, A Ridge Regression Model of the Cracking Process, BULETINUL Universităţii Petrol – Gaze din Ploiesti, Vol. LXI, No. 1/2009, Seria Matematică - Informatică - Fizică, pag 65 – 70 (**BDI**) http://bmif.unde.ro/docs/20091/8MARINOIU_CRISTIAN.pdf	4/2=	2	
			Marinoiu, V., Stratula, C., Petcu, A., **Patrascioiu, C**., Marinescu, C., *Metode numerice aplicate in ingineria chimica*, Editura Tehnica, Bucuresti, 1986. Adina Magdalena Musuc , Domnina Razus and D. Oancea, A DSC STUDY OF THE THERMAL DECOMPOSITION OF 2–METHOXYAMINO–3, 5–DINITRO–PYRIDINE, Analele UniversităŃii din Bucuresti – Chimie, Anul XVI (serie nouă), vol. I, pag. 25 – 30 (**BDI**) http://gw-chimie.math.unibuc.ro/anunivch/2007-1/AUBCh2007XVI12530.pdf	4/5=	0.8	
			Paraschiv N., Popescu M., **Pătrăşcioiu C.** – *Advanced real time control of an industrial mass transfer process, Proceedings of 6th International Conference on Computational Heat and Mass Transfer*, Guangzhou, China, 2009, p. 602-607. Popescu, M., *Distillation Column Hierarchical Control Using DeltaV Distributed Control System*, Buletinul Universităţii Petrol-Gaze din Ploiesti, Seria Tehnica, Vol. LXVIII, Nr. 1/2016, pp 77-86. (**BDI**) http://www.bulletin.upg-ploiesti.ro/content.jsp?page=2408&language=2&pageType=T	4/3=	1.3	
			Pătrăşcioiu C., Precup I., Eftimie G., Badea O., *Modelarea si simularea procesului de extractie in contracurent a aromatelor din amestecurile complexe*, Revista de Chimie, Nr. 3-4, 1992, pp. 141-146. T.-M. Sturzu , and I.-C. Marcu, THE SIMULATION OF MULTIPLE EXTRACTION IN COUNTER CURRENT, Analele UniversităŃii din Bucuresti – Chimie, Anul XIII (serie nouă), vol. I-II, pag. 303-308,Copyright © 2004 Analele UniversităŃii din Bucuresti (**BDI**) http://gw-chimie.math.unibuc.ro/anunivch/2004/AUBCh2004XIII12303308.pdf	4/4=	1	
			Total partial		7.1	2

			Pătrăşcioiu C., Rădulescu S., *Prediction of the outlet temperatures in triple concentric—tube heat exchangers in laminar flow regime: case study*, Heat and Mass Transfer, ISSN: 0947-7411, Volume 51, Issue 1, January 2015, pp. 59-66. Rădulescu S., *Heat Transfer Analysis on Changing the Flow Arrangement in a Triple Tube Heat Exchanger*, Buletinul Universităţii Petrol – Gaze din Ploieşti, Seria Tehnica, Vol. LXVIII, No. 2/2016, p 80-88. (**BDI**) http://www.bulletin.upg-ploiesti.ro/content.jsp?page=2421&language=2&pageType=T	4/2=	2	2
			Pătrăşcioiu C., Rădulescu S., *Prediction of the outlet temperatures in triple concentric—tube heat exchangers in laminar flow regime: case study*, Heat and Mass Transfer, ISSN: 0947-7411, Volume 51, Issue 1, January 2015, pp. 59-66. Achour Touatit, Cherif Bougriou, Optimal diameters of triple concentric-tube heat exchangers, International Journal of Heat and Technology 36(1):367-375 March 2018, DOI 10.18280/ijht.360149 https://www.researchgate.net/publication/324160127_Optimal_diameters_of_triple_concentric-tube_heat_exchangers/references	4/2=	2	2
			Pătrăşcioiu C., Rădulescu S., *Prediction of the outlet temperatures in triple concentric—tube heat exchangers in laminar flow regime: case study*, Heat and Mass Transfer, ISSN: 0947-7411, Volume 51, Issue 1, January 2015, pp. 59-66. Devendra Yadav, Zenis Upadhyay, Akhilesh Kushwaha, Anuj mishra, ANALYSIS OVER TRIO TUBE WITH DUAL THERMAL COMMUNICATION SURFACE HEAT EXCHANGER, 2 nd International Conference on Innovation in Mechanical Engineering (ICIME-2019), India (**BDI**) https://www.researchgate.net/publication/338421684_ANALYSIS_OVER_TRIO_TUBE_WITH_DUAL_THERMAL_COMMUNICATION_SURFACE_HEAT_EXCHANGER	4/2=	2	2
			PATRASCIOIU C., PASCU C., *Numerical Modeling of Vapor-Liquid Equilibrium by Using the Edmister -Okamoto Model*, REV. CHIM. (Bucuresti) ♦ 60♦ Nr. 7 ♦ 2009. Imad E. A. Mahajoub a, Gurashi A. Gasmelseedb, M. O. Babkera and Abdelbagi O. Elsiddiga, *Mathematical Model for the Equilibrium Flash Vaporization of the Nile Blend Crude Oil*, Gezira j. of Eng. & applied. Sci. 10- (1):47-62 (2015) (**BDI**) http://www.revistadechimie.ro/pdf/PATRASCIOIU%20C%207.pdf	4/2=	2	2
			Total partial		8	8

			Patrascioiu C., Marinoiu C., *The applications of the non-linear equations systems algorithms for the heat transfer processes*, Proceedings of 12th WSEAS International Conference on Mathematical Methods, Computational Techniques And Intelligent Systems (MAMECTIS '10), ISSN 1790-2769, ISBN 978-960-474-188-5, Kantaoui - Sousse, Tunisia, 2010, pp. 30-35. AEA KELLER, l*p-Norm Minimization Method for Solving Nonlinear Systems of Equations*, WSEAS TRANSACTIONS on MATHEMATICS, Volume 13, 2014, E-ISSN: 2224-2880, p. 654-6655. (BDI) https://pdfs.semanticscholar.org/a471/3c245548d1afeef1826640787396916d4447.pdf	4/2=	2	
			Cristian Pătrăşcioiu, Marian Popescu, Cristian Dumitrescu, *Algorithms and programs for the flowrate calculus and orifice plates sizing. A case study*, Advances in Automatic Control, Modelling & Simulation, 2013, ISBN: 978-1-61804-189-0, p. 151-156 E. M. Adigio, Y. Yeitaribo, *MATHEMATICAL MODELING OF FLUID FLOW THROUGH MULTIPLE ORIFICE AND ITS USE FOR FLUID FLOW EASUREMENT*, REJEST Vol. 14. No. 1. June 2017, ISSN: 1597-5258, DOI: 10.13140/RG.2.2.17337.52323 https://www.researchgate.net/publication/340000358_MATHEMATICAL_MODELING_OF_FLUID_FLOW_THROUGH_MULTIPLE_ORIFICE_AND_ITS_USE_FOR_FLUID_FLOW_MEASUREMENT?channel=doi&linkId=5e720fa9299bf1571845e193&showFulltext=true	4/3=	1.3	1.3
			Cristian Patrascioiu, Grigore Stamatescu, *Monitoring pH with HART communication*, The 9th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications, 21-23 September, 2017, Bucharest, Romania Ayushi Singh, Abhishek Mishra, Mohammed Ahmed, *Analysis of Soil Nutrition Analysis with HART Protocol a Review*, June 2019, INTERNATIONAL JOURNAL OF COMPUTER SCIENCES AND ENGINEERING 7(6):1027-1031 https://www.researchgate.net/publication/335804157_Analysis_of_Soil_Nutrition_Analysis_with_HART_Protocol_a_Review/references	4/2=	2	2
			Cristian Pătrăşcioiu, Cao Minh Ahn, *Characterization and control of the distillation column with heat pump*, DOI: 10.1109/ECAI.2016.7861147, 8th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), 2016 Cao Minh Anh, Marius Olteanu, Nicolae Paraschiv, *Specific Problems of the Propylene-Propane Distillation Column Control with Heat Pump*, 10th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), 2018. (**BDI**) https://www.researchgate.net/publication/332584498_Specific_Problems_of_the_Propylene-Propane_Distillation_Column_Control_with_Heat_Pump	4/2=	2	2
			Total partial		7.3	5.3
			TOTAL A3.1.2 **Total 5 ani**		**31.0**	**20.6**
			TOTAL A3.1		**316.8**	**152.0**

	Membru în colectivele de redacție sau comitetele științifice ale revistelor indexate ISI, chair, co-chair sau membru în comitetele de organizare ale manifestărilor științifice internaționale indexate ISI	A3.2.		10 / fiecare revistă/manifestare	
	Membru în colectivele de redacție sau comitetele științifice ale revistelor indexate BDI, chair, co-chair sau membru în comitetele de organizare ale manifestărilor științifice indexate BDI	A3.3.		6 / fiecare revistă/manifestare	
			European Conference of MECHANICAL ENGINEERING (ECME '12) Paris, France December 2-4, 2012		6
			11th WSEAS International Conference on HEAT TRANSFER, THERMAL ENGINEERING and ENVIRONMENT (HTE '13) Vouliagmeni, Athens, Greece May 14-16, 2013		6
			11th WSEAS International Conference on FLUID MECHANICS & AERODYNAMICS (FMA '13) Vouliagmeni, Athens, Greece May 14-16, 2013		6
			4th International Conference on FLUID MECHANICS and HEAT & MASS TRANSFER (FLUIDSHEAT '13) Dubrovnik, Croatia June 25-27, 2013		6
			2th European Control Conference (ECC'11), Puerto de La Cruz, Tenerife, Spain, 2010		6
			10th WSEAS International Conference on HEAT TRANSFER, THERMAL ENGINEERING and ENVIRONMENT (HTE '12), Instanbul, Turcia,		6
			9th WSEAS International Conference on SIGNAL, SPEECH and IMAGE PROCESSING (SSIP'09), Budapest Tech, Hungary, September, 2009		6
			Total A3.3		**42**
	Premii în domeniu conferite de Academia Română, ASTR, AOSR sau premii internaționale de prestigiu	A3.4.		15/ premiu	
			Best paper for the 4TH WSEAS/IASME INTERNATIONAL CONFERENCE ON EDUCATIONAL TECHNOLOGIES (EDUTE'08) Training in Operating Plant with DCS in the Romanian's Refineries, 2008		15
			Best paper for the ICCCPDEA 2017 : 19th International Conference on Computational Chemistry, Process Design and Engineering Applications, *A Comparative Study of the Modeling and Quality Control of the Propylene-Propane Classical Distillation and Distillation Column with Heat Pump*, 2017		15
			TOTAL A3.4		**30**
TOTAL A3			**316.8+0+42+30** **5 ani**		**388.8** **152.0**

Formula de calcul a indicatorului de merit (A = A1+A2+A3) $A=\sum_i K_{1i}+\sum_i K_{2i}+\sum_i K_{3i}$, undek $_{pi}$– Indice specific tipului si categoriei de activitate

[1]Capitolul de carte editată trebuie să NU fie într-un volum de conferință (cu ISBN)și se punctează cu 1/4 din punctajul pentru cartea dincategoria respectivă

.[2]Dacă cartea respectivă se regăsește în cel puțin 50 de biblioteci din străinătate conform catalogului WorldCat.

[3]Se consideră factorul de impact ISI al revistei valabil în anul publicării sau la data depunerii dosarului. Pentru volumelemanifestărilor ISI se consideră factorul de impact echivalent 0.25. Pentru volumele conferințelor internaționale de top în domeniul de abilitare se considerăfactorul de impact echivalent 0.75 (lista acestora agreată și ținută la zi de comisia CNATDCU nr.15 fiind disponibilă la adresa www.cnatdcu-c15.org);

[4] Pentru domeniul Calculatoare, Tehnologia Informațieișsi Ingineria Sistemelor sunt recunoscute următoarele baze de date internaționale (BDI): ISI, Scopus, IEEE (Institute of Electrical and Electronics Engineers) Xplore, Science Direct, Elsevier, Springerlink, ACM (Association for Computing Machinery), DBLP, EURASIP, Wiley, Inspec

[5]Se dublează punctajul dacă rezultatul este înregistrat la WIPO, EPO, USPTO, JPO.

[6]Nu se consideră în această categorie proiecte/granturi care nu prezintă un caracter predominant de cercetare. Se consideră numai proiecte/granturi relevante pentru profilul postului scos la concurs / domeniul de abilitare. Candidatul va atașa documente care să demonstreze caracterul de cercetare al proiectului

[7] Se exclud autocitările (auto-citarea se referă la situația în care numele candidatului apare simultan atât printre numele autorilor referinței bibliografice în cauză cât și printre numele autorilor articolului care citează, conform WOS https://images.webofknowledge.com/WOKRS523R4/help/WOS/hs_crsearch_self_citations.html)

[8]Se dublează punctajul dacă citarea provine dintr-o revistă cotată ISI aflată printre primele 50% în cadrul subdomeniului (sau al unuia dintre subdomeniile) de acreditare ISI din punct de vedere al factorului de impact (zonele Q1-Q2 în notația ISI).

[9] Nu se considera calitatea de recenzor al unor articole individuale

Condiții minimale

Nr.crt.	Domeniul de activitate	Punctaj impus	Punctaj realizat	Criteriu îndeplinit (DA/NU)	Punctaj realizat 5 ani
A1	Activitate didactică / profesională (A1)	100	393.8	DA	78.2
A2	Activitatea de cercetare (A2)	600	1402.9	DA	390.1
A3	Recunoașterea impactului activității (A3)	150	388.8	DA	152.0
	TOTAL (A)	850	2185.5	DA	620.3

Condiții minimale obligatorii pe subcategorii

Criteriu / condiție pe subcategorii		Impus	Realizat	Punctaj realizat 5 ani	Îndeplinit
A1.1.1 – A1.1.2	Cărți de specialitate	1 carte	5	1	DA
A2.1	Articole în reviste cotate ISI și în volumele unor manifestări științifice indexate ISI proceedings	15 din care minim 3 în reviste cotate ISI Q1/ Q2	33 din care Q1=1	15	NU
A2.4.1.	Granturi / proiecte de cercetare câștigate prin competiție (Director / Responsabil partener)	2	12	0	DA
A3.1.1	Număr de citări în cărți, reviste cotate ISI și volume ale unor manifestări științifice ISI (WOS)	25	80	27	DA
	Factor de impact ISI cumulat pentru publicații	10	34.185	15.370	DA

Prof. univ. dr. ing. PĂTRĂȘCIOIU Cristian