

FIŞA DE VERIFICARE

a îndeplinirii standardelor minime 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/Stadarde-C15.pdf>

Subsemnatul Prof.univ.dr.ing. PARASCHIV Nicolae, conducător de doctorat în domeniul *Ingineria Sistemelor*, declar pe proprie răspundere că datele prezentate în fișă de verificare de mai jos sunt reale.

Conform acestor date declar că ÎNDEPLINESC

Standardele minime necesare și obligatorii

**pentru abilitare (respectiv pentruconferirea titlului didactic de profesor universitar),
aferente Domeniului *Calculatoare, tehnologia informației și ingineria sistemelor* ,
valabile la data de 08.04.2020.**

**În ultimii 5 ani am realizat *513,44 puncte*, ceea ce reprezint *60,40 %* din punctajul minim solicitat (*850 puncte*)
pentru domeniul *Calculatoare, tehnologia informației și ingineria sistemelor*.**

Prof.univ.dr.ing. PARASCHIV Nicolae

1. Studiile de doctorat

Nr. crt.	Instituția organizatoare de doctorat	Domeniu	Perioada	Titlul științific acordat
1	Universitatea Petrol-Gaze din Ploiești	Sisteme automate	1981-1987	Doctor inginer

2. Îndeplinirea standardelor minime

Domeniul activităților	Categorii și restricții	Subcategorii	Indicatori (kpi)	Punctaj realizat	5 ani 15-20
1	2	3	4	5	6
Activitatea didactică și profesională (A1)	Cărți de autor sau capitulo ¹ de specialitate în edituri cu ISBN	A1.1.1	Internationale	50 / nr. de autori sau 100 / nr. de autori cu condiția ²	
			1. Paraschiv N., Oprea M., Cărbureanu M., Olteanu M., <i>Computational Intelligence Techniques for Chemical Process Control – Chapter in Innovations Intelligence in Control Systems</i> , Springer Verlag Berlin, Germania, 2014, Link: https://www.worldcat.org/title/innovations-in-intelligent-machines-5-computational-intelligence-in-control-systems-engineering/oclc/958980354&referer=brief_results Link WorldCat: https://link.springer.com/chapter/10.1007/978-3-662-43370-6_7	k ₁₁	100/4/4= 12,5
			2. Paraschiv N., Olteanu M., Nicoară S.E. Control Through Genetic Algorithms published in Nakamatsu K., Kountchev R. (eds) New Approaches in Intelligent Control. Intelligent Systems Reference Library, vol 107. Springer, Cham Link: https://link.springer.com/chapter/10.1007/978-3-319-32168-4_6 Link WorldCat: https://www.worldcat.org/title/new-approaches-in-intelligent-control-techniques-methodologies-and-applications/oclc/955156647&referer=brief_results	k ₁₁	100/4/4= 12,5
			Nationale	50/nr. de autori	
		A1.1.2	1. Paraschiv N., <i>Programarea aplicațiilor de timp real – Sinteze</i> , Editura Universitatii “Petrol – Gaze”, Ploiești, 2018.	kp1	50/1=50
			2. Popescu D., Paraschiv N., Pătrășcioiu Cr., s.a. Automatica Volumul III, cap. 33 – Automatizări în industria chimică și petrochimică, Editura Academiei Române (coordonator I. Dumitracă), 2016.	kp1	50/3/4= 4,16
			3. Paraschiv N., <i>Programarea aplicațiilor de timp real</i> , Editura Universității “Petrol – Gaze”, Ploiești, 2014.	kp1	50/1=50
			4. Paraschiv N., Popescu M., <i>Sisteme distribuite de supervizare și control</i> , Editura Universității “Petrol – Gaze”, Ploiești, 2014.	kp1	50/2=25
			5. Paraschiv N., <i>Achiziția și prelucrarea datelor</i> , Editura Universității “Petrol – Gaze”, Ploiești, 2013.	kp1	50/1=50
			6. Paraschiv N., Rădulescu G., <i>Introducere în știința sistemelor și calculatoarelor</i> , Edirura MatrixRom, Bucuresti, 2007.	kp1	50/2=25
			7. Marinoiu V., Paraschiv N., <i>Automatizarea proceselor chimice</i> , Editura Tehnică, București, 1992.	kp1	50/2=25
			8. Dumitrescu St., Marinoiu V., Paraschiv N., s.a. <i>Aparate de măsurat și automatizări în petrol și petrochimie</i> , Editura Didactica și Pedagogica, București, 1983.		50/1=10
	Material didactic / Lucrări didactice	Manuale didactice	Nationale	40/ nr. autori	
	A1.2.1	9. Paraschiv N. <i>Introducere în automatică și calculatoare</i> , Editura Universității “Petrol – Gaze”, Ploiești, 2017	kp1	40/1=40	
		10. Paraschiv N., <i>Programarea aplicațiilor de timp real</i> , Editura Universității “Petrol – Gaze”, Ploiești, 2014.	kp1	40/1=40	
		11. Paraschiv N., <i>Introducere în știința sistemelor și calculatoarelor</i> , Editura Universității “Petrol – Gaze”, Ploiești, 2011.	kp1	40/1=40	

	publicate în edituri cu ISBN			12. Paraschiv N., <i>Echipamente numerice pentru conducerea proceselor - Îndrumar de laborator</i> , Universitatea "Petrol – Gaze", Ploiești, 1996. 13. Paraschiv N., <i>Echipamente numerice pentru conducerea proceselor</i> , Universitatea "Petrol – Gaze", Ploiești, 1996. 14. Paraschiv N., <i>Ingineria reglării automate - Îndrumar de laborator</i> , Universitatea "Petrol – Gaze", Ploiești, 1996. 15. Marinoiu V., Paraschiv N., <i>Automatizarea proceselor petrochimice - Indrumar de laborator</i> , Institutul de Petrol si Gaze, Ploiești, 1988.	kp1	40/1=40	-
			TOTAL A1	Total puncte din activitatea didactică și profesională – criteriu A1	524,16	56,66	
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		
			1. Prelipceanu O.S., Prelipceanu M., Paraschiv N., Popa A., Geman O., <i>Investigations of Novel High-Temperature Resistant Polymers for Electro-Optical Applications in Signal Processing Systems</i> , Symmetry, vol. 11, no. 1, p. 60, Jan. 2019 IF: 1,256 – ZONA GALBENA !!!	IF = 1,256 Naut = 5	12,54	12,54	
			2. Olteanu M., Paraschiv N., Koprinkova-Hristova, P., <i>Genetic Algorithms vs. Knowledge-Based Control of PHB Production</i> , Cybernetics and Information Technologies vol. 19, issue 2, pag. 104-116, DOI:10.2478/cait-2019-0018, WOS:000470089400007, IF: 0	IF = 0 Naut = 3	8,33	8,33	
			3. Koprinkova-Hristova, P.; Todorov, Y.; Paraschiv, N.; Olteanu, M.; Terziyska, M. <i>Adaptive control of distillation column using adaptive critic design</i> . In Proceedings of the Proceedings of the 2017 21st International Conference on Process Control, PC 2017; Fikar, M and Kvasnica, M, Ed.; 2017; pp. 434–439. IF: 0,25	IF = 0,25 Naut = 5	6,50	6,50	
			4. Baiesu, A.-S.; Paraschiv, N. <i>Binary Distillation Column Top and Bottom Compositions Control using Two PI Controllers Tuned with GA</i> . In Proceedings of the Proceedings of the 2017 9Th Ieee International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (Idaacs), Vol 1; 2017; pp. 537–542. IF: 0,25	IF = 0,25 Naut = 2	16,25	16,25	
			5. Hung, V.M.; Mihai, V.; Ion, I.; Paraschiv, N.; Dragana, C. <i>Improvements of Force Tracking Performances for a Minimal Surgery Training System using Haptic and Robot Devices</i> . In Proceedings of the Proceedings of the 2017 9Th Ieee International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (Idaacs), Vol 2; 2017; pp. 1130–1136. IF: 0,25	IF = 0,25 Naut = 5	6,50	6,50	
			6. Rosca, C.M.; Paraschiv, N. <i>Frequency sampling algorithm applied in microwave measurements based on step-size control method</i> . In Proceedings of the Proceedings of the 8th International Conference on Electronics, Computers and Artificial Intelligence, ECAI 2016; IF: 0,25	IF = 0,25 Naut = 2	16,25	16,25	
			7. Zamfir, F.; Paraschiv, N.; Pricop, E. <i>Performance analysis in WiMAX networks using random linear network coding</i> . In Proceedings of the 2017 4th International Conference on Control, Decision and Information Technologies, CoDIT 2017; IEEE - Institute of Electrical and Electronics Engineers: Barcelona, Spain, 2017; Vol. 2017–January, pp. 590–594. IF: 0,25	IF = 0,25 Naut = 3	10,83	10,83	
			8. Pricop, E.; Fattah, J.; Paraschiv, N.; Zamfir, F.; Ghayoula, E. <i>Method for authentication of sensors connected on Modbus TCP</i> . In Proceedings of the 2017 4th International Conference on Control, Decision and Information Technologies (CoDIT); IEEE - Institute of Electrical and Electronics Engineers: Barcelona, Spain, 2017; pp. 679–683. IF: 0,25	IF = 0,25 Naut = 5	6,50	6,50	
			9. Hung, V.M.; Stamatescu, I.; Dragana, C.; Paraschiv, N. <i>Comparison of model reference adaptive control and cascade PID control for ASTank2</i> . In Proceedings of the Proceedings of the 2017 IEEE 9th International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications, IDAACS 2017; 2017; Vol. 2, pp. 1137–1143. IF: 0,25	IF = 0,25 Naut = 4	8,13	8,13	
			10. Pricop, E.; Mihalache, S.F.; Paraschiv, N.; Fattah, J.; Zamfir, F. <i>Considerations regarding security issues impact on systems availability</i> . In Proceedings of the Proceedings of the 8th International Conference on Electronics, Computers and Artificial Intelligence, ECAI 2016; IEEE - Institute of Electrical and Electronics Engineers: Ploiești, Romania, 2017; pp. 1–	IF = 0,25 Naut = 5	6,50	6,50	

		6. IF: 0,25		
		11. Tudorica, D.; Paraschiv, N. ; Marinescu, C.; Tudorica, B. <i>A Robust Wireless Solution For Leak Detection And Localization In Oil Pipelines</i> . In Proceedings Of The 2016 8th International Conference On Electronics, Computers And Artificial Intelligence ECAI 2016 IF: 0,25	IF = 0,25 Naut = 4	8,13 8,13
		12. Rosca, C.M.; Paraschiv, N. <i>Increased speed in microwave measurements based on spline interpolation model</i> . In Proceedings of the 2016 13Th International Conference on Development and Application Systems (Das 2016); 2016; pp. 166–171. IF: 0,25	IF = 0,25 Naut = 2	16,25 16,25
		13. Paraschiv, N. ; Pricop, E. <i>Adequacy testing of some algorithms for feedforward control of a propane-propylene distillation process</i> . Rev. Chim. 2016, 67, 1363–1369. IF: 1,412	IF = 1,412 Naut = 2	33,68 33,68
		14. Popa, C.R.; Paraschiv, N. <i>Robustness Improvement in Operating the Reactor - Regenerator Group for the Catalytic Cracking Unit Using Advanced Automation</i> . Rev. Chim. 2015, 66, 746–749. IF: 1,412	IF = 1,412 Naut = 2	33,68 33,68
		15. Patrascioiu, C.; Paraschiv, N. ; Minh, A.C.; Popescu, M. <i>Robust Control of Industrial Propylene-Propane Fractionation Process</i> . In Proceedings of the Computer Aided Chemical Engineering; Gernaey, KV and Huusom, JK and Gani, R, Ed.; 2015; Vol. 37, pp. 1745–1750 IF: 0,25	IF = 0,25 Naut = 4	8,13 8,13
		16. Paraschiv, N. ; Olteanu, M. <i>Feedforward process control of a distillation column based on evolutionary techniques</i> . In Proceedings of the 2015 19Th International Conference on System Theory, Control and Computing (icstcc); Caraman, S and Barbu, M and Solea, R, Ed.; 2015; pp. 730–735 IF: 0,25	IF = 0,25 Naut = 2	16,25 16,25
		17. Pricop, E. ; Zamfir, F.; Paraschiv, N. <i>Feedback control system based on a remote operated PID controller implemented using mbed NXP LPC1768 development board</i> . In Proceedings of the Journal of Physics: Conference Series; IOP Publishing: Pilsen, Czech Republic, 2015; Vol. 659, p. 012028. IF: 0,25	IF = 0,25 Naut = 3	10,83 10,83
		18. Popa, C.; Paraschiv, N. <i>Efficient Operation of Reaction Group from a Catalytic Cracking Plant through Fuzzy Control</i> . Rev. Chim. 2015, 66, 2136–2139. IF: 1,412	IF = 1,412 Naut = 2	33,68 33,68
		19. Patrascioiu C., Popescu Marian, Paraschiv N. , <i>Specific Problems of Using Unisim Design (R) in the Dynamic Simulation of the Propylene-Propane Distillation Column</i> ; REVISTA DE CHIMIE Volume: 65 Issue: 9 Pages: 1086-1091 Published: SEP 2014 IF: 1,412	IF = 1,412 Naut = 3	22,45 -
		20. Mihaescu D., Paraschiv N. , Patrascioiu C., Baiesu A., <i>Advanced Control System for a Refinery Hydrogen Sulphide Absorption Plant</i> ; REVISTA DE CHIMIE Volume: 64 Issue: 9 Pages: 1028-1036 Published: SEP 2013 IF: 1,412	IF = 1,412 Naut = 4	16,84 -
		21. Radulescu G., Paraschiv N. , Mihalache S.F., <i>A Systematic Approach on the Dynamic Modeling of Reactive Distillation Processes The standard mathematical model (NPHSP)</i> , REVISTA DE CHIMIE Volume: 64 Issue: 9 Pages: 1043-1046 Published: SEP 2013 IF: 1,412	IF = 1,412 Naut = 3	22,45 -
		22. Olteanu M., Paraschiv N. , <i>The Influence of Random Number Generators upon Genetic Algorithms</i> , Book Group Author(s): IEEE Conference: IEEE International Symposium on INNovations in Intelligent SysTems and Applications (INISTA) Location: BULGARIA Date: JUN 19-21, 2013, IEEE INTERNATIONAL SYMPOSIUM ON INNOVATIONS IN INTELLIGENT SYSTEMS AND APPLICATIONS (IEEE INISTA) Published: 2013 IF: 0,25	IF = 0,25 Naut = 2	16,25 -
		23. Ionescu O., Pricop E., Paraschiv N. , <i>The Management of Health and Safety Issues Related to the Wearing of Protective Clothing by Using RFID Technology</i> , Edited by: Zhu, M; Conference: 2nd International Conference on Economic, Education and Management (ICEEM 2012) Location: Shanghai, PEOPLES R CHINA Date: JUN 01-02, 2012 ; ICEEM 2012: 2012 2ND INTERNATIONAL CONFERENCE ON ECONOMIC, EDUCATION AND MANAGEMENT, VOL 1 Pages: 495-499 Published: 2012 IF: 0,25	IF = 0,25 Naut = 3	10,83 -
		24. Nicoara, E.S., Filip F. Gh., Paraschiv N. , <i>Simulation-based Optimization Using Genetic Algorithms for Multi-objective Flexible JSSP</i> , STUDIES IN INFORMATICS AND CONTROL Volume: 20 Issue: 4 Pages: 333-344 Published: DEC 2011 IF: 1,020	IF = 1,020 Naut = 3	18,53 -
		25. Olteanu, M.; Paraschiv, N.; Cangea, O. <i>Modeling Gilliland correlation using genetic programming</i> . Int. J. Comput. Commun. Control 2010, 5, 837–843. IF: 1,290	IF = 1,020 Naut = 3	21,23 -
		26. Rădulescu G., Gangadwala J., Paraschiv N. , <i>Dynamics of reactive distillation processes with potential liquid phase</i>	IF = 3,113	39,46

		<p><i>splitting based on equilibrium stage models</i> , COMPUTERS & CHEMICAL ENGINEERING Volume: 33 Issue: 3 Special Issue: SI Pages: 590-597 Published: MAR 20 2009 IF: 3,113 ZONA ROSIE!!!</p>	Naut = 3		
		<p>27. Paraschiv, N., Baiesu, A., Stamatescu, G. <i>Using an Advanced Control Technique for Controlling a Distillation Column</i> , Book Group Author(s): IEEE Conference: IEEE International Conference on Control and Automation Location: Christchurch, NEW ZEALAND Date: DEC 09-11, 2009 .Sponsor(s): IEEE , 2009 IEEE INTERNATIONAL CONFERENCE ON CONTROL AND AUTOMATION, VOLS 1-3 Book Series: IEEE International Conference on Control and Automation ICCA Pages: 581-584 Published: 2009 IF: 0,25</p>	IF = 0,25 Naut = 3	10,83	-
		<p>28. Popescu Cr., Paraschiv N., Cangea O.. <i>Neuro-fuzzy controller for mobile robot navigation with avoiding obstacles and reaching target behaviors</i>, Edited by: Katalinic B, Conference: 20th International Danube-Adria-Association-for-Automation-and-Manufacturing Symposium, ANNALS OF DAAAM FOR 2009 & PROCEEDINGS OF THE 20TH INTERNATIONAL DAAAM SYMPOSIUM Book Series: Annals of DAAAM and Proceedings Volume: 20 Pages: 595-596 Published: 2009 IF: 0,25</p>	IF = 0,25 Naut = 3	10,83	-
		<p>29. Paraschiv N., Popovici C.S.,Popescu M. ; <i>Online laboratory solution based on interactive web application</i>, Edited by: Oprean, C; Grunwald, N; Kifor, CV Conference: 5th Balkan Region Conference on Engineering and Business Education/2nd International Conference on Engineering and Business Education Location: Lucian Blaga Univ, Sibiu, ROMANIA Date: OCT 15-17, 2009 Sponsor(s): Hochschule Wismar, Univ Technol, Business & Design BALKAN REGIONAL CONFERENCE ON ENGINEERING AND BUSINESS EDUCATION & ICEBE, VOLS I AND II, CONFERENCE PROCEEDINGS Pages: 640-643 Published: 2009 IF: 0,25</p>	IF = 0,25 Naut = 3	10,83	-
		<p>30. Patrascioiu C. Panaiteescu C., Paraschiv N., <i>Control Valves - Modeling and Simulation</i> Edited by: Perlovsky, L; Dionysiou, DD; Zadeh, LA; et al. Conference: 11th WSEAS International Conference on Mathematical Methods, Computational Techniques and Intelligent Systems/8th WSEAS NOLASC 2009/5th WSEAS CONTROL 2009 Location: Univ La Laguna, Tenerife, SPAIN Date: JUL 01-03, 2009 . Sponsor(s): WSEMATHMATICAL METHODS, SYSTEMS THEORY AND CONTROL Book Series: Mathematics and Computers in Science and Engineering Pages: 63-68 Published: 2009 IF: 0,25</p>	IF = 0,25 Naut = 3	10,83	-
		<p>31. Mihalache S.F., Patrascioiu C., Paraschiv, N.. <i>Pilot Plant for Testing Control Configurations of Binary Distillation Columns</i> , REVISTA DE CHIMIE Volume: 59 Issue: 8 Pages: 926-929 Published: AUG 2008 IF: 1,412</p>	IF = 1,412 Naut = 3	22,45	-
		<p>32. Paraschiv N., Popovici S., Stoica Doru, <i>Online laboratory based on web technology</i> , Edited by: Mastorakis, NE; Poulos, M; Mladenov, V; et al. Conference: 4th WSEAS/IASME International Conference on Educational Technologies (EDUTE'08) Location: Corfu, GREECE Date: OCT 26-28, 2008 . Sponsor(s): WSEAS; IASME PROCEEDINGS OF THE 4TH WSEAS/IASME INTERNATIONAL CONFERENCE ON EDUCATIONAL TECHNOLOGIES (EDUTE'08) Book Series: Recent Advances in Computer Engineering Pages: 46-51 Published: 2008 IF: 0,25</p>	IF = 0,25 Naut = 3	10,83	-
		<p>33. Patrascioiu C., Paraschiv N., ; Popescu, M., <i>Training in Operating Plant with DCS in the Romanian's Refineries</i> , Edited by: Mastorakis, NE; Poulos, M; Mladenov, V; et al. Conference: 4th WSEAS/IASME International Conference on Educational Technologies (EDUTE'08) Location: Corfu, GREECE Date: OCT 26-28, 2008, Sponsor(s): WSEAS; IASME PROCEEDINGS OF THE 4TH WSEAS/IASME INTERNATIONAL CONFERENCE ON EDUCATIONAL TECHNOLOGIES (EDUTE'08) Book Series: Recent Advances in Computer Engineering Pages: 75-80 Published: 2008 IF: 0,25</p>	IF = 0,25 Naut = 3	10,83	-
		<p>34. Radulescu G., Paraschiv N., Kienle A., <i>An original approach for the dynamic simulation of a crude oil distillation plant - 2. Setting-up and testing the simulator</i> , REVISTA DE CHIMIE Volume: 58 Issue: 3 Pages: 349-354 Published: MAR 2007 IF: 1,412</p>	IF = 1,412 Naut = 3	22,45	-
		<p>35. Gangadwala J., Radulescu G., Paraschiv N., <i>Dynamics of Reactive Distillation Processes with Potential Liquid Phase Splitting</i> , Edited by: Plesu, V; Agachi, PS Conference: 17th European Symposium on Computer Aided Process Engineering (ESCAPE-17) Location: Bucharest, ROMANIA Date: MAY 27-30, 2007 Sponsor(s): Univ Bucharest; Univ Cluj Napoca</p>	IF = 0,25 Naut = 3	10,83	-

			<p>;17TH EUROPEAN SYMPOSIUM ON COMPUTER AIDED PROCESS ENGINEERING Book Series: Computer-Aided Chemical Engineering Volume: 24 Pages: 213-218 Published: 2007 IF: 0,25</p> <p>36. Paraschiv, N., A method of testing the evolved automatic control models of fractionating processes , REVISTA DE CHIMIE Volume: 54 Issue: 5 Pages: 424-430 Published: MAY 2003 , IF: 1,412</p> <p>37. Marinoiu V., Paraschiv N., Patrascioiu C., Advanced control system for crude oil plant - A case study , Conference: European Symposium on Computer Aided Process Engineering - 6 (ESCAPE-6) Location: RHODES, GREECE Date: MAY 26-29, 1996 , Sponsor(s): Working Party Comp Aided Proc Engn; European Federat Chem Engn . COMPUTERS & CHEMICAL ENGINEERING Volume: 20 Supplement: B Pages: S1125-S1129 Published: 1996 IF: 3,113 ZONA ROSIE!!!</p> <p>38. Paraschiv N., Cirtoaje, V., Evaluated automated-system for the chemical-processing propene separation process .2. Industrial implementation, REVISTA DE CHIMIE Volume: 43 Issue: 7 Pages: 390-397 Published: JUL 1992, IF: 1,412</p> <p>39. Marinoiu V., Paraschiv, N., Advanced automated-system for the chemization propene separation process .1. System structure, REVISTA DE CHIMIE Volume: 42 Issue: 8-9 Pages: 437-442 Published: AUG-SEP 1991, IF: 1,412</p> <p>40. Paraschiv, N., Analytical form of gilliland graphical correlation meant for advanced automatic drive of functioning processes , REVISTA DE CHIMIE Volume: 41 Issue: 7-8 Pages: 591-596 Published: JUL-AUG 1990, IF: 1,412</p> <p>41. Marinoiu V., Paraschiv N., Pătrăscioiu C. - Conducerea cu calculatorul a procesului de separare a propenei, REVISTA DE CHIMIE Volume: 36 Issue: 11 pp. 990-994, Published: NOV 1986, IF: 1,412</p> <p>42. Paraschiv N., Ceapa Gh., Soare D., Marinoiu V., A hierarchical control approach to a fluid catalytic cracking unit, CONTROL ENGINEERING AND APPLIED INFORMATICS, Volume 3, ISSUE: 4, pp. 27-44, Published: DEC 2001.http://ceai.srait.ro/index.php/ceai/issue/view/7 IF: 0,698</p> <p>43. Olteanu M., Paraschiv N., Identification method based on NARMAX polynomials, 2015 19th International Conference on System Theory, Control and Computing (ICSTCC), Cheile Gradistei, 2015, pp. 907-911. doi: 10.1109/ICSTCC.2015.7321410 IF: 0,25</p>	IF = 1,412 Naut = 1	67,36	-
			<p>44. Cangea, O., Paraschiv, N. Chaos-based cryptography for color images, 2018 22nd International Conference on System Theory, Control and Computing, ICSTCC 2018 - Proceedings, art. no. 8540650, pp. 510-515, IF: 0,25 https://www.scopus.com/inward/record.uri?eid=2-s2.0-85059965041&doi=10.1109%2fICSTCC.2018.8540650&partnerID=40&md5=fa93d9c032900deb87fff8fafd545410</p>	IF = 0,25 Naut = 2	16,25	16,25
			<p>45. Rosca, C.M., Paraschiv, N., Comparative analysis among frequency sampling algorithm applied in microwave measurements, 2018 22nd International Conference on System Theory, Control and Computing, ICSTCC 2018 - Proceedings, art. no. 8540696, pp. 816-821., IF: 0,25 https://www.scopus.com/inward/record.uri?eid=2-s2.0-85059950958&doi=10.1109%2fICSTCC.2018.8540696&partnerID=40&md5=03eccde516cd383dc9acdaf3a167abb4</p>	IF = 0,25 Naut = 2	16,25	16,25
			<p style="text-align: center;">Total puncte din articole ISI – Indicator A2.1</p>		871,94	307,71
					IF = 35,087	IF= 9,492
					20 / nr. autori	
Activitatea de cercetare (A2)	Articole in reviste, si în volumele unor manifestări științifice	A2.2	<p>1. Paraschiv N., Pricop E., Fattahi J., Zamfir F., <i>Towards a reliable approach on scaling in data acquisition</i>, pag. 84-88 DOI: https://doi.org/10.1109/ICSTCC.2019.8886145, Proceedings of the 23rd International Conference on System Theory, Control and Computing (ICSTCC 2019) (Indexat IEEE Xplore, e-ISBN: 978-1-7281-0699-1 ISSN: 2372-1618)</p> <p>2. Nguyen Hoang Viet, Paraschiv N., <i>Finite State Predictive Torque Control with Switching Table for Induction Motors</i></p>	Naut = 4	5	5
				Naut = 2	10	10

	indexate in alte baze de date internaționale recunoscute (BDI)	<p><i>Fed by 3L-NPC Inverter</i> pag. 73-78, DOI: https://doi.org/10.1109/ICSTCC.2019.8885640, Proceedings of the 23rd International Conference on System Theory, Control and Computing (ICSTCC 2019) (Indexat IEEE Xplore, e-ISBN: 978-1-7281-0699-1, ISSN: 2372-1618).</p> <p>3. Zamfir F., Paraschiv N., Pricop E., <i>Real-time stock analysis for blending recipes in industrial plants</i>, pag. 79-83, DOI: https://doi.org/10.1109/ICSTCC.2019.8886147, Proceedings of the 23rd International Conference on System Theory, Control and Computing (ICSTCC 2019), (Indexat IEEE Xplore, e-ISBN: 978-1-7281-0699-1, ISSN: 2372-1618)</p> <p>4. Nguyen Hoang Viet, Vu Minh Hung, Paraschiv N., <i>FS-PTC with Switching Table for Matrix Converter in Induction Motors Drive Systems</i>, pag. 298-303, DOI: https://doi.org/10.1109/ISEE2.2019.8921128, Proceedings of the 2019 International Symposium on Electrica land Electronics Engineering (ISEE), (Indexat IEEE Xplore, e-ISBN: 978-1-7281-5353-7)</p> <p>5. Minh Anh Cao, Pătrășcioiu C., Paraschiv N., <i>Modeling and dynamic simulation of propane-propylene distillation column with heat pump using Aspen Hysys</i>, Pag. 89-94, DOI: https://doi.org/10.1109/ICSTCC.2019.8885835, Proceedings of the 23rd International Conference on System Theory, Control and Computing (ICSTCC 2019) (Indexat IEEE Xplore, e-ISBN: 978-1-7281-0699-1, ISSN: 2372-1618)</p> <p>6. Hung, V.M., Mihai, V., Dragana, C., Ion, I., Paraschiv, N., <i>Dynamic computation of haptic-robot devices for control of a surgical training system</i>, (2018) International Journal of Computing, 17 (2), pp. 81-93, https://www.scopus.com/inward/record.uri?eid=2-s2.0-85049392074&partnerID=40&md5=d27cb332673cb5a0878cd422c70342a3 Indexat SCOPUS</p> <p>7. Nicoara E.S., Paraschiv N., Filip F. Gh., <i>A hierarchical model for multiple range production systems</i>, IFAC World Congress 2014, Volume # 19 Part# 1, Pages: 833-838, Location: Cape Town International Convention Centre, Cape Town, South Africa, DOI: 10.3182/20140824-6-ZA-1003.01025,http://www.ifac-papersonline.net/Detailed/65473.html Indexat SCOPUS</p> <p>8. Popescu M., Paraschiv N., <i>Remote laboratory for learning in control engineering</i> (Conference Paper), IFAC Proceedings Volumes (IFAC-PapersOnline) Volume 10, Issue PART 1, 2013, Pages 333-338, 10th IFAC Symposium on Advances in Control Education, ACE 2013; Sheffield; United Kingdom; 28 August 2013 through 30 August 2013; Code 99968, http://www.scopus.com.ux4l8xu6v.useaccesscontrol.com/record/display.url?eid=2-s2.0-84885233014&origin=resultslist&sort=plf-f&src=s&st1=Paraschiv+N*&sid=4F3177C892B8DDA137A23074028B7759.aXczxbvuHHiXgalW6Ho7g%3a20&sot=b&sl=25&s=AUTHOR-NAME%28Paraschiv+N*%29 Indexat SCOPUS</p> <p>9. Cangea O., Paraschiv N., Popescu C., <i>Designing a control structure for discrete event systems described by petri nets</i> (Conference Paper), Annals of DAAAM and Proceedings of the International DAAAM Symposium 2010,Zadar, Pages 679-680, ISSN 1726-9679, Code 106301. http://www.scopus.com.ux4l8xu6v.useaccesscontrol.com/record/display.url?eid=2-s2.0-84904410846&origin=resultslist&sort=plf-f&src=s&st1=Paraschiv+N*&nl0=&nls=&sid=935BA07F0EBBED815A173A23DA032B6A.euC1gMODexYIPkOec4u1Q%3a40&sot=b&sdt=b&sl=25&s=AUTHOR-NAME%28Paraschiv+N*%29&relpos=12&relpos=12&citeCnt=0&searchTerm=AUTHOR-NAME%28Paraschiv+N*%29 Indexat SCOPUS</p> <p>10. Popescu C., Paraschiv N., Cangea O., <i>Comparison between PID and fuzzy controllers used in mobile robot control</i> (Conference Paper), Annals of DAAAM and Proceedings of the International DAAAM Symposium, 2011,Vienna, Pages 223-224, ISSN 1726-9679, Code 106302. http://www.scopus.com.ux4l8xu6v.useaccesscontrol.com/record/display.url?eid=2-s2.0-84904293804&origin=resultslist&sort=plf-f&src=s&st1=Paraschiv+N*&nl0=&nls=&sid=935BA07F0EBBED815A173A23DA032B6A.euC1gMODexYIPkOec4u1Q%3a40&sot=b&sdt=b&sl=25&s=AUTHOR-NAME%28Paraschiv+N*%29&relpos=12&relpos=12&citeCnt=0&searchTerm=AUTHOR-NAME%28Paraschiv+N*%29</p>	Naut = 3	6,67	6,67
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			f&src=s&st1=Paraschiv+N*&nlo=&nlr=&nls=&sid=935BA07F0EBBED815A173A23DA032B6A.euC1gMODexYIPkQec4u1Q%3a40&sot=b&sdt=b&sl=25&s=AUTHOR-NAME%28Paraschiv+N*%29&relpos=10&relpos=10&citeCnt=0&searchTerm=AUTHOR-NAME%28Paraschiv+N*%29&Indexat=SCOPUS					
			Total puncte din articole BDI – Indicator A2.2				63,95	33,85
Proprietate intelectuală, brevete de invenție, certificate ORDA	A.2.3.1	Internationale		35/ nr. autori				
	A.2.3.2	Nationale (OSIM)		-	-			
	A2.4.1.1	Internationale		25 /nr. autori				
	A2.4.1.2	Nationale		-	-			
Granturi / proiecte de cercetare câștigate prin competiție Contracte cu agenți economici, în valoare de minim 10000 USD echivalent	Director /responsabil partener	1. PNII –Modelare și conducere automată utilizând instrumente ale inteligenței artificiale pentru aplicații în chimie și inginerie chimică – INTELCHIM. Durată 5 ani: perioada 2007 – 2011.Competiție națională.	20 * ani desfașurare	5 ani	50	-		
		2. PNII - Sisteme, echipamente , tehnologii și tehnici avansate destinate creșterii gradului de protecție a infrastructurii și obiectivelor de interes public – AVPROT. Durată 5 ani: perioada 2007 – 2011.Competiție națională.		5 ani	50	-		
		3. CEEX - Echipamente și sisteme biometrice de identificare și autentificare a persoanelor pentru autorizarea accesului în rețelele informaticе și obiectivele de importanță majoră – AMPRENTA. Durată 5 ani: perioada 2006 – 2007.Competiție națională		2 ani	20	-		
		4. CEEX - Tehnologie, asistata de calculator , pentru obtinerea unor uleiuri pentru prelucrarea metalelor, compatibile cu mediul, utilizate in industria constructoare de masini- CUTOIL. Durată 5 ani: perioada 2006 – 2010.Competiție națională.		5 ani	50	-		
		5. Integrarea soluțiilor de dispecerizare a consumurilor de energie electrică, abur și utilități în vederea configurării funcțiilor dispeceratului energetic și de utilitate al rafinăriei Petrobrazi. Durată 1 an – 2004. Competiție la nivelul sucursalei Petrobrazi.		1an	10	-		
		6. Sistem informatic destinat procesării în timp real a informațiilor furnizate de aparatura inteligentă de laborator a rafinăriei Petrobrazi. Durată 1 an – 2004. Competiție la nivelul sucursalei Petrobrazi.		1 an	10	-		
		7. Studiu de soluție pentru dispecerizarea consumului de energie electrică pe platforma Petrobrazi. Durată 2 ani : perioada 2002– 2003. Competiție la nivelul sucursalei Petrobrazi		2 ani	20	-		
		8. Structuri de conducere automata evoluata pentru instalatia GASCON – instalatia de Cracare catalitica – Platforma Petrobrazi. Durată 1 an - 1999 : Competiție la nivelul sucursalei Petrobrazi .		1 an	10	-		
		9. Sistem de programe pentru conducerea automată evoluată a instalatiei DA din Rafinăria Onești . Durată 3 ani – 1997-1999 : Competiție la nivelul SC RAFO SA Onești		3 ani	30	-		
		10. Sistem de monitorizare informatizata a parametrilor tehnologici de la cuptoarele de tratament termic secundar sector TT de la Uztel. Durată 1 an – 2002 : Competiție la nivelul S.C. UZTEL S.A. Ploiești		1 an	10	-		
Total puncte din 11 proiecte naționale coordonate – Indicator A2.4.1.2				270				

	încasați		A2.4.2. 1.	Internationale 1. Generarea hărților electronice de navigație pentru sectorul românesc al Dunării – parteneriat Universitatea Stuttgart – Universitatra Petrol-Gaze din Ploiești Durată 4 ani – 1996-1999 : Competiție la nivelul GTZ - Gesellschaft für Technische Zusammenarbeit - Germania	4 * ani desfășurare		-
				Total puncte din 1 proiect internațional - membru – Indicator A2.4.2.1			
					16		-
	Membru în echipă		A2.4.2. 2.	Naționale 1. CEEX - Echipamente și sisteme biometrice de identificare și autentificare a persoanelor pentru autorizarea accesului în rețelele informaticice și obiectivele de importanță majoră – AMPRENTA. Durată 5 ani: perioada 2008 – 2010.Competiție națională 2. Impactul masuratorilor eronate și a buclelor de reglare defecte asupra stării stabile a procesului de pe platforma RC2, OMV Petrom, sucursala Petrobrazi.. Durată 2 ani – 2011-2012 : Competiție la nivelul OMV Petrom, sucursala Petrobrazi 3. Baza de date a U.P.G. Ploiești și World Wide Web Site. Durată 2 ani – 2001-2002 : Competiție națională organizată de către CNCSIS. 4. Studiu influenței umididității gazelor naturale asupra corectitudinii măsurării cantităților acestora la stațiile de predare primire și a promovării și implementării metodelor de corecție. Durată 1 an – 2002. Competiție la nivelul S.C. TRANSGAZ S.A. Mediaș. 5. Conducerea automată a proceselor petrochimice - Cercetarea dinamicii unei coloane de separare a amestecului binar propenă-propan. Investigarea structurilor de reglare automată a calității produselor separate. Durată 2 ani – 1992-1993 : Competiție națională organizată de către Ministerul Învățământului și Științei - Departamentul Științei	2 * ani desfășurare		-
				Total puncte din 5 proiecte naționale - membru – Indicator A2.4.2.2			
					20		-
				Total puncte din granturi/proiecte de cercetare– Indicator A2.4			
					306		-
TOTAL A2				Total puncte pentru activitatea de cercetare – criteriu A2	1241,89		341,56
Recunoaște rea și impactul activității (A3)	Citări în cărți, reviste și volume ale unor manifestări științifice (pînă în anul 2014)	A3.1	A3.1.1	Cărți, ISI 1. Lucrare citată: Nicoara, E.S., Filip F. Gh., Paraschiv N., Simulation-based Optimization Using Genetic Algorithms for Multi-objective Flexible JSSP , STUDIES IN INFORMATICS AND CONTROL Volume: 20 Issue: 4 Pages: 333-344 Published: DEC 2011 Lucrare care citează: Artificial bee colony (ABC) algorithm for constrained optimization improved with genetic operators; N Bacanin, M Tuba - Studies in Informatics and Control, 2012 - sic.ici.ro Ref. http://sic.ici.ro/sic2012_2/art03.php	8/ nr. aut. articol citat		-
				2. Lucrare citată: Idem Lucrare care citează: Gravitational search algorithm-based design of fuzzy control systems with a reduced parametric sensitivity ; RC David, RE Precup, EM Petriu, MB Rădac... - Information Sciences, 2013 – Elsevier Ref. http://www.sciencedirect.com/science/article/pii/S0020025513004222	ISI	2,67	-
				3. Lucrare Citată: Idem Lucrare care citează: Parallelized Multiple Swarm Artificial Bee Colony Algorithm (MS-ABC) For Global Optimization M Subotic, M Tuba - Studies In Informatics And Control, 2014 - Sic.Ici.Ro Ref. Http://Www.Sic.Ici.Ro/Sic2014_1/Art12.Pdf	ISI	2,67	-

		<p>4. Lucrare Citată: Idem Lucrare care citează: A Hybrid Simulation And Genetic Algorithm Approach To Determine The Optimal Scheduling Templates For Open Access Clinics Admitting Walk-In Patients <u>Y Peng, X Qu, J Shi - Computers & Industrial Engineering, 2014 - Elsevier</u> Ref. Http://Www.Sciedirect.Com/Science/Article/Pii/S0360835214001119#</p>	ISI	2,67	-
		<p>5. Lucrare Citată: Idem Lucrare care citează: Correction Of Meshless FPM Interpolation Sub-Domains Using Genetic Algorithms <u>L Perez, F Perez, O Durán - STUDIES IN INFORMATICS AND CONTROL, 2012 - Sic.Ici.Ro</u> Ref. Http://Sic.Ici.Ro/Sic2012_2/Art09.Php</p>	ISI	2,67	-
		<p>6. Lucrare Citată: Marinoiu V., Paraschiv N., Automatizarea proceselor chimice, Editura Tehnică, Bucureşti, 1992. Lucrare care citează: Modeling a nonlinear binary distillation column, AS Baiesu - Journal of Control Engineering and Applied Informatics, 2011 - ceai.srait.ro Ref. http://www.ceai.srait.ro/index.php/ceai/article/view/1161</p>	ISI	4	-
		<p>7. Lucrare Citată: Idem Lucrare care citează: An original approach for the dynamic simulation of a crude oil distillation plant, <u>G Radulescu - Revista de Chimie, 2007 - revistadechimie.ro</u> Ref. http://revistadechimie.ro/pdf/2_2007_26.pdf</p>	ISI	4	-
		<p>8. Lucrare Citată: Idem Lucrare care citează: Controlling a Complex Propylene-Propane Distillation Column using a Robust Method Suitable for Simple Processes, AS Baiesu - REVISTA DE CHIMIE, 2013 - revistadechimie.ro Ref. http://www.revistadechimie.ro/pdf/BAIESU.pdf%204%2013.pdf</p>	ISI	4	-
		<p>9. Lucrare Citată: Rădulescu G., Gangadwala J., Paraschiv N., <i>Dynamics of reactive distillation processes with potential liquid phase splitting based on equilibrium stage models</i>, COMPUTERS & CHEMICAL ENGINEERING Volume: 33 Issue: 3 Special Issue: SI Pages: 590-597 Published: MAR 20 2009 Lucrare care citează: Optimal design of staged three-phase reactive distillation columns using nonequilibrium and orthogonal collocation models, T Damartzis, P Seferlis - Industrial & Engineering Chemistry ..., 2010 - ACS Publications Ref. http://pubs.acs.org/doi/abs/10.1021/ie901260b</p>	ISI	2,67	-
		<p>10. Lucrare Citată: Idem Lucrare care citează: Dynamic simulation of fluids in vessels via entropy maximization <u>M Castier - Journal of Industrial and Engineering Chemistry, 2010 - Elsevier</u> Ref. http://www.sciedirect.com/science/article/pii/S1226086X10000080</p>	ISI	2,67	-
		<p>11. Lucrare Citată: Idem Lucrare care citează: The design and control of distillation column with side reactors for chlorobenzene production <u>BO Cuime, T Jihai, BAI Yangjin, Q Xu... - Chinese Journal of ..., 2012 - Elsevier</u> Ref. http://www.sciedirect.com/science/article/pii/S1004954112605953</p>	ISI	2,67	-
		<p>12. Lucrare Citată: Marinoiu V., Paraschiv N., Patrascioiu C., <i>Advanced Control System For Crude Oil Plant - A Case Study</i>, Conference: European Symposium On Computer Aided Process Engineering - 6 (Escape-6) Location: Rhodes, Greece Date: May 26-29, 1996, <u>Computers & Chemical Engineering</u> Volume: 20 Supplement: B Pages: S1125-S1129 Published: 1996. Lucrare care Citează: Hms Lababidi, S Kotob, B Yousuf - Computers & Chemical Engineering, 2002 - Elsevier Ref. Http://Www.Sciedirect.Com/Science/Journal/00981354/26/9</p>	ISI	2,67	-
		<p>13. Lucrare Citată: Idem Lucrare care citează: Constrained Model Predictive Control For A Pilot Hydrotreating Plant, <u>Hms Lababidi, Im Alatiqi, Yi Ali - Chemical Engineering Research And ..., 2004 - Elsevier</u> Ref. Http://Www.Sciedirect.Com/Science/Article/Pii/S0263876204726179</p>	ISI	2,67	-
		<p>14. Lucrare Citată: Idem</p>	ISI	2,67	-

		<p>Lucrare care citează: Adaptive Predictive Control Of The Sulfur Recovery Process At Pemex Cadereyta Refinery A Raimondi, A Favela, R Estrada... - ... Journal Of Adaptive ..., 2012 - Wiley Online Library Ref. Http://Onlinelibrary.Wiley.Com/Doi/10.1002/Acs.2282/Abstract;Jsessionid=E2cea3c12291d56560c536b39d2a245d.F03t04?Deniedaccesstomisedmessage=&Userisauthenticated=False</p> <p>15. Lucrare Citată: Idem Lucrare care citează: Adex Optimized Adaptive Control System For The Sulfur Recovery Process At Pemex Cadereyta Refinery Jm Martín-Sánchez, J Rodellar - Adex Optimized Adaptive Controllers ..., 2015 - Springer Ref. Http://Link.Springer.Com/Chapter/10.1007/978-3-319-09794-7_13#</p>		
		<p>16. Lucrare Citată: Cangea O., Paraschiv N., Popescu C., <i>Designing A Control Structure For Discrete Event Systems Described By Petri Nets</i>, Annals of DAAAM & Proceedings, 2010 Lucrare care citează: Process control system considering the machines functional flexibilities, OL Asato, GM Dobrianskyj, F Junqueira... - ... Innovation for Value ..., 2012 - Springer Ref. http://link.springer.com/chapter/10.1007/978-3-642-28255-3_15#</p>	Carte	2,67
		<p>17. Lucrare Citată: Paraschiv N., Melinte T., Pricop E., <i>Considerations about RFID Systems Vulnerabilities</i>, Buletinul Universitatii Petrol-Gaze din Ploiesti,Seria Tehnică, Vol LXI • No. 3/2009 (Special Issue SPC 2009). Lucrare care citează: System for the Management of Raw Materials Based on RFID Technology, O Ionescu, GC Ionescu - Applied Mechanics and Materials, 2013 - Trans Tech Publ Ref. http://www.scientific.net/AMM.371.797</p>	Carte	2,67
		<p>18. Lucrare Citată: Paraschiv N., Rădulescu G., <i>Introducere în știința sistemelor și calculatoarelor</i>, Editura MatrixRom, Bucuresti, 2007. Lucrare care citează: SADM-An Automated System Based on Data Mining for Credit Scoring,, Ioniță I., <i>Studies in Informatics and Control</i>, ISSN 1220-1766, vol. 22 (4), pp. 291-298, 2013. Ref. http://sic.ici.ro/sic2013_4/art04.php</p>	ISI	2,67
		<p>19. Lucrare Citată: Popa, C.R.; Paraschiv, N. Robustness Improvement in Operating the Reactor - Regenerator Group for the Catalytic Cracking Unit Using Advanced Automation. Rev. Chim. 2015, 66, 746–749. Lucrare care citează: Dragomir, R., Rosca P, Popa C. <i>Five-Lump Kinetic Model for the Catalytic Cracking Process</i>, Rev. Chim. 2018, vol. 69, issue 10, pages 2633-2637 Ref. https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=CitedRefIndex&qid=5&SID=C3VAvNDNpbEj4vdPjIo&page=1&doc=1&cacheurlFromRightClick=no</p>	ISI	4
		<p>20. Lucrare Citată: Marinoiu V., Paraschiv N., Pătrășcioiu C. - Conducerea cu calculatorul a procesului de separare a propenei (Propene separation process controlled by a computer), REVISTA DE CHIMIE Volume: 36 Issue: 11 pp. 990-994, Published: NOV 1986 Lucrare care citează: Patrascioiu C., Popescu M. <i>Study of the Control Systems of a Distillation Process Equipped with Heat Pump</i>, REVISTA DE CHIMIE, Volum: 69, Issue 9, Pages 2535-2540 Ref. https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=CitedRefIndex&qid=5&SID=C3VAvNDNpbEj4vdPjIo&page=1&doc=2&cacheurlFromRightClick=no</p>	ISI	2.67
		<p>21 Lucrare Citată: Mihaescu D., Paraschiv N., Patrascioiu C., Baiesu A., Advanced Control System for a Refinery Hydrogen Sulphide Absorption Plant; REVISTA DE CHIMIE Volume: 64 Issue: 9 Pages: 1028-1036 Published: SEP 2013 Lucrare care citează: Marinoiu V., Paraschiv N., Pătrășcioiu C. - Conducerea cu calculatorul a procesului de separare a propenei (Propene separation process controlled by a computer), REVISTA DE CHIMIE Volume: 36 Issue: 11 pp. 990-994, Published: NOV 1986</p>	ISI	2

		<p>Ref. https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=CitedRefIndex&qid=5&SID=C3VAvNDNpbEj4vdPjIo&page=1&doc=2&cacheurlFromRightClick=no</p>			
		<p>22 Lucrare Citată: Mihalache S.F., Patrascioiu C., Paraschiv, N., Pilot Plant for Testing Control Configurations of Binary Distillation Columns , REVISTA DE CHIMIE Volume: 59 Issue: 8 Pages: 926-929 Published: AUG 2008 Lucrare care citează: Popescu M., Distillation Column Hierarchical Control, REVISTA DE CHIMIE, Volume: 69, Issue: 9, Pages:2585-2590, Published SEP 2018 Ref. https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=CitedRefIndex&qid=5&SID=C3VAvNDNpbEj4vdPjIo&page=1&doc=3&cacheurlFromRightClick=no</p>	ISI	2.67	2,67
		<p>24 Lucrare Citată: Hung, V.M.; Stamatescu, I.; Dragana, C.; Paraschiv, N. Comparison of model reference adaptive control and cascade PID control for ASTank2. In Proceedings of the Proceedings of the 2017 IEEE 9th International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications, IDAACS 2017; 2017; Vol. 2, pp. 1137-1143. Lucrare care citează: Wang ZX, Zhang B, Li XT, Zhang ST, <i>Study on application of model reference adaptive control in fast steering mirror system</i>, OPTIK, Vol. 172, Pages 995-1002, 2018 Ref. https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=CitedRefIndex&qid=5&SID=C3VAvNDNpbEj4vdPjIo&page=1&doc=4&cacheurlFromRightClick=no</p>	ISI	2	2,67
		<p>25 Lucrare Citată: Radulescu G., Paraschiv N., Kienle A., <i>An original approach for the dynamic simulation of a crude oil distillation plant - 2. Setting-up and testing the simulator</i>, REVISTA DE CHIMIE Volume: 58 Issue: 3 Pages: 349-354 Published: MAR 2007 Lucrare care citează: Radulescu G., Dumitru I, <i>Modern Dynamic Simulation of a Crude Oil Plant System's Response when Closing the Side Products' Quality Control Loops</i>, Revista de Chimie, Vol. 69, Issue 8, Pages 1967-1971, AUGUST 2018 Ref. https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=CitedRefIndex&qid=5&SID=C3VAvNDNpbEj4vdPjIo&page=1&doc=5&cacheurlFromRightClick=no ori</p>	ISI	2.67	2,67
		<p>26. Lucrare citată: Hung V.M., Stamatescu I., Drăgana C., Paraschiv N., <i>Comparison of Model Reference Adaptive Control and Cascade PID Control for ASTank2</i>, Proceedings of the 2017 9th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS 2017) – Vol. 2, pag. 1137-1143, Lucrare care citează: Wang, Z.X., Zhang B., Li, X.T., Zhang S.T., <i>Study on application of model reference adaptive control in fast steering mirror system</i>, OPTIK, Vol. 172, Pag. 995-1002, 2018, DOI:10.1016/j.jleo.2018.07.095 Ref. https://doi.org/10.1016/j.jleo.2018.07.095</p>	ISI	2	2
		<p>27. Lucrare citată: . Lucrare citată: Hung V.M., Stamatescu I., Drăgana C., Paraschiv N., <i>Comparison of Model Reference Adaptive Control and Cascade PID Control for ASTank2</i>, Proceedings of the 2017 9th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS 2017) – Vol. 2, pag. 1137-1143 Lucrare care citează: Ali, MM., Youssef, AR., Ali, AS., Abdel-Jaber, GT. <i>Variable step size PO MPPT algorithm using model reference adaptive control for optimal power extraction</i> International Transactions on Electrical Energy Systems, Art. number e12151, July 2019, DOI: 10.1002/2050-7038.12151 Ref. https://doi.org/10.1002/2050-7038.12151</p>	ISI	2	2
		<p>28. Lucrare citată: Nicoara, E.S., Filip F. Gh., Paraschiv N., <i>Simulation-based Optimization Using Genetic Algorithms for Multi-objective Flexible JSSP</i>, STUDIES IN INFORMATICS AND CONTROL, Volume: 20 Issue: 4 Pages: 333-344 Published: DEC 2011 Lucrare care citează: Sun L., Lin L., Li H.J., Gen M., <i>Large scale flexible scheduling optimization by a distributed evolutionary algorithm</i>, Computers & Industrial Engineering, Vol. 128, Pag. 894-904, Feb. 2019, DOI: 10.1016/j.cie.2018.09.025</p>	ISI	2.67	2,67

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		<p>38. Lucrare Citată: Cangea O., Paraschiv N., Popescu C., <i>Designing A Control Structure For Discrete Event Systems Described By Petri Nets</i>, Annals of DAAAM & Proceedings, 2010</p> <p>Lucrare care citează: Control of productive systems with functional flexibility level OL Asato, F Junqueira... - ... (ETFA), 2011 IEEE ..., 2011 - ieeexplore.ieee.org</p> <p>Ref. http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=6059206&url=http%3A%2F%2Fieeexplore.ieee.org%2Fxppls%2Fabs_all.jsp%3Farnumber%3D6059206</p>	BDI 1,34 -	
		<p>39. Lucrare Citată: Rădulescu G., Gangadwala J., Paraschiv N. , <i>Dynamics of reactive distillation processes with potential liquid phase splitting based on equilibrium stage models</i>, COMPUTERS & CHEMICAL ENGINEERING Volume: 33 Issue: 3 Special Issue: SI Pages: 590-597 Published: MAR 20 2009</p> <p>Lucrare care citează: RFID Tags: The Solution of Tracking Inventory, A Smith - allisondsmith.com</p> <p>Ref. http://scholar.google.ro/scholar?oi=bibs&hl=ro&cites=14364776355925252042</p>	BDI 1,34 -	
		<p>40. Lucrare Citată: Popescu C., Paraschiv N., Cangea O., <i>Comparison Between PID and Fuzzy Controllers Used in Mobile Robot Control</i>, Annals of DAAAM & Proceedings, 2011.</p> <p>Lucrare care citează: The effects of membership function of the input and output fuzzy logic controller in a mobile robot's straight line navigation, RM Nor, A Suhaib, KS Talha, N Hassan... - ... Design (ICED), 2014 ..., 2014 - ieeexplore.ieee.org</p> <p>Ref. http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=7015769&url=http%3A%2F%2Fieeexplore.ieee.org%2Fxppls%2Fabs_all.jsp%3Farnumber%3D7015769</p>	BDI 1,34 -	
		<p>41. Lucrare Citată: Paraschiv, N., Baiesu, A., Stamatescu, G. <i>Using an Advanced Control Technique for Controlling a Distillation Column</i>. Book Group Author(s): IEEE Conference: IEEE International Conference on Control and Automation Location: Christchurch, NEW ZEALAND Date: DEC 09-11, 2009 ,Sponsor(s): IEEE , 2009 IEEE INTERNATIONAL CONFERENCE ON CONTROL AND AUTOMATION, VOLS 1-3 Book Series: IEEE International Conference on Control and Automation ICCA Pages: 581-584 Published: 2009</p> <p>Lucrare care citează: Identification of industrial water boiler for model predictive control of district heat plant V Vansovits, E Petlenkov, K Vassiljeva... - ... (BEC), 2012 13th ..., 2012 - ieeexplore.ieee.org</p> <p>Ref. http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=6376880&url=http%3A%2F%2Fieeexplore.ieee.org%2Fxppls%2Fabs_all.jsp%3Farnumber%3D6376880</p>	BDI 1,34 -	

		<p>42. Lucrare Citată: Baiesu A.S., Paraschiv N., Mihaescu D., <i>Using an internal model control method for a distillation column</i> , International Conference on Mechatronics and Automation (ICMA), 2011 , DOI: 10.1109/ICMA.2011.5986231, Publication Year: 2011 , Page(s): 1588 - 1593 , Cited by: Papers (1) , IEEE Conference Publications</p> <p>Lucrare care citeză: Mishra, R.K.; Dan, T.K. "Design of an Internal Model Control for SISO binary distillation column", <i>Emerging Trends in Computing, Communication and Nanotechnology (ICE-CCN), 2013 International Conference on</i>, On page(s): 666 – 669</p> <p>Ref. http://ieeexplore.ieee.org.ux4ll8xu6v.useaccesscontrol.com/xpl/abstractCitations.jsp?tp=&arnumber=5986231&queryText%3Dparaschiv+nicolae</p>	BDI	1,34	-
		Total puncte din 42 de citări în articole indexate BDI– Indicator A3.1.2		66,22	-
		Total puncte din 67 de citări– Indicator A3.1		161,63	32,03
				10 / fiecare revistă/manifestare	
		1. Membru al International Scientific Committee of IWSSS (International Workshop on Systems Safety & Security for Automotive, Passengers & Goods Protection) – (Sinaia, Bucureşti, , Bucureşti, Ploieşti,Târgovişte) – Romania 2013,2014,2015,2016,2017 Ref. http://conferinte.upg-ploiesti.ro/iwsss/	5x10	50	30
		2. Membru al International Scientific Committee of ICSTCC 2015 (International Conference on System Theory, Control and Computing, Cheile Gradistei –Romania Ref http://www.aie.ugd.ro/icstcc/icstcc2015/	1x10	10	10
		3. Membru al International Scientific Committee of ICSTCC 2018 (International Conference on System Theory, Control and Computing–Sinaia, Romania Ref http://www.icstcc.ugd.ro/2018/	1x10	10	10
		Co-Chairman al 8th International Conference on Electronics, Computers and Artificial Intelligence – ECAI 2016, Romania http://www.ecai.ro	1 x 10	10	10
		Organizator și co-chairman al Sesiunii invitate Advanced topics in chemical process control: resilience, optimization and decision-making systems la 23rd International Conference on System Theory, Control and Computing – ICSTCC 2019, Sinaia, Romania (http://icstcc2019.cs.upt.ro/authors/invited-sessions/)	1 x 10	10	10
		Co-Chairman International Scientific Committee al International Workshop on Systems Safety & Security – IWSSS 2013, 2014, 2015, 2016 (www.iwsss.org)	4 x 10	40	20
		Co-chair al Sesiunii invitate Advanced Topics in Process Control: Theoretical and Industrial Developments în cadrul IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS) 2017, Bucureşti, Romain (idaacs.net)	1x10	10	10
		Total puncte– Indicator A3.2		140	100

				6 / fiecare activitate		
Membru în colectivele de de redacție sau comitetele științifice ale revistelor indexate BDI, chair, co-chair sau membru în comitetele de organizare ale manifestărilor științifice internaționale indexate BDI	A3.3.	1. Membru al International Journal of Reasoning-based Intelligent Systems – Editorial Board-Japonia Ref. http://www.indecsience.com/jhome.php?jcode=ijris#edboard 2. Cochair of Process Control Session IEEE Conference: IEEE International Conference on Control and Automation Location: Christchurch, NEW ZEALAND Date: DEC 09-11, 2009 Ref. http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=5410214	1x6	6	6	
Premii în domeniu conferite de Academia Română, ASTR, AOSR sau premii internaționale de prestigiu	A3.4.	Total puncte– Indicator A3.3			12	6
TOTAL A3		Total puncte din recunoașterea și impactul activității– criteriul A3	313,63		138,03	

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 k_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 agrătă 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 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 articolelor 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 cotată ISI aflată printre primele 50% în cadrul subdomeniului (sau al uneia dintre subdomeniile) de acreditare ISI din punct de vedere al factorului de impact (zonele Q1-Q2 în notația ISI).

⁹ Nu se consideră calitatea de recenzor al unor articole individuale

Condiții minimale

Nr.crt.	Domeniul de activitate	Punctaj Impus (PI)	Punctaj Realizat (PR)	Criteriu îndeplinit (DA/NU)	5 ani (2015-2020)		
					Punctaj	% din PI	% din PR
A1	Activitate didactică / profesională (A1)	100	524,16	DA - Criteriu îndeplinit 524,16 %	33,85	33,85	6,45
A2	Activitatea de cercetare (A2)	600	1241,89	DA - Criteriu îndeplinit 206,98 %	341,56	56,92	27,50
A3	Recunoașterea impactului activității (A3)	150	313,63	DA - Criteriu îndeplinit 209,08 %	138,03	9,20	44,01
	TOTAL (A)	850	2079,68	DA - Condiții minimale îndeplinite 244,66 %	513,44	60,40	24,68

Condiții minime obligatorii pe subcategorii

Criteriu / condiție pe subcategorii		Impus	Realizat	Îndeplinit
A1.1.1 – A1.1.2	Cărți de specialitate	1 carte	17	Criteriu îndeplinit
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	42, 45 din care 3 în reviste cotate ISI Q1 sau Q2 (2 Q1 + 1 Q2)	Criteriu îndeplinit
A2.4.1.	Granturi / proiecte de cercetare câștigate prin competiție (Director / Responsabil partener)	2	11	Criteriu îndeplinit
A3.1.1	Număr de citări în cărți, reviste cotate ISI și volume ale unor manifestări științifice ISI (WOS)	25	35	Criteriu îndeplinit
	Factor de impact ISI cumulat pentru publicații	10	35,087	Criteriu îndeplinit

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Semnătura