

FIȘA 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.cnatdca-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 și obligatorii***

**pentru abilitare (respectiv pentru conferirea titlului didactic de profesor universitar),
afereente Domeniului *Calculatoare, tehnologia informației și 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	Categoriile și restricții		Subcategoriile		Indicatori (kpi)	Punctaj total	Punctaj 5 ani
1	2		3		4	5	6
20+20+40+40+40+40+130+40+40+130+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		

				Pătrășcioiu C. – Tehnici de optimizare – Aplicații numerice, Editura MatrixRom, București, 2008	40/1=	40	
				Pătrășcioiu C., Popescu M., Sisteme de conducere a proceselor chimice – Aplicații, Editura MatrixRom, București, 2013, Popescu C., Patrascioiu C.	40/2=	20	
				Patrascioiu C., Popescu C., <i>Calcul si metode numerice</i> , 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., <i>Estimation of the Kinetic Parameters of a Catalytic Cracking Model. Case Study</i> , 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 and UHT 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
		Pătrășcioiu 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

		<p>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</p>	(25+30*0.25)/2=	16.2
		<p>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</p>	(25+30*1.412)/2=	33.6
		<p>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</p>	(25+30*1.412)/2=	33.6
		<p>Patrascioiu C., Rabahi I., Mihaescu D., Optimal Control for the Jibissa Absorption Plant, Proceedings 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</p>	(25+30*0.25)/3=	10.8
		<p>Patrascioiu C., Panaitescu C., Paraschiv N., Control valves – Modeling and Simulation, Proceedings 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</p>	(25+30*0.25)/3=	10.8
		<p>Mihalache, S.F., Pătrășcioiu, 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</p>	(25+30*1.412)/3=	22.4
		Total partial		127.4

		<p>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</p>	(25+30*0.25)/6=	5.4
		<p>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</p>	(25+30*0.25)/3=	10.8
		<p>Patrascioiu C., Mihalache S., <i>Load Balancing Control System of a Furnace from Atmospheric Distillation Unit</i>, 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</p>	(25+30*0.25)/2=	16.2
		<p>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</p>	(25+30*1.412)/2=	33.6
		<p>Pătrășcioiu C., Marinoiu V. - Modelling and Optimal Control of an Industrial Furnace - DYCOPS-5, 5th IFAC Symposium on Dynamics and Control of Process Systems, Corfu, Greece, 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</p>	(25+30*0.25)/2=	16.2
		<p>Pătrășcioiu 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</p>	(25+30*1.412)/2=	33.6
		Total partial		115.8

		Marinoiu V., Paraschiv N., Pătrășcioiu 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	
		Pătrășcioiu 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., Pătrășcioiu 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
			<p>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=</p>	20/3=	6.6	6.6
			<p>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=</p>	20/2=	10	10
			<p>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=</p>	20/4=	5	5
			<p>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=</p>	20/2=	10	
			Total partial		31.6	21.6

		<p>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=</p>	20/2=	10	
		<p>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=</p>	20/2=	10	
		<p>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=</p>	20/2=	10	
		<p>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=</p>	20/2=	10	
		Total partial		40	

			<p>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.</p> <p>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=</p>	20/2=	10	
			<p>Total Scopus (31.6+40+10)</p> <p>Total 5 ani</p>		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 /responsa bil partener	A2.4.1.	1	internaționale	20 * ani desfășurare
			A2.4.1.	2.	naționale	10 * ani desfășurare
					Impactul masuratorilor eronate si a bucelor 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 fracționare C10 de la instalația de izomerizare a fracției 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 evaluate 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 evaluate 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
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		în echipă	1.			
			A2.4.2.	naționale		2 * ani desfășurare
			2.	Tehnologie, asistată de calculator, pentru obținerea unor uleiuri pentru prelucrarea metalelor, compatibile cu mediul, utilizate în industria constructoare de mașini, Proiect CEEX, 2006		2
				Contract internațional - Training, Operation and Maintenance Services (TOMS), Dung Quat Refinery, Vietnam, 2007		2
				Dezvoltare de structuri hardware și software privind nivelul de securitate în domeniul extractiei și prelucrării primare de titei și gaze, Proiect CEEX, Modul 1, MENER, 2006		2
				Sistem informatic destinat procesării în timp real a informațiilor furnizate de aparatura inteligentă de laborator, SNP Petrom sucursala Petrobrazi, 2005		2
				Algoritm practic pentru reglarea parametrilor sistemelor de conducere distribuită, SNP Petrom sucursala Petrobrazi, 2005		2
				Integrarea soluțiilor de dispecerizare a consumurilor de energie electrică, abur și de utilități, în vederea configurării funcțiilor dispeceratului energetic și de utilități al rafinării Petrobrazi, SNP Petrom sucursala Petrobrazi, 2004		2
				tudiu de soluție privind dispecerizarea producției, distribuției și consumului de utilități pe platforma Petrobrazi, SNP Petrom sucursala Petrobrazi, 2003		2
				Studiul influenței umidității gazelor naturale asupra corectitudinii măsurării cantităților acestora la stațiile de predare primare și a promovării și implementării metodelor de corecție, S.C. TRANSGAZ S.A., 2002		2
				Sistem de monitorizare informatizat 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. Ploiești și World Wide Web Site, CNCSIS, 2001		2
				Modernizarea programului de monitorizare pentru standul de probat armături, UZTEL S.A. Ploiești, 2001		2
				Sistem computerizat pentru monitorizarea și reglarea în timp real a proceselor dinamice – CNFIS, 2001		2
				Modernizarea structurilor și algoritmilor de conducere la instalațiile de pe platforma RC2 - SNP Sucursala Petrobrazi, 2001		2
				Program de prelucrare în timp real a datelor experimentale de la standul de probe de presiune, UZTEL S.A. Ploiești, 1999		2
				Sistem evoluat de conducere a transferului termic pentru trenul de schimbatoare de căldură de la instalația DAV, SNP Sucursala Petrobrazi, 1999		2
				Sistem de programe pentru conducerea automată evoluată a coloanelor 100C1, C2 și C3 din instalația DAV-3", S.C. RAFO S.A. Onesti, 1995-1996		2
				Total parțial		32

		A2.4.2. 2.		2 * ani desfășurare
			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 evolute 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 evolute 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

Recunoașterea 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. - <i>Tehnici numerice de optimizare</i> , Matrix Rom, 2005. Popescu M. - <i>Hierarchical Control System Design for a Propylene-Propane Separation Column</i> , Proceedings CSCS – 17, 17 th 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. - <i>Tehnici numerice de optimizare</i> , Matrix Rom, 2005. Băieșu A.C., Băieșu A.S., <i>Dynamic Investigation, Identification and Decoupling of a Multivariable 2X2 Temperature Process</i> , Buletinul Universității Petrol – Gaze din Ploiești, Seria Tehnica, Vol. LXVI, No. 2/2014, p. 91-99. (ISI) http://www.buletin.upg-ploiesti.ro/content.jsp?page=2203&language=2&pageType=T	8/1=	8	
			Pătrăscioiu, C. - <i>Tehnici numerice de optimizare</i> , Matrix Rom, 2005. Alina-Simona Băieșu, <i>Modeling a Nonlinear Binary Distillation Column</i> , 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. - <i>Tehnici numerice de optimizare</i> , Matrix Rom, 2005. Paraschiv N., <i>Achiziția și prelucrarea datelor</i> , Editura Universității Petrol-Gaze din Ploiești, 2013 (Carte) Editura Universității Petrol-Gaze din Ploiești	8/1=	8	
			Pătrăscioiu, C. - <i>Tehnici numerice de optimizare</i> , Matrix Rom, 2005. Bohiltea I., Cursaru D., <i>Elemente de modelare și optimizare a proceselor chimice</i> , Editura MatrixRom, București, 2009. (Carte) Editura MatrixRom, București.	8/1=	8	
			Pătrăscioiu, C. - <i>Tehnici numerice de optimizare</i> , Matrix Rom, 2005. Cristina Popa, <i>Reglarea ierarhică a procesului de cracare catalitică</i> , Editura MatrixRom, București, 2013 (Carte) Editura MatrixRom, București	8/1=	8	
			Pătrăscioiu, C. - <i>Tehnici numerice de optimizare</i> , Matrix Rom, 2005. Anca Șipoș, Gheorghe Dan Pasat, Vasile Mircea Cristea, Elena Mudura, Arpad Lucaci-Imre, Dorina Brătfălean; <i>Modelarea, simularea și conducerea avansată a bioprocесelor fermentative</i> ; Editura Universității “Lucian Blaga” din Sibiu; Vol. II, ISBN 978-973-739-949-6; 2010. (Carte) Editura Universității “Lucian Blaga” din Sibiu	8/1=	8	
			Total partial		42	

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

		<p>Popa C., Patrascioiu C., <i>New Approach in Modelling, Simulation and Hierarchical Control of the Fluid Catalytic Cracking Process. I – Process modelling</i>, Revista de Chimie, 61, Nr.4, 2010, ISSN 0034-7752, p 419-426.</p> <p>Popa C., Cangea O., Bucur C., <i>Comparison Between Fuzzy Logic Control and PID Control for the Catalytic Cracking Process</i>, SGEM2014 Conference Proceedings, 2014, Book 1, Vol. 1, p 679-686. (ISI)</p> <p>https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=S1yC14pyd8jNjEtqbUq&page=1&doc=1</p>	8/2=	4	
		<p>Popa C., Patrascioiu C., <i>New Approach in Modelling, Simulation and Hierarchical Control of the Fluid Catalytic Cracking Process. I – Process modelling</i>, Revista de Chimie, 61, Nr.4, 2010, ISSN 0034-7752, p 419-426.</p> <p>Cangea, O., Bucur, G., Popescu, C., Moise, A.G., Vlas, D., <i>Simulation of High Quality Fish Oil Production Monitoring and Control. Winterization Process</i>, Revista de Chimie (București), 67, Nr. 5, p. 943-947, 2016. (ISI)</p> <p>http://www.revistadechimie.ro/pdf/CANGEA%20O%205%2016.pdf</p>	8/2=	4	4
		<p>Popa C., Patrascioiu C., <i>New Approach in Modelling, Simulation and Hierarchical Control of the Fluid Catalytic Cracking Process. I – Process modelling</i>, Revista de Chimie, 61, Nr.4, 2010, ISSN 0034-7752, p 419-426.</p> <p>Popa C., <i>Application of Plantwide Control Strategy to the Catalytic Cracking Process</i>, Procedia Engineering, Vol. 69, 2014, p 1469-1474. (ISI)</p> <p>http://www.sciencedirect.com/science/article/pii/S1877705814003890</p>	8/2=	4	
		<p>Popa C., Patrascioiu C., <i>New Approach in Modelling, Simulation and Hierarchical Control of the Fluid Catalytic Cracking Process. I – Process modelling</i>, Revista de Chimie, 61, Nr.4, 2010, ISSN 0034-7752, p 419-426.</p> <p>Cristina Popa, <i>Reglarea ierarhica a procesului de cracare catalitica</i>, Editura MatrixRom, Bucuresti, 2013. (Carte)</p> <p>Editura MatrixRom, Bucuresti</p>	8/2=	4	
		<p>Popa C., Patrascioiu C., <i>New Approach in Modelling, Simulation and Hierarchical Control of the Fluid Catalytic Cracking Process. I – Process modelling</i>, Revista de Chimie, 61, Nr.4, 2010, ISSN 0034-7752, p 419-426.</p> <p>Popa C., Paraschiv N., <i>Robustness Improvement in Operating the Reactor – Regenerator Group for the Catalytic Cracking Unit Using Advanced Automation</i>, Revista de Chimie, 66, Nr.5, 2015, ISSN 0034-7752, p 746-749.</p> <p>http://www.revistadechimie.ro/pdf/POPA%20CRISTINA.pdf%205%2015.pdf</p>	8/2=	4	4
		Total partial		20	8

		<p>Doicin B., Popescu M., Patrascioiu C., <i>PID Controller Optimal Tuning</i>, Proc. of 8th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), Ploiesti, ROMANIA, JUN 30-JUL 02, 2016.</p> <p>Wojciech Kreft, <i>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</i>, pp. 494-497, 2017.</p> <p>http://ieeexplore.ieee.org/document/7861175/citations?tabFilter=papers</p>	8/3=	2.6	2.6
		<p>Doicin B., Popescu M., Patrascioiu C., <i>PID Controller Optimal Tuning</i>, Proc. of 8th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), Ploiesti, ROMANIA, JUN 30-JUL 02, 2016.</p> <p>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", <i>System Engineering and Technology (ICSET) 2017 7th IEEE International Conference on</i>, pp. 48-53, 2017, ISSN 2470-640X.</p> <p>http://ieeexplore.ieee.org/document/7861175/citations?tabFilter=papers</p>	8/3=	2.6	2.6
		<p>Doicin B., Popescu M., Patrascioiu C., <i>PID Controller Optimal Tuning</i>, Proc. of 8th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), Ploiesti, ROMANIA, JUN 30-JUL 02, 2016.</p> <p>D. Mercy, S. M. Girirajkumar, <i>An algorithmic approach based PSO-PID tuning of a real time conical tank process used in waste water treatment</i>, Conference: 2017 International Conference on Computing Methodologies and Communication (ICCMC), DOI: 10.1109/ICCMC.2017.8282590</p> <p>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</p>	8/3=	2.6	2.6
		<p>Doicin B., Popescu M., Patrascioiu C., <i>PID Controller Optimal Tuning</i>, Proc. of 8th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), Ploiesti, ROMANIA, JUN 30-JUL 02, 2016.</p> <p>YanJun Cheng, <i>Future Development</i>, In book: Conveyor Belt Furnace Thermal Processing, DOI: 10.1007/978-3-319-69730-7_21, January 2018.</p> <p>https://www.researchgate.net/publication/321108029_Future_Development</p>	8/3=	2.6	2.6
				10.4	10.4

		<p>Doicin B., Popescu M., Patrascioiu C., <i>PID Controller Optimal Tuning</i>, Proc. of 8th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), Ploiesti, ROMANIA, JUN 30-JUL 02, 2016.</p> <p>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</p>	8/3=	2.6	2.6
		<p>Popa C., Patrascioiu C., <i>Increase the catalytic cracking process efficiency by implementation an optimal control structure. Case study</i>, 21st European Symposium on Computer Aided Process Engineering, 2011, pp. 477-481, in Computer-Aided Chemical Engineering, vol 29, Elsevier, 2011.</p> <p>Popa C., <i>The New Approach in Modelling, Simulation and Hierarchical Control of the Fluid Catalytic Cracking Process. II – Hierarchical control</i>, Revista de Chimie, 64, Nr.10, 2013, p 1166-1171. (ISI) http://www.revistadechimie.ro/pdf/POPA%20CRISTINA.pdf%2010%2013.pdf</p>	8/2=	4	
		<p>Popescu M., Pătrășcioiu C., Mihalache S., Băieșu, A.S. – <i>New Control Strategies for Quality of the Separated Products of a Butylene-Butane Distillation Column</i>, Revista de Chimie (București), 64, Nr. 8, p. 886-893, 2013</p> <p>Pană I., Lambrescu, I. – <i>Models of the Equipment of Drilling and Extraction Used in the Teaching Activity</i>, 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</p>	8/4=	2	
		<p>Paraschiv N., Popescu M., Pătrășcioiu C. – <i>Advanced real time control of an industrial mass transfer process</i>, <i>Proceedings of 6th International Conference on Computational Heat and Mass Transfer</i>, Guangzhou, China, 2009, p. 602-607.</p> <p>Rădulescu G. – <i>Reglarea evoluată a procesului de distilare atmosferică</i>, Editura Universitatii Petrol-Gaze din Ploiesti, 2015 (Carte) http://editura.upg-ploiesti.ro/index.php?productID=172</p>	8/3=	2.6	2.6
		Total partial		11.2	5.2

		<p>Paraschiv N., Popescu M., Pătrășcioiu C. – <i>Advanced real time control of an industrial mass transfer process, Proceedings of 6th International Conference on Computational Heat and Mass Transfer</i>, Guangzhou, China, 2009, p. 602-607.</p> <p>Alina Simona Baiesu, <i>Controlling a Complex Propylen-Propane Distillation Column using a Robust Method Siutable for Simple Processes</i>, REV. CHIM. (Bucharest) ♦ 64♦ No. 4 ♦ 2013 (ISI) http://www.revistadechimie.ro/pdf/BAIESU.pdf%204%2013.pdf</p>	8/3=	2.6	
		<p>Popescu M., Pătrășcioiu C., Mihalache, S., Băieșu A.S. – <i>New Control Strategies for Quality of the Separated Products of a Butylene-Butane Distillation Column</i>, Revista de Chimie (București), 64, Nr. 8, p. 886-893, 2013.</p> <p>Rădulescu G. – <i>Reglarea evoluată a procesului de distilare atmosferică</i>, Editura Universitatii Petrol-Gaze din Ploiesti, 2015. (Carte) http://editura.upg-ploiesti.ro/index.php?productID=172</p>	8/4=	2	2
		<p>Marinoiu V., Paraschiv N., Pătrășcioiu C., Cirtoaje V. <i>Advanced Control for Oil Plant - A Case Study</i>, 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.</p> <p>Raimondi, Angelo; Favela, Antonio; Estrada, Raul; et al., <i>Adaptive predictive control of the sulfur recovery process at Pemex Cadereyta refinery</i>, Source: INTERNATIONAL JOURNAL OF ADAPTIVE CONTROL AND SIGNAL PROCESSING Volume: 26 Issue: 10 Special Issue: SI Pages: 961- 975 DOI: 10.1002/acs.2282 Published: OCT 2012 (ISI) http://scholar.google.ro/scholar?hl=ro&lr=&cites=16948905574486295923&um=1&ie=UTF-8&sa=X&ei=LWwzUYzpDozJsgab8oHYAw&ved=0CC0QzgIwADjKAg#</p>	8/4=	2	
		<p>Marinoiu V., Paraschiv N., Pătrășcioiu C., Cirtoaje V. <i>Advanced Control for Oil Plant - A Case Study</i>, 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.</p> <p>Raimondi A., Favela A., Garza L.E., Vargas A., Morales-Menendez R., <i>Design of an Adaptive Predictive Control Strategy for a MIMO Process</i>, IFAC Proceedings Volumes, Vol. 46, Nr. 2, 2013, p 851-856. (ISI) http://www.sciencedirect.com/science/article/pii/S1474667016302142</p>	8/4=	2	
		Total partial		8.6	2

		<p>Marinoiu V., Paraschiv N., Pătrășcioiu C., Cirtoaje V. <i>Advanced Control for Oil Plant - A Case Study</i>, European Symposium on Computer Aided Process Engineering-6, 26-29 May, Rhodes, Grece, In Supplement to Computers & Chemical Engineering, Part B, Pergamon,1996, p. S1125-S1129.</p> <p>Riverol C., Carosi C., <i>Perfect Decoupled Control System for a Distillation Column</i>, Advances in Sustainable Petroleum Engineering Science, Vol. 3, Nr. 2, 2011.</p> <p>https://scholar.google.ro/scholar?oi=bibs&hl=ro&cites=16948905574486295923</p>	8/4=	2	
		<p>Marinoiu V., Paraschiv N., Pătrășcioiu C., Cirtoaje V. <i>Advanced Control for Oil Plant - A Case Study</i>, European Symposium on Computer Aided Process Engineering-6, 26-29 May, Rhodes, Grece, In Supplement to Computers & Chemical Engineering, Part B, Pergamon,1996, p. S1125-S1129.</p> <p>Martín-Sánchez J.M., Rodellar J., <i>ADEX Optimized Adaptive Control System for the Sulfur Recovery Process at Pemex Cadereyta Refinery</i>, ADEX Optimized Adaptive Controllers and Systems Part of the series Advances in Industrial Control, Springer International Publishing, 2015, p 329-347. (ISI)</p> <p>http://link.springer.com/chapter/10.1007/978-3-319-09794-7_13</p>	8/4=	2	2
		<p>Marinoiu V., Paraschiv N., Pătrășcioiu C., Cirtoaje V. <i>Advanced Control for Oil Plant - A Case Study</i>, European Symposium on Computer Aided Process Engineering-6, 26-29 May, Rhodes, Grece, In Supplement to Computers & Chemical Engineering, Part B, Pergamon,1996, p. S1125-S1129.</p> <p>H.M.S. Lababidi, , I.M. Alatiqi, Y.I. Ali, <i>Constrained Model Predictive Control for a Pilot Hydrotreating Plant</i>, Chemical Engineering Research and Design, Volume 82, Issue 10, October 2004, Pages 1293–1304 (ISI).</p> <p>http://scholar.google.ro/scholar?hl=ro&lr=&cites=16948905574486295923&um=1&ie=UTF-8&sa=X&ei=LWwzUYzpDozJsgab8oHYAw&ved=0CC0QzgIwADjKAg#</p> <p>http://www.sciencedirect.com/science/article/pii/S0263876204726179</p>	8/4=	2	
		<p>Marinoiu V., Paraschiv N., Pătrășcioiu C., Cirtoaje V. <i>Advanced Control for Oil Plant - A Case Study</i>, European Symposium on Computer Aided Process Engineering-6, 26-29 May, Rhodes, Grece, In Supplement to Computers & Chemical Engineering, Part B, Pergamon,1996, p. S1125-S1129.</p> <p>Haitham M.S. Lababidia, Samir Kotobb, Bader Yousufc, <i>Refinery advanced process control planning system</i>, Computers & Chemical Engineering, Volume 26, Issue 9, 15 September 2002, Pages 1303–1319 (ISI)</p> <p>http://scholar.google.ro/scholar?hl=ro&lr=&cites=16948905574486295923&um=1&ie=UTF-8&sa=X&ei=LWwzUYzpDozJsgab8oHYAw&ved=0CC0QzgIwADjKAg#</p>	8/4=	2	
		Total partial		8	2

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		<p>Pătrășcioiu, C., Marinoiu, V., Paraschiv, N., Cîrtoaje, V., <i>Structuri de reglare a calității fracțiilor laterale la o coloană de distilare atmosferică</i>, Buletinul Universității „Petrol-Gaze” Ploiești, Vol. XLVII-L, Nr. 12, 1998.</p> <p>Rădulescu G. – <i>Reglarea evoluată a procesului de distilare atmosferică</i>, Editura Universitatii Petrol-Gaze din Ploiesti, 2015. (Carte) http://editura.upg-ploiesti.ro/index.php?productID=172</p>	8/4=	2	2
		<p>Pătrășcioiu C., Popescu M. - <i>Sisteme de conducere a proceselor chimice – Aplicații</i>, Editura MatrixRom, 2013.</p> <p>Bucur G., Moise A.G., Popescu C. - <i>Simulation of Gas Dehydration Plants Safe Operation in Chemical Industry</i>, Revista de Chimie (București), 66, Nr. 11, p. 1852-1856, 2015. (ISI) http://www.revistadechimie.ro/pdf/BUCUR%20GABRIELA.pdf%2011%2015.pdf</p>	8/2=	4	4
		<p>Mihaescu, D., Paraschiv, N., Patrascioiu, C., Baiesu, A.S., <i>Advanced Control System for a Refinery Hydrogen Sulphide Absorption Plant</i>, Rev. Chim (Bucharest), 64, no. 9, 2013, p. 1028.</p> <p>Bucur G., Moise A.G., Popescu C. - <i>Simulation of Gas Dehydration Plants Safe Operation in Chemical Industry</i>, Revista de Chimie (București), 66, Nr. 11, p. 1852-1856, 2015. (ISI) http://www.revistadechimie.ro/pdf/BUCUR%20GABRIELA.pdf%2011%2015.pdf</p>	8/4=	2	2
		<p>Pătrășcioiu, C., Marinoiu, V., Paraschiv, N., Cîrtoaje, V., <i>Structuri de reglare a calității fracțiilor laterale la o coloană de distilare atmosferică</i>, Buletinul Universității „Petrol-Gaze” Ploiești, Vol. XLVII-L, Nr. 12, 1998.</p> <p>Radulescu G., <i>Modern Dynamic Simulation of a Crude Oil Plant Revising the dynamic decoupling between quality control loops</i>, Revista de Chimie (București), 67, Nr. 3, p. 561-565, 2016. (ISI) http://www.revistadechimie.ro/pdf/RADULESCU%20G%203%2016.pdf</p>	8/4=	2	2
		<p>Pătrășcioiu C., Popescu M., Paraschiv N. - <i>Specific Problems to the Use of Unisim Design® in the Dynamic Simulation of the Propylene-Propane Distillation Column</i>, Revista de Chimie (București), 65, Nr. 9, p. 1086-1091, 2014.</p> <p>Popescu C., Bucur G., Moise A.G., Cangea O. - <i>Modern Procedure for Crude Oil Temperature Control with Programmable Logic Controller</i>, Revista de Chimie (București), 67, Nr. 4, p. 785-790, 2016. (ISI) http://www.revistadechimie.ro/pdf/POPESCU%20CRISTINA%204%2016.pdf</p>	8/3=	2.6	2.6
		Total partial		14.6	14.6

		<p>Popa C., Pătrășcioiu C., Cangea O., <i>Performance Analysis of the Four Lump Kinetic Model of the Riser Catalytic Cracking</i>, Revista de Chimie (București), 66, Nr. 6, p. 883-885, 2015.</p> <p>Radulescu G., <i>A Method for the Petroleum Products Quality Estimation in Advanced Software Simulation Schemes</i>, Revista de Chimie (București), 67, Nr. 10, p. 2005-2008, 2016. (ISI) http://www.revistadechimie.ro/pdf/RADULESCU%20G%2010%2016.pdf</p>	8/3=	2.6	2.6
		<p>Patrascioiu C., Marinoiu C., <i>The applications of the non-linear equations systems algorithms for the heat transfer processes</i>, 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.</p> <p>Song W., Wang Y., Li H., Cai Z., <i>Locating multiple optimal solutions of nonlinear equation systems based on multiobjective optimization</i>, IEEE Trans. Evol. Comput., vol. 19, no. 3, pp. 414-431, Jun. 2015. (ISI) http://ieeexplore.ieee.org/document/6849952/</p>	8/2=	4	4
		<p>Patrascioiu C., Marinoiu C., <i>The applications of the non-linear equations systems algorithms for the heat transfer processes</i>, 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.</p> <p>Laskowski R., <i>Relations for steam power plant condenser performance in off-design conditions in the function of inlet parameters and those relevant in reference conditions</i>, Applied Thermal Engineering, Vol. 103, 2016, p 528-536. (ISI) http://www.sciencedirect.com/science/article/pii/S1359431116306159</p>	8/2=	4	4
		<p>Patrascioiu C., Marinoiu C., <i>The applications of the non-linear equations systems algorithms for the heat transfer processes</i>, 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.</p> <p>Laskowski, R., Smyk, A., <i>The performance of a water-water shell-and-tube heat exchanger in off-design conditions with consideration of reference parameters</i>, Rynek Energii, Nr. 6, 2015, p 112-118. (ISI) http://yadda.icm.edu.pl/yadda/element/bwmeta1.element.baztech-d5bdd27e-9d38-4b0c-aa69-f8fedb43869f</p>	8/2=	4	4
		Total partial		14.6	14.6

		<p>Patrascioiu C, Radulescu S., <i>Modeling and Simulation of the Double Tube Heat Exchangers. Case Studies</i>, 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.</p> <p>Laskowski, R., Smyk, A., <i>The performance of a water-water shell-and-tube heat exchanger in off-design conditions with consideration of reference parameters</i>, Rynek Energii, Nr. 6, 2015, p 112-118. (ISI) http://yadda.icm.edu.pl/yadda/element/bwmeta1.element.baztech-d5bdd27e-9d38-4b0c-aa69-f8fedb43869</p>	8/2=	4	4
		<p>Patrascioiu C, Radulescu S., <i>Modeling and Simulation of the Double Tube Heat Exchangers. Case Studies</i>, 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.</p> <p>Laskowski R., <i>The black box model of a double tube counter flow heat exchanger</i>, 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</p>	8/2=	4	4
		<p>Patrascioiu C, Radulescu S., <i>Modeling and Simulation of the Double Tube Heat Exchangers. Case Studies</i>, 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.</p> <p>Laskowski, R., Tomczak, P., Jaworski, M., <i>The application of entropy generation minimization for optimizing the geometry of a double-tube heat exchanger</i>, 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</p>	8/2=	4	4
		<p>Patrascioiu C, Radulescu S., <i>Modeling and Simulation of the Double Tube Heat Exchangers. Case Studies</i>, 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.</p> <p>S.M. Shahril, G.A. Quadir, N.A.M. Amin, Irfan Anjum Badruddin, <i>Thermo hydraulic performance analysis of a shell-and-double concentric tube heat exchanger using CFD</i>, International Journal of Heat and Mass Transfer, Volume 105, February 2017, Pages 781–798. (ISI) http://www.sciencedirect.com/science/article/pii/S0017931016305610</p>	8/2=	4	4
		Total partial		16	16

		<p>Patrascioiu C, Radulescu S., <i>Modeling and Simulation of the Double Tube Heat Exchangers. Case Studies</i>, 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.</p> <p>Laskowski R., <i>Relations for steam power plant condenser performance in off-design conditions in the function of inlet parameters and those relevant in reference conditions</i>, Applied Thermal Engineering, Vol. 103, 2016, p 528-536. (ISI) http://www.sciencedirect.com/science/article/pii/S1359431116306159</p>	8/2=	4	4
		<p>Patrascioiu C, Radulescu S., <i>Modeling and Simulation of the Double Tube Heat Exchangers. Case Studies</i>, 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.</p> <p>S Rădulescu, L I Negoită and I Onuțu, <i>Analysis of the heat transfer in double and triple concentric tube heat exchangers</i>, IOP Conference Series: Materials Science and Engineering, IOP Conference Series: Materials Science and Engineering, Volume 147, Number 1, 2016. (ISI) http://iopscience.iop.org/article/10.1088/1757-899X/147/1/012148/meta</p>	8/2=	4	4
		<p>Patrascioiu C, Radulescu S., <i>Modeling and Simulation of the Double Tube Heat Exchangers. Case Studies</i>, 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.</p> <p>Nora Boultif, Cherif Bougriou, <i>Steady and unsteady state thermal behaviour of triple concentric-tube heat exchanger</i>, Heat Mass Transfer (2016), doi:10.1007/s00231-016-1859-5. (ISI) http://link.springer.com/article/10.1007/s00231-016-1859-5</p>	8/2=	4	4
		<p>Patrascioiu C, Radulescu S., <i>Modeling and Simulation of the Double Tube Heat Exchangers. Case Studies</i>, 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.</p> <p>Abdalla Gomaa, M.A. Halim, Ashraf Mimi Elsaid, <i>Experimental and numerical investigations of a triple concentric-tube heat exchanger</i>, Applied Thermal Engineering Volume 99, 25 April 2016, Pages 1303–1315. http://www.sciencedirect.com/science/article/pii/S1359431115014349</p>	8/2=	4	4
		Total partial		16	16

		<p>Patrascioiu C, Radulescu S., <i>Modeling and Simulation of the Double Tube Heat Exchangers. Case Studies</i>, 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.</p> <p>P.D. Rao, B. Nageswara Rao, <i>Cfd simulations and validation through test data of a double pipe counter flow heat exchanger</i>, International Journal of Mechanical Engineering and Technology (IJMET) Volume 8, Issue 5, May 2017, pp. 818–831, Article ID: IJMET_08_05_089 Available online at http://www.iaeme.com/IJMET/issues.asp?JType=IJMET&VType=8&IType=5 ISSN Print: 0976-6340</p>	8/2=	4	4
		<p>Patrascioiu C, Radulescu S., <i>Modeling and Simulation of the Double Tube Heat Exchangers. Case Studies</i>, 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.</p> <p>Mukesh Kumar PERIYASAMY CHOKKEYEE, Hariprasath VISVANATHAN, <i>ANALYSIS ON THERMAL AND FLOW BEHAVIOR OF TRIPLE CONCENTRIC TUBE HEAT EXCHANGER HANDLING MWCNT-WATER NANOFLUIDS</i>, Thermal Science 2020 Volume 24, Issue 1 Part B, Pages: 487-494 https://doi.org/10.2298/TSCI190413396P</p>	8/2=	4	4
		<p>Patrascioiu C., <i>The Simulation of the Heat Transfer trough a Shell-and-Tube Bundle Heat Exchanger</i>, Petroleum – Gas University of Ploiesti Bulletin, Technical Series, Vol LXII, No. 3A, Ploiesti, 2010, ISSN 1224-8495, pp. 39-46.</p> <p>Laskowski, R., Smyk, A., <i>The performance of a water-water shell-and-tube heat exchanger in off-design conditions with consideration of reference parameters</i>, Rynek Energii, Nr. 6, 2015, p 112-118. (ISI) http://yadda.icm.edu.pl/yadda/element/bwmeta1.element.baztech-d5bdd27e-9d38-4b0c-aa69-f8fedb43869f</p>	8/1=	8	8
		<p>Patrascioiu C., <i>The Simulation of the Heat Transfer trough a Shell-and-Tube Bundle Heat Exchanger</i>, Petroleum – Gas University of Ploiesti Bulletin, Technical Series, Vol LXII, No. 3A, Ploiesti, 2010, ISSN 1224-8495, pp. 39-46.</p> <p>Laskowski R., <i>Relations for steam power plant condenser performance in off-design conditions in the function of inlet parameters and those relevant in reference conditions</i>, Applied Thermal Engineering, Vol. 103, 2016, p 528-536. (ISI) http://www.sciencedirect.com/science/article/pii/S1359431116306159</p>	8/1=	8	8
		Total partial		24	24

		<p>Patrascioiu C., Panaitescu C., Paraschiv N., <i>Control valves – Modeling and Simulation</i>, Proceedings 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, p. 63-68.</p> <p>Panaitescu C., Stoica M.E., Fehiman C., <i>Non-Conventional Technologies for the Manufacturing Systems Use in Biological Wastewater Treatment Process</i>, Applied Mechanics and Materials, Vols. 809-810, pp. 1573-1578, 2015. (ISI)</p> <p>https://www.researchgate.net/publication/284707287_Non-Conventional_Technologies_for_the_Manufacturing_Systems_Use_in_Biological_Wastewater_Treatment_Process</p>	8/3=	2.6	2.6
		<p>Patrascioiu C., Panaitescu C., Paraschiv N., <i>Control valves – Modeling and Simulation</i>, Proceedings 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, p. 63-68.</p> <p>Shin, S.S.; Park, J.H., <i>A study on the pressure controller design of multiple control valve structure</i>, Journal of the Korean Society of Marine Engineering, Vol. 37, Nr. 4, 2013, pp. 404-408. (ISI)</p> <p>http://www.jkosme.or.kr/xml/00565/00565.pdf</p>	8/3=	2.6	
		<p>Patrascioiu C., Paraschiv N., Popescu M., Manea A., Tucu Gh., Ghenoiu M., <i>Training in Operating Plant wit DCS in the Romanian's Refineries</i>, Proceedings of the 4th WSEAS/IASME International Conference on Educational Technologies EDUTE08, ISBN 978-969-474-013-0, ISSN 1790-5109, pp. 75-80.</p> <p>Maryam Sadeghi, <i>Developing IEC61499 in Industrial Processes, Measurement and Control Systems (IPMCS)</i>, WSEAS TRANSACTIONS on SYSTEMS and CONTROL, Issue 4, Volume 5, April 2010, ISSN: 1991-8763. (ISI)</p> <p>http://www.wseas.us/e-library/transactions/control/2010/89-519.pdf</p>	8/6=	1.3	
		<p>Pătrășcioiu C. – <i>Metode numerice aplicate in ingineria chimica – Aplicatii in PASCAL</i>, Editia a 2^a, Editura MatrixRom, Bucuresti, 2005.</p> <p>Cristina Popa, <i>Reglarea ierarhica a procesului de cracare catalitica</i>, Editura MatrixRom, Bucuresti, 2013 (Carte)</p> <p>Editura MatrixRom, Bucuresti</p>	8/1=	8	
		<p>Patrascioiu C., Popa C., <i>Modeling a Riser-Type Reactor of Fluid Catalytic Cracking Unit</i>, The International Simposium of Modeling, Simulation and System' Identification, Universitatea Dunarea de Jos, Galati, 2004.</p> <p>Cristina Popa, <i>Reglarea ierarhica a procesului de cracare catalitica</i>, Editura MatrixRom, Bucuresti, 2013. (Carte)</p> <p>Editura MatrixRom, Bucuresti</p>	8/2=	4	
		Total partial		18.5	2.6

			<p>Patrascioiu C., Francu S., Hierarchical Control Structure for Fractionating Process, Buletinul Universitatii Petrol-Gaze din Ploiesti, Seria Tehnica, 2005.</p> <p>Cristina Popa, <i>Reglarea ierarhica a procesului de cracare catalitica</i>, Editura MatrixRom, Bucuresti, 2013. (Carte) Editura MatrixRom, Bucuresti</p>	8/2=	4	
			<p>Patrascioiu C., Popa C., Kinetic Models Adaptation of Catalytic Cracking Unit, Chemical Bulletin of Politehnica University of Timisoara, Series of Chemistry and Environmental Engineering, ISSN 1224-6018, Vol 52(66), No. 1-2, 2007.</p> <p>Cristina Popa, <i>Reglarea ierarhica a procesului de cracare catalitica</i>, Editura MatrixRom, Bucuresti, 2013. (Carte) Editura MatrixRom, Bucuresti</p>	8/2=	4	
			<p>Patrascioiu C., Popa C., Kinetic Models Adaptation of Catalytic Cracking Unit, Chemical Bulletin of Politehnica University of Timisoara, Series of Chemistry and Environmental Engineering, ISSN 1224-6018, Vol 52(66), No. 1-2, 2007.</p> <p>Popa C., <i>Neural Network Model Predictive Control System for Fluid Catalytic Cracking Unit</i>, REV. CHIM. (Bucharest) ♦ 64 ♦ No. 12 ♦ 2013 (ISI) http://www.revistadechimie.ro/pdf/POPA%20C.pdf%2012%2013.pdf</p>	8/2=	4	
			<p>Patrascioiu C., The Real Time Reconciliation Data, Revista de Chimie, Vol 58, Nr. 7, ISSN 0034-7752, Bucuresti, 2007, p. 705-710.</p> <p>Raileanu, Marian E.; Barbir, Gabriel; Cecal, Alexandru, <i>Statistical study on the distribution ratio of U(VI) and U(IV) species in several Romanian uranium ores</i>, Source: ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL Volume: 7 Issue: 3 Pages: 313-319 Published: MAY-JUN 2008, (ISI) http://omicron.ch.tuiasi.ro/EEMJ/pdfs/vol7/no3/Raileanu.pdf</p>	8/1=	8	
			<p>Popa C., Patrascioiu C., Hierarchical Control Structure of the Catalytic Cracking Unit, Buletinului Stiintific al Universitatii "Politehnica" din Timisoara, seria Chimie si Ingineria Mediului, ISSN 1224-6018, Vol. 51(65), No. 1 - 2, 2006, pp. 35 – 38.</p> <p>Cristina Popa, <i>Reglarea ierarhica a procesului de cracare catalitica</i>, Editura MatrixRom, Bucuresti, 2013. (Carte) Editura MatrixRom, Bucuresti</p>	8/2=	4	
			<p>Popa C., Patrascioiu C., FCC Model Predictive Control, Annals of the University of Petrosani, Electrical Engineering, Vol 9(XXXVI), 2007.</p> <p>Cristina Popa, <i>Reglarea ierarhica a procesului de cracare catalitica</i>, Editura MatrixRom, Bucuresti, 2013. (Carte) Editura MatrixRom, Bucuresti</p>	8/2=	4	
			Total partial		28	

		Popa C., Patrascioiu C. , <i>The Adaptation of the Control Model for FCCU</i> , Buletinul Universitatii Petrol-Gaze din Ploiesti, Vol. LVIII, Seria Tehnica, Nr. 1/2006. Cristina Popa, <i>Reglarea ierarhica a procesului de cracare catalitica</i> , Editura MatrixRom, Bucuresti, 2013. (Carte) Editura MatrixRom, Bucuresti	8/2=	4	
		Popa C., Paraschiv N., Patrascioiu C. , <i>Modeling, Simulation and Hierarchical Control of the Fluid Cataliting Cracking</i> , Proceedings of the 17th International Conference on Control Systems and Computer Science, ISSN 2066-4451, Editura Politehnica Press, Bucuresti, 2009, p. 547-552. Cristina Popa, <i>Reglarea ierarhica a procesului de cracare catalitica</i> , Editura MatrixRom, Bucuresti, 2013. (Carte) Editura MatrixRom, Bucuresti	8/3=	2.6	
		Marinoiu V., Pătrășcioiu C. , Francu S. - <i>Some Aspect about Advanced Control of Chemical Processes - Control Engineering and Applied Informatics</i> , vol. 2. nr. 1, Bucuresti, December, 2000. Cristina Popa, <i>Reglarea ierarhica a procesului de cracare catalitica</i> , Editura MatrixRom, Bucuresti, 2013. (Carte) Editura MatrixRom, Bucuresti	8/3=	2.6	
		Marinoiu V., Pătrășcioiu C. , Francu S. - <i>Plant-Wide Control Structure of a Hydrocarbon Distillation Process – The 12th International Conference on Control Systems and Computer Science</i> , Bucharest, 25-29 May, 1999. Cristina Popa, <i>Reglarea ierarhica a procesului de cracare catalitica</i> , Editura MatrixRom, Bucuresti, 2013. (Carte) Editura MatrixRom, Bucuresti	8/3=	2.6	
		Popa C., Paraschiv N., Patrascioiu C. , <i>Modeling, Simulation and Hierarchical Control of the Fluid Cataliting Cracking</i> , Proceedings of the 17th International Conference on Control Systems and Computer Science, ISSN 2066-4451, Editura Politehnica Press, Bucuresti, 2009, p. 547-552. Cristina Popa, <i>Reglarea ierarhica a procesului de cracare catalitica</i> , Editura MatrixRom, Bucuresti, 2013. (Carte) Editura MatrixRom, Bucuresti	8/3=	2.6	
		Marinoiu V., Dumitrascu L., Minoiu St., Macri I., Popa C., Marinoiu C., Pătrășcioiu C. - <i>Programare - Indrumar de laborator</i> , Institutul de Petrol si Gaze, Ploiesti, 1987. Cristina Popa, <i>Notiuni fundamentale de programare – Aplicatii in ingineria chimica</i> , 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	
		Pătrășcioiu C. - <i>Metode numerice aplicate in ingineria chimica – Aplicatii in PASCAL</i> , Editura MatrixRom, Bucuresti, 2004. Cristina Popa, <i>Notiuni fundamentale de programare – Aplicatii in ingineria chimica</i> , 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	

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

		A3.1.2.	BDI	4 / nr. aut. articol citat		
			Pătrășcioiu , 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, <i>A Ridge Regression Model of the Cracking Process</i> , BULETINUL Universității 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	
			Pătrășcioiu , 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 Brâncuși” University of Târgu Jiu, Economy Series, Issue 4/2017	4/2=	2	2
			Pătrășcioiu 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 , Proceedings 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., <i>Study on oil wastewater treatment with polymeric reagents</i> , 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 , Proceedings 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

		<p>Patrascioiu C., Radulescu S., <i>Modeling and Simulation of the Double Tube Heat Exchangers. Case Studies</i>, 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.</p> <p>Rădulescu S., Negoită L.I., Onuțu I., <i>Advantages and Disadvantages Concerning the Heat Transfer in Tube in Tube Heat Exchangers versus Shell and Tube Heat Exchangers</i>, Buletinul Universității Petrol – Gaze din Ploiești, 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</p>	4/2=	2	2
		<p>Pătrășcioiu , C . , Marinoiu , C . - <i>Optimal Control System of FCC Plant</i>, Buletinul Universității Petrol-Gaze din Ploiesti, vol. LII, nr. 1, 2000</p> <p>Cristian Marinoiu, A Ridge Regression Model of the Cracking Process, BULETINUL Universității 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</p>	4/2=	2	
		<p>Marinoiu, V., Stratula, C., Petcu, A., Patrascioiu, C., Marinescu, C., <i>Metode numerice aplicate in ingineria chimica</i>, Editura Tehnica, Bucuresti, 1986.</p> <p>Adina Magdalena Musuc , Domnina Razus and D. Oancea, A DSC STUDY OF THE THERMAL DECOMPOSITION OF 2–METHOXYAMINO–3, 5–DINITRO–PYRIDINE, Analele Universității din Bucuresti – Chimie, Anul XVI (serie nouă), vol. I, pag. 25 – 30 (BDI) http://gw-chimie.math.unibuc.ro/anunivch/2007-1/AUBCh2007XVI12530.pdf</p>	4/5=	0.8	
		<p>Paraschiv N., Popescu M., Pătrășcioiu C. – <i>Advanced real time control of an industrial mass transfer process, Proceedings of 6th International Conference on Computational Heat and Mass Transfer</i>, Guangzhou, China, 2009, p. 602-607.</p> <p>Popescu, M., <i>Distillation Column Hierarchical Control Using DeltaV Distributed Control System</i>, Buletinul Universității 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</p>	4/3=	1.3	
		<p>Pătrășcioiu C., Precup I., Eftimie G., Badea O., <i>Modelarea si simularea procesului de extractie in contracurent a aromatorilor din amestecurile complexe</i>, Revista de Chimie, Nr. 3-4, 1992, pp. 141-146.</p> <p>T.-M. Sturzu , and I.-C. Marcu, THE SIMULATION OF MULTIPLE EXTRACTION IN COUNTER CURRENT, Analele Universității din Bucuresti – Chimie, Anul XIII (serie nouă), vol. I-II, pag. 303-308, Copyright © 2004 Analele Universității din Bucuresti (BDI) http://gw-chimie.math.unibuc.ro/anunivch/2004/AUBCh2004XIII12303308.pdf</p>	4/4=	1	
		Total partial		7.1	2

		<p>Pătrășcioiu 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.</p> <p>Rădulescu S., <i>Heat Transfer Analysis on Changing the Flow Arrangement in a Triple Tube Heat Exchanger</i>, Buletinul Universității Petrol – Gaze din Ploiești, Seria Tehnica, Vol. LXVIII, No. 2/2016, p 80-88. (BDI)</p> <p>http://www.bulletin.upg-ploiesti.ro/content.jsp?page=2421&language=2&pageType=T</p>	4/2=	2	2
		<p>Pătrășcioiu 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.</p> <p><u>Achour Touatit, Cherif Bougriou</u>, 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</p> <p>https://www.researchgate.net/publication/324160127_Optimal_diameters_of_triple_concentric-tube_heat_exchangers/references</p>	4/2=	2	2
		<p>Pătrășcioiu 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.</p> <p>Devendra Yadav, Zenis Upadhyay, Akhilesh Kushwaha, Anuj mishra, <u>ANALYSIS OVER TRIO TUBE WITH DUAL THERMAL COMMUNICATION SURFACE HEAT EXCHANGER</u>, 2 nd International Conference on Innovation in Mechanical Engineering (ICIME-2019), India (BDI)</p> <p>https://www.researchgate.net/publication/338421684_ANALYSIS_OVER_TRIO_TUBE_WITH_DUAL_THERMAL_COMMUNICATION_SURFACE_HEAT_EXCHANGER</p>	4/2=	2	2
		<p>PATRASCIOIU C., PASCU C., Numerical Modeling of Vapor-Liquid Equilibrium by Using the Edmister -Okamoto Model, REV. CHIM. (Bucuresti) ♦ 60♦ Nr. 7 ♦ 2009.</p> <p>Imad E. A. Mahajoub a, Gurashi A. Gasmelseedb, M. O. Babkera and Abdelbagi O. Elsiddiga, <i>Mathematical Model for the Equilibrium Flash Vaporization of the Nile Blend Crude Oil</i>, Gezira j. of Eng. & applied. Sci. 10- (1):47-62 (2015) (BDI)</p> <p>http://www.revistadechimie.ro/pdf/PATRASCIOIU%20C%207.pdf</p>	4/2=	2	2
		Total partial		8	8

			Patrascioiu C., Marinoiu C., <i>The applications of the non-linear equations systems algorithms for the heat transfer processes</i> , 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, <i>lp-Norm Minimization Method for Solving Nonlinear Systems of Equations</i> , 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 Pătrășcioiu, Marian Popescu, Cristian Dumitrescu, <i>Algorithms and programs for the flowrate calculus and orifice plates sizing. A case study</i> , Advances in Automatic Control, Modelling & Simulation, 2013, ISBN: 978-1-61804-189-0, p. 151-156 E. M. Adigio, Y. Yeitaribo, <i>MATHEMATICAL MODELING OF FLUID FLOW THROUGH MULTIPLE ORIFICE AND ITS USE FOR FLUID FLOW MEASUREMENT</i> , 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, <i>Monitoring pH with HART communication</i> , 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, <i>Analysis of Soil Nutrition Analysis with HART Protocol a Review</i> , 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 Pătrășcioiu, Cao Minh Ahn, <i>Characterization and control of the distillation column with heat pump</i> , DOI: 10.1109/ECAI.2016.7861147, 8th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), 2016 Cao Minh Anh, Marius Olteanu, Nicolae Paraschiv, <i>Specific Problems of the Propylene-Propane Distillation Column Control with Heat Pump</i> , 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		31.0	20.6
			Total 5 ani			
			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), Istanbul, 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, <i>A Comparative Study of the Modeling and Quality Control of the Propylene-Propane Classical Distillation and Distillation Column with Heat Pump</i> , 2017	15	
		TOTAL A3.4	30	
TOTAL A3		316.8+0+42+30	388.8	
		5 ani	152.0	

Formula de calcul a indicatorului de merit ($A = A_1 + A_2 + A_3$) $A = \sum_i K_{1i} + \sum_i K_{2i} + \sum_i K_{3i}$, unde p_i – Indice specific tipului și categoriei de activitate

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

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

³Se consideră factorul de impact ISI al revistei valabil în anul publicării sau la data depunerii dosarului. Pentru volumele manifestărilor ISI se consideră factorul de impact echivalent 0.25. Pentru volumele conferințelor internaționale de top în domeniul de abilitare se consideră factorul 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 Informației și 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

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

⁶Nu 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 autocitățile (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)

⁸Se dublează punctajul dacă citarea provine dintr-o revistă cotate 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 cumulată pentru publicații	10	34.185	15.370	DA

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