UNIVERSITATEA PETROL - GAZE DIN PLOIEŞTI
FACULTATEA DE INGINERIE MECANICĂ ŞI ELECTRICĂ
DEPARTAMENTUL DE AUTOMATICĂ, CALCULATOARE ŞI ELECTRONICĂ
Concurs pentru ocuparea postului de şef de lucrări, poz. 24

Disciplinele postului: *Introducere în cibernetică, Introducere în ştiinţa sistemelor şi calculatoarelor, Programare orientată pe obiecte*

Domeniul: *Ştiinţe inginereşti (inclusiv Calculatoare, tehnologia informaţiei şi ingineria sistemelor)*

Candidata *Asist. Dr. Mat. Cărbureanu Mădălina*
îndeplineşte condiţiile minimale pentru prezentarea la concursul de ocupare a unui post de
Şef lucrări **aferent domeniului** *Ştiinţe inginereşti (inclusiv Calculatoare, tehnologia informaţiei şi ingineria sistemelor)*
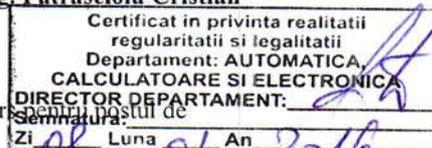
Director departament
Prof. univ. dr. ing. Pătrăscioiu Cristian

Certificat in privinta realitatii
regularitatii si legalitatii
Departament: AUTOMATICA,
CALCULATOARE SI ELECTRONICA
DIRECTOR DEPARTAMENT:
Semnatura:
Zi 08 Luna 01 An 2016

FIŞA DE VERIFICARE
a îndeplinirii standardelor universităţii de prezentare la concurs pentru postul de
Şef de lucrări

1. Studiile de doctorat

Nr. crt.	Instituţia organizatoare de doctorat	Domeniul	Perioada	Titlul ştiinţific acordat
1	Universitatea Petrol-Gaze din Ploieşti	Ingineria sistemelor	2009-2014	Doctor

2. Îndeplinirea standardelor minimale

Indicator			Punctaj acordat	Număr puncte care revin cand.	Punctaj realizat de candidat
A	A1	Tratate, monografii, cursuri universitare publicate în edituri de prestigiu din străinătate	PA1=ΣNpg		
		Cărţi publicate în edituri din Republica Moldova	PA1=Σ 0,5 Npg		
		1. N. Paraschiv, M. Oprea, **M. Cărbureanu**, M. Olteanu (co-autori) - *Computational Intelligence Techniques for Chemical Process Control* (Chaper 7), capitol în volumul *Innovations in Intelligent Machines-5. Computational Intelligence in Control Systems Engineering*, 2014, Vol. 561, pp. 191-226, Springer-Verlag Berlin Heidelberg, Germania, ISSN 1860-949X, ISBN 978-3-662-43369-0, DOI 10.1007/978-3-662-43370-6,(ISI WEB OF KNOWLEDGE). http://link.springer.com/chapter/10.1007%2F978-3-662-43370-6_7	36	PA1=9	
	A2	Tratate, monografii, cursuri universitare publicate în edituri naţionale recunoscute CNCSIS	PA2=Σ 0,5 Npg		
		1.Constanta-Nicoleta Bodea, Ioan I.Andone (coordonatori), I. Tudor, **M. Cărbureanu** (co-autori) – Tehnici de data mining în managementul cunoaşterii într-o universitate (Capitolul XXVI), capitol în volumul *Managementul cunoaşterii în universitatea modernă*, 2007, pp. 293-319, Editura ASE, Bucureşti, ISBN 978-973-594-953-2. http://opac.biblioteca.ase.ro/opac/bibliographic_view/162116;jsessionid=6D763AC9F3222A7DF7E8170C3D8C3A31	13	PA2=6.5	
	A3	Culegeri de probleme, îndrumare de laborator, îndrumare de proiect, publicate în edituri naţionale recunoscute CNCSIS	PA3=Σ 0,3 Npg		
		1. **Cărbureanu, M.**, *Introducere în cibernetică. Îndrumar de laborator*, Editura Universităţii Petrol-Gaze din Ploieşti, 2015, ISBN 978-973-719-632-3, 92 pag.	27.6	PA3=0.3*92 =**27.6**	
	A4	Coordonarea unor colective de autori ale unor lucrări publicate KA = 20 (cursuri universitare, tratate, monografii) KA = 10 (îndrumare de laborator, culegeri de probleme, îndrumare de proiect)	PA4=Σ KA		
		-	0	PA4=**0**	
		$P_A = P_{A1}+P_{A2}+P_{A3} + P_{A4}$		P_A =9+6.5+27.6=43.1	
B		Formula de calcul	PB=ΣKp/Naut		
		Articole publicate în reviste cotate ISI	Kp = 2500 x *factorul de impact*		

		1. **Cărbureanu M.**, *The Development of a Neuro-Fuzzy Expert System for Wastewater pH Control*, Journal of Control Engineering and Applied Informatics, 2014, Vol. 16, No. 4, pp. 30-41, ISSN 1454-8658. ISI IMPACT FACTOR: 0,537; SCOR RELATIV DE INFLUENȚĂ: 0.129 http://www.ceai.srait.ro/index.php?journal=ceai&page=article&op=view&path[]=2168	2500*0.537/1= 1342.5	**1342.5**
		2. **Cărbureanu, M**, Gheorghe, C., *pH Variation in the Presence of the Coagulants used in Oil-well Industry Wastewater Treatment*, Revista de chimie, 2014, Vol. 65, No. 12, pp. 1498-1501, ISSN 0034-7752. ISI IMPACT FACTOR: 0,810; SCOR RELATIV DE INFLUENȚĂ: 0.183 http://www.revistadechimie.ro/pdf/CARBUREANU%20M.pdf%2012%2014.pdf	2500*0.810/2= 1012.5	**1012.5**
		Articole publicate în reviste indexate ISI care nu au factor de impact	Kp = 250	
		-	0	**0**
		Articole publicate în reviste internaționale (din străinătate), necotate ISI, dar indexate în alte BDI sau publicate (*in extenso*, nu doar rezumatul) în volumele conferințelor internaționale indexate ISI	Kp = 150	
		1. Marinoiu, C., **Cărbureanu M.**, Oprea, M, *A Case Study of Using Statistical Software Instruments for Higher Education Quality Analysis*, The 6th International Seminar on Quality Management in Higher Education, CETEX, QMHE 2010 proceedings, 2010, Vol. 2, pp. 139-142, UNIV. TECH. GHEORGHE ASACHI IAȘI, ISBN:978-973-662-568-8. http://www.cetex.tuiasi.ro/qmhe2010/index.php, http://www.isiwebofknowledge.com/. http://apps.webofknowledge.com/Search.do?product=UA&SID=V18QE87KUs1oIVtXfAR&search_mode=GeneralSearch&prID=8e45bfd4-099e-4bef-8f55-0314911524b9	150	150/3=**50**
		2. Oprea, M., **Cărbureanu M.**, *An Expert System for University Research Quality Assesment*, The 6th International Seminar on Quality Management in Higher Education, CETEX, QMHE 2010 proceedings, 2010, Vol. 2, pp. 195-198, UNIV. TECH. GHEORGHE ASACHI IAȘI, ISBN:978-973-662-568-8, http://www.cetex.tuiasi.ro/qmhe2010/index.php, http://www.isiwebofknowledge.com/. http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=13&SID=V18QE87KUs1oIVtXfAR&page=1&doc=5	150	150/2=**75**
		3. **Cărbureanu M.**, *Digital Library "An Educational Process Tool"*, The 15th International Conference The Knowledge-Based Organization, 2009, Vol. 4, pp. 114-118, Editura Academiei Fortelor Terestre Nicolae-Balcescu, ISI CPCI, indexat ISI, ISSN: 1843-6722, http://www.armyacademy.ro/english/conferences.html http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=21&SID=V18QE87KUs1oIVtXfAR&page=1&doc=1	150	150/1=**150**
		4. Tudor, I., **Cărbureanu M.**, *Timetable planning using intelligent agents*, Proceedings of the 3rd International Conference on Virtual Learning, 2008, ICVL 2008, october 31- november 2, ISI Proceedings, pp. 335-342, Bucharest University Press, ISSN: 1844-8933. http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=23&SID=V18QE87KUs1oIVtXfAR&page=1&doc=7	150	150/2=**75**
		Articole publicate în reviste de specialitate recunoscute de CNCSIS anterior lunii mai 2011, categoria B+	Kp = 100	
		1. **Cărbureanu, M.**, Buruiană, V., *Intelligent Automatic pH Control System Based on Microcontrollers*, Petroleum-Gas University of Ploiesti Bulletin, Technical Series, 2013, Vol. LXV, No. 4, pp. 112-120, ISSN 1224-8495. http://www.bulletin.upg-ploiesti.ro/content.jsp?page=2170&language=2&pageType=T	100	100/2=**50**
		2. Mihalache, S., **Cărbureanu, M.**, *Fuzzy Logic Controller*	100	100/2=**50**

		Design for Tank Level Control, Petroleum-Gas University of Ploiesti Bulletin, Technical Series, 2014, Vol. LXVI, No. 3, pp. 57-62, ISSN 1224-8495. http://connection.ebscohost.com/c/articles/99674141/fuzzy-logic-controller-design-tank-level-control		
		3. Cărbureanu, M., *Wastewater pH Control Using Artificial Intelligence Techniques - A Comparative Study*, Petroleum-Gas University of Ploiesti Bulletin, Technical Series, 2013, Vol. LXV, No. 2, pp. 49-56, ISSN 1224-8495, http://www.bulletin.upg-ploiesti.ro/content.jsp?page=2151&language=2&pageType=T	100	100/1=**100**
		4. Cărbureanu, M., Cangea, O., *Experimental Identification of a Hydraulic Process Simulated on ASTANK 2 Integrated Laboratory Platform*, Petroleum-Gas University of Ploiesti Bulletin, Technical Series, 2013, Vol. LXV, No. 3, pp. 57-64 , ISSN 1224-8495. http://www.bulletin.upg-ploiesti.ro/content.jsp?page=2127&language=2&pageType=T	100	100/2=**50**
		5. Oprea, M., **Cărbureanu, M.**, Dragomir, E., *AirQMAS: A Collaborative Multi-agent System for Air Quality Analysis*, Annals of the University of Craiova, Series: Automation, Computers, Electronics and Mechatronics, 2012, Vol. 9 (36), No. 1, pp. 20-26, ISSN: 1841-0626. http://ace.ucv.ro/anale/2012_vol1/04_Oprea_Mihaela.pdf	100	100/3=**33.33**
		6. Cărbureanu, M., *The Wastewater pH Control Using an Artificial Intelligence Technique*, Petroleum-Gas University of Ploiesti Bulletin, Technical Series, 2012, Vol. LXIV, No. 3, pp. 83-93, ISSN 1224-8495. http://www.bulletin.upg-ploiesti.ro/content.jsp?page=2085&language=2&pageType=T	100	100/1=**100**
		7. Cărbureanu, M., *Pollution Level Analysis of a Wastewater Treatment Emissary using Data Mining*, Petroleum-Gas University of Ploiesti Bulletin, Mathematics-Informatics-Physics Series, 2010, Vol. LXII, No. 1, pp. 69-78, ISSN: 1224-4899. http://bmif.unde.ro/docs/20101/pdf_final_8%20MCarbureanu.pdf	100	100/1=**100**
		8. Cărbureanu, M., *Expert System for Assessing the Effluent's Quality of a Wastewater Treatment Plant*, Petroleum-Gas University of Ploiesti Bulletin, Mathematics-Informatics-Physics Series, 2010, Vol. LXII, No. 2, pp. 36-45, ISSN: 1224-4899. http://bmif.unde.ro/docs/20102/pdf_final_5%20Carbureanu.pdf	100	100/1=**100**
		9. Cărbureanu, M., *The Efficiency Level Analysis for the Wastewater Mechanical Treatment Process using Data Mining and Fuzzy Logic*, Petroleum-Gas University of Ploiesti Bulletin, Mathematics-Informatics-Physics Series, 2009, Vol. LXI, Nr. 2, pp.59-66, ISSN:1224-4899. http://bmif.unde.ro/docs/20092/8MCarbureanu.pdf	100	100/1=**100**
		10. Cărbureanu, M., The Analysis of Currency Exchange Rate Evolution using a Data Mining Technique, Petroleum-Gas University of Ploiesti Bulletin, Economical-Sciences Series, 2011, Vol. LXIII, No. 3, pp. 105-112, ISSN 2284-8576. http://www.upg-bulletin-se.ro/archive/2011-3/11.%20Carbureanu.pdf	100	100/1=**100**
		11. Tudor, I., **Cărbureanu, M.**, *Correspondence Analysis Application in the Banking System*, Petroleum-Gas University of Ploiesti Bulletin, Economic Sciences Series, 2010, Vol. LXII, No. 2, pp. 102-109, ISSN 2284-8576. http://www.upg-bulletin-se.ro/archive/2010-2/11.%20Carbureanu_Ionita.pdf	100	100/2=**50**
		12. Cărbureanu M., *The Annual Inflation Rate Analysis*	100	100/1=**100**

	Unsing Data Mining Techniques, Economic Insights-Trends and Challenges, 2012 , Vol. I (LXIV), No. 4, pp. 121-128, ISSN 2284-8576. http://www.upg-bulletin-se.ro/archive/2012-4/14.Carbureanu.pdf			
	Articole publicate în reviste de specialitate recunoscute de CNCSIS anterior lunii mai 2011, categoria B	Kp = 80		
	1. Cărbureanu M., *The calculation of the integrals using the Monte Carlo method*, Petroleum-Gas University of Ploiesti, Mathematics-Informatics-Physics Series, 2006, Vol LVIII, Nr.1,pp.65-72,ISSN:1224-4899. http://bmif.unde.ro/docs/20061/10%20CarbureanuM.pdf	80	80/1=**80**	
	2. Cărbureanu M., *The Calculation of the Integrals using the Sample Mean Method*, Petroleum-Gas University of Ploiesti, Mathematics-Informatics-Physics Series, 2006, Vol. LVIII, Nr. 2, pp. 79-86, ISSN:1224-4899. http://bmif.unde.ro/docs/20062/13%20CarbureanuM.pdf	80	80/1=**80**	
	3. Cărbureanu M., *The Divorce Rate Prediction using Data Mining Techniques*, Petroleum-Gas University of Ploiesti, Mathematics-Informatics-Physics Series, 2007, Vol. LIX, Nr. 2,pp.37-42,ISSN:1224-4899. http://bmif.unde.ro/docs/20072/Buletin_UPG_MIF_Nr2_2007-05.pdf	80	800/1=**80**	
	4. Cărbureanu M., *An Application on Social Domain using SAS*, Petroleum-Gas University of Ploiesti, Mathematics-Informatics-Physics Series, 2008, Vol. LX, Nr. 1, pp.57-62, ISSN:1224-4899 . http://bmif.unde.ro/docs/20081/8%20MCarbureanu.pdf	80	80/1=**80**	
	5. Tudor, I., **Cărbureanu M.**, *An example of expert system used in education field*, Petroleum-Gas University of Ploiesti, Mathematics-Informatics-Physics Series, 2007, Vol. LIX, Nr. 2, pp. 49-54, ISSN:1224-4899. http://www.bulletin.upg-ploiesti.ro/content.jsp?page=834&language=2&pageType=MIF	80	80/2=**40**	
	6. Tudor, I., **Cărbureanu M.**, *Data Mining Techniques in Knowledge Management in Academic Environment*, Petroleum-Gas University of Ploiesti, Mathematics-Informatics-Physics Series, 2007, Vol. LIX, Nr. 1, pp.29-34, ISSN:1224-4899. http://bmif.unde.ro/docs/20071/Buletin_UPG_MIF_Nr1_2007-05.pdf	80	80/2=**40**	
	7. Cărbureanu M., *A factor analysis method applied in development field*, Analele Universităţii "Constantin Brâncuşi" din Târgu Jiu, Seria Economie, 2010, Vol I., Nr. 1, pag. 187-194, Editura „Academica Brâncuşi" a Universităţii „Constantin Brâncuşi" din Târgu-Jiu, ISSN 2344-3685. http://econpapers.repec.org/article/cbujrnlec/y_3a2010_3av_3a1_3ap_3a187-194.htm	80	80/1=**80**	
	8. Cărbureanu M., *Automatic Systems for Wastewater pH Control-A Comparative Study*, Journal of Electrical Engineering, Electronics, Control and Computer Science, Issue 1, vol. 1, No. 1, pag. 33-43. http://jeeeccs.net/index.php/journal/issue/view/1	80	80/1=**80**	
	Articole publicate (*in extenso*, nu doar rezumatul) în volumele conferinţelor ştiinţifice internaţionale, neindexate ISI	Kp = 100		
	1. Cărbureanu M., Oprea, M., *Applying Computational Intelligence to Wastewater Treatment Performance Evaluation in the Case of Refineries*, ICPS'13, Convergence of Information Technologies and Control Methods with Power Systems, 2013, Preprints ICPS'13, pp. 103-108, International Federation of Automatic Control-IFAC, **www.IFAC-PapersOnLine.net website** , Digital Object Identifier (DOI) 10.3182/20130522-3-RO-4035.00002, ISBN 978-973-713-306-9. http://www.ifac-papersonline.net/Detailed/59789.html	100	100/2=**50**	
	2. Oprea,M., Dragomir,E., **Cărbureanu, M.**, *On the Use of Collaborative Intelligence in an Agent-based Environmental*	100	100/3=**33.33**	

		Monitoring and Analysis System, The 15th International Conference on System Theory, Control and Computing, ICSTCC 2011, IEEE Control Systems Society, Romanian Academy, SRAIT, ASTR, IEEEXplore database, http://www.ace.tuiasi.ro/icstcc2011/ index.html, pp. 421-426, 2011, ISBN 978-1-4577-1173-2. http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=608566 5&url=http%3A%2F%2Fieeexplore.ieee.org%2Fxpls%2Fabs_ all.jsp%3Farnumber%3D6085665		
		3. Cărbureanu, M., *An Expert System for Wastewater pH Control*, International Conference of Scientific Paper–AFASES 2012, Braşov, indexat EBSCO, ASCEDU- ASSOCIATION for RESEARCH and EDUCATION, Publishing House of "Henri Coandă", Air Force Academy, 2012, pp. 777-781, ISSN 2247-3173. http://www.afahc.ro/ro/afases/2012/eng/4.3/CARBUREANU_e xpert.pdf	100	100/1=**100**
		4. Cărbureanu, M., *The Monitoring of Wastewater pH using a Data Mining Technique*, International Conference of Scientific Paper–AFASES 2012, Braşov, indexat EBSCO, ASCEDU-ASSOCIATION for RESEARCH and EDUCATION, Publishing House of "Henri Coandă", Air Force Academy, 2012, pp. 781-784, ISSN 2247-3173. http://www.afahc.ro/ro/afases/2012/eng/4.3/CARBUREANU_ monitoring.pdf	100	100/1=**100**
		5. Cărbureanu, M., *A System for Monitoring the Effluent's Quality of an Industrial Wastewater Treatment Plant*, Proceedings of the 5th International Conference on Manufacturing Science and Education -MSE 2011 -Creative Thinking in Engineering and Academic Education, Editura Universităţii Lucian Blaga din Sibiu, 2011, Vol.I, pag.409-412, ISSN 1843-2522.	100	100/1=**100**
		6. Cărbureanu, M., *Simulators used for Treatment Processes Modelling*, Proceedings of the 5th International Conference on Manufacturing Science and Education - MSE 2011 - Creative Thinking in Engineering and Academic Education, Editura Universităţii Lucian Blaga din Sibiu, 2011, Vol.I, pag.413-416, ISSN 1843-2522.	100	100/1=**100**
		7. Cărbureanu, M., *A System with Fuzzy Logic for Analysing the Emissary Pollution Level of a Wastewater Treatment Plant*, Proceedings of CSCS-18- 18th International Conference on Control Systems and Computer Science, 2011, Vol. 1, pag. 413-420, Politehnica Press Publishing House, ISSN: 2066-4451. http://www.gbv.de/dms/tib-ub-hannover/67231407x.pdf	100	100/1=**100**
		8. Cărbureanu, M., *Using Principal Component Analysis in Wastewater Treatment Domain*, Proceedings of the International Scientific Conference ECO-TREND VIIth Edition , 2010, pag. 580-585, Academica Brancuşi Publishing House, ISBN 978-973-144-409-3.	100	100/1=**100**
		9. Cărbureanu, M., *The Modeling of a System with Fuzzy Logic for Air Pollution Level Control*, Proceedings of the 9th Balkan Conference on Operational Research BALCOR, 2009, pag.1-6, publisher EUROGEMA EXIM SRL, ISBN 973-86979-9-9.	100	100/1=**100**
		10. Cărbureanu, M., *Air pollutants dependence analysis for environmental quality evaluation*, Proceedings of the 4th International Conference on Manufacturing science and Education- MSE 2009, 2009, Vol. II, pag.211-214, Editura Universităţii „Lucian Blaga" din Sibiu, ISSN 1843-2522.	100	100/1=**100**
		11. Cărbureanu, M., *The implementation of an air pollution warning system using elements of fuzzy logic*, AFASES 2009- The International session of XI-th scientific papers, Scientific Research and Education in the Air Force, Ministry of Defense Henri Coanda, Air Force Academy, 2009, pag. 1043-1048, I.S.B.N. 978-973-8415-67-6.	100	100/1=**100**
		12. Cărbureanu, M., Tudor, I., *An Overview Of Data Mining Techniques To Improve The Quality Of Educational Process*, The 12th International Conference „The Knowledge Based Organization", 2007, pag.188-196, Land Forces Academy Publishing House, ISBN 978-973-7809-71-1.	100	100/2=**50**
		13. Cărbureanu, M., Tudor, I., *The management of research activities in the academic environment*, The 13th International Conference Knowledge Based Organisation, Land Forces Academy Publishing House, 2007, pag.137-143, ISSN 1843-6722.	100	100/2=**50**
		14. Cărbureanu, M., Tudor, I., *The Application of Data Mining Techniques in the field of Human Development*, The International Scientific Conference„ECO-Trend", IV edition,	100	100/2=**50**

		Annals of the University Constantin Brâncuși of Tg-Jiu, No. 1/2008, Vol. 4, ISSN 1842-4856.		
		15. Oprea, M., Tudor, I., **Cărbureanu, M.**, *Prediction of student professional evolution with data mining techniques*. Proceeding of the 8th International Conference on Informatics in Economy, ASE Bucuresti, 2007, pag. 572-577, ASE Publishing House, ISBN 978-973-594-921-1.	100	100/3=**33.33**
		16. **Cărbureanu, M.**, Tudor, I., *An Expert System Model for Students Knowledge Evaluation*, The annual international scientific conference of pedagogic staff and scientific researchers „Education and academic research structures of the knowledge-based society", 2008, Vol. I, Nr. XX, pag.387-392, ALMA MATER Publishing House, ISSN 1844-5381.	100	100/2=**50**
		17. **Cărbureanu, M.**, Petre, E., *The simulation of an Educational Platform*, The 14th International Scientific Conference Knowledge-Based Organization, 2008, pag. 118-125, „Nicolae Bălcescu" Land Forces Academy Publishing House, ISSN 1843-6722.	100	100/2=**50**
		18. Tudor, I., **Cărbureanu, M.**, *Data mining techniques used to predict the student professional orientation*. Proceedings of the international sesion of scientific papers „Education and scientific research at european standards", 2007, pag. 794-799, Henri Coanda Air Forcea Academy Publishing House, ISBN 978-973-8415-45-4.	100	100/2=**50**
		Articole publicate (*in extenso*, nu doar rezumatul) în volumele conferințelor științifice naționale	Kp = 50	
		1. Tudor, I., **Cărbureanu, M.**, *Utilizarea tehnicilor de data mining în comunitățile de învățământ virtual*, Proceedings of 5th National Conference on Virtual Learning, Ovidius University, Constanța, pp. 189-196, 2007. http://www.cniv.ro/2007/disc2/cniv/documente/pdf/sectiuneaB/7.pdf	50	50/2=**25**
		2. Tudor, I., **Cărbureanu, M.**, *Regresia liniară simplă ca aplicație în managementul cunoașterii în universități*, Universitatea Națională de Aparare Carol I, Spațiul Sud-European în Contextul Globalizării, Sesiunea de comunicări științifice cu participare internațională „Strategii XXI", Secțiunea 10 Management și Educație, Workshop, Managementul Cunoașterii în Universități, Editura Universității Naționale de Apărare "CAROL I", 2007, Vol. 2, pag.106-111, ISBN 978-973-663-547-3.	50	50/2=**25**
		3. **Cărbureanu, M.**, Tudor, I., *Un exemplu de sistem multi-agent pentru modelarea procesului didactic*, AFASES 2008-„Scientific Research and Education in Air Forces", Air Forces Academy Henri Coanda, 2008, Vol. I, pag. 682-689, ISBN: 978-973-8415-56-0. http://www.afahc.ro/afases/volum_afases_2008_1.pdf	50	50/2=**25**
		Lucrări/studii prezentate la manifestări științifice internaționale sau naționale cu comitet de program	Kp = 30	
		-	0	**0**
		Brevete de invenție, omologate de organisme internaționale (din străinătate) recunoscute	Kp = 7500	
		-	0	**0**
		Brevete de invenție, omologate de OSIM	Kp = 2500	
		-	0	**0**
		P$_B$		**P$_B$=5589.99**
C		Formula de calcul	PC1=ΣKf x Vc/5000xN aut	
	C1	Contracte realizate în ultimii 5 ani	Kf = 6 (director)	
			Kf = 2 (membru)	
		-	0	**0**
		Formula de calcul	PC2=ΣKf	
	C2	Contracte realizate în perioada anterioară ultimilor 5 ani	Kf = 3 (director)	
			Kf = 1 (membru)	
		1. CEEX P-CD 550, *UNI-C Strategii, sisteme, metode si instrumente pentru managementul cunoasterii in universitati*,	1	1

		August 2006-august 2008 (**membru**).		
		2. PN II, *Dezvoltarea unui laborator pentru aplicarea tehnologiilor CIM, ANCS*, 20, 85/2007, 2007-2008 (**membru**).	1	1
		$P_C = P_{C1}+P_{C2}$		$P_C=2$
D		Citări ale lucrărilor publicate; pentru fiecare citare se acordă **25 de puncte**		
		1. Lucrare citată: **Cărbureanu, M.**, *Pollution Level Analysis of a Wastewater Treatment Emissary using Data Mining*, Petroleum-Gas University of Ploiesti Bulletin, Mathematics-Informatics-Physics Series, 2010, Vol. LXII, No. 1, pp. 69-78, ISSN 1224-4899. http://bmif.unde.ro/docs/20101/pdf_final_8%20MCarbureanu.pdf **Lucrarea care citează:** **Evuti, A. M.**, *Development of a model for the estimation of water treatment cost: a data mining approach*, International Journal of Scientific & Engineering Research, 2013, Vol. 4, No. 4, pp. 610-615, ISSN 2229-5518. http://www.ijser.org/researchpaper/DEVELOPMENT-OF-A-MODEL-FOR-THE-ESTIMATION-OF-WATER-TREATMENT-COST-A-DATA-MINING-APPROACH.pdf	25	25
		2. Lucrare citată: **Cărbureanu, M.**, *Pollution Level Analysis of a Wastewater Treatment Emissary using Data Mining*, Petroleum-Gas University of Ploiesti Bulletin, Mathematics-Informatics-Physics Series, 2010, Vol. LXII, No. 1, pp. 69-78, ISSN 1224-4899. http://bmif.unde.ro/docs/20101/pdf_final_8%20MCarbureanu.pdf **Lucrarea care citează:** **Sajeev, R. , et al.**, *Computational predictive models for organic semiconductors*, Journal of Computational Electronics , 2013, Vol. 12, No. 4, pp. 790-795, DOI10.1007/s10825-013-0486-3. http://link.springer.com/article/10.1007/s10825-013-0486-3	25	25
		3. Lucrare citată: **Cărbureanu, M.**, *Pollution Level Analysis of a Wastewater Treatment Emissary using Data Mining*, Petroleum-Gas University of Ploiesti Bulletin, Mathematics-Informatics-Physics Series, 2010, Vol. LXII, No. 1, pp. 69-78, ISSN 1224-4899. http://bmif.unde.ro/docs/20101/pdf_final_8%20MCarbureanu.pdf **Lucrarea care citează:** **Ribeiro, D., et al. ,** *Wastewater Treatment Plant Performance Prediction with Support Vector Machines*, Chapter Advances in Data Mining. Applications and Theoretical Aspects, Vol. 7987 of the series Lecture Notes in Computer Science, pp. 99-111, DOI10.1007/978-3-642-39736-3_8, Print ISBN 978-3-642-39735-6, Publisher Springer Berlin Heidelberg. http://link.springer.com/chapter/10.1007/978-3-642-39736-3_8#	25	25
		4. Lucrare citată: Oprea,M., Dragomir,E., **Cărbureanu, M.**, *On the Use of Collaborative Intelligence in an Agent-based Environmental Monitoring and Analysis System*, The 15th International Conference on System Theory, Control and Computing, ICSTCC 2011, IEEE Control Systems Society, Romanian Academy, SRAIT, ASTR, IEEEXplore database, http://www.ace.tuiasi.ro/icstcc2011/ index.html, pp. 421-426, 2011, ISBN 978-1-4577-1173-2. http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=6085665&url=http%3A%2F%2Fieeexplore.ieee.org%2Fxpls%2Fabs_all.jsp%3Farnumber%3D6085665	25	25

		Lucrarea care citează: **Zhong-Yong, Che, Sangchul, K.,** *A Surveillance System Using Images and Movement Detection Sensors*, The Journal of The Institute of Internet, Broadcasting and Communication, 2013, Vol.13, No. 1, pp.181-189, Publisher: The institute Of Webcasting, Internet And Telecommunication, DOI: 10.7236/JIIBC.2013.13.1.181. http://www.koreascience.or.kr/search/articlepdf_ocean.jsp?url=http://ocean.kisti.re.kr/downfile/volume/iwitt/OTNBBE/2013/v13n1/OTNBBE_2013_v13n1_181.pdf&admNo=OTNBBE_2013_v13n1_181		
		5. Lucrare citată: Oprea,M., Dragomir,E., **Cărbureanu, M.,** *On the Use of Collaborative Intelligence in an Agent-based Environmental Monitoring and Analysis System*, The 15th International Conference on System Theory, Control and Computing, ICSTCC 2011, IEEE Control Systems Society, Romanian Academy, SRAIT, ASTR, IEEEXplore database, http://www.ace.tuiasi.ro/icstcc2011/ index.html, pp. 421-426, 2011, ISBN 978-1-4577-1173-2. http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=6085665&url=http%3A%2F%2Fieeexplore.ieee.org%2Fxpls%2Fabs_all.jsp%3Farnumber%3D6085665 **Lucrarea care citează:** **Hu, L., et al.,** *Task-oriented Sensor Web data processing for environmental monitoring*, Journal of Earth Science Informatics , 2015, Vol. 8, No. 3 , pp 511-525 , DOI 10.1007/s12145-015-0235-1, Publisher Springer Berlin Heidelberg, Print ISSN 1865-0473. http://link.springer.com/article/10.1007/s12145-015-0235-1#	25	25
		6. Lucrare citată: Oprea, M., **Cărbureanu, M.,** Dragomir, E., *AirQMAS: A Collaborative Multi-agent System for Air Quality Analysis,* Annals of the University of Craiova, Series: Automation, Computers, Electronics and Mechatronics, 2012, Vol. 9 (36), No. 1, pp. 20-26, ISSN: 1841-0626. http://ace.ucv.ro/anale/2012_vol1/04_Oprea_Mihaela.pdf **Lucrarea care citează:** **Dragomir, E.,** *Development of a Multi-Agent-Based Simulation System for Air Quality Analysis,* Studies in Informatics and Control, 2014, Vol. 23, No. 4, pp. 371-381, ISSN 1220-1766. *http://sic.ici.ro/?page_id=282*	25	25
		7. Lucrare citată: **Cărbureanu M.,** *The Annual Inflation Rate Analysis Unsing Data Mining Techniques*, Economic Insights-Trends and Challenges, 2012 , Vol. I (LXIV), No. 4, pp. 121-128, ISSN 2284-8576. http://www.upg-bulletin-se.ro/archive/2012-4/14.Carbureanu.pdf **Lucrarea care citează:** **Kreuzberg, F., et al.,** *Data mining the identification of the characteristics of the board of that value the corporate performance*, 10th International Conference on Information Systems and Tehnology Management, 2013, pp. 0167-0181. http://www.infoteca.inf.br/contecsi/smarty/templates/arquivos_template/upload_arquivos/acervo/docs/PDFs/010.pdf	25	25
		8. Lucrare citată: **Cărbureanu M.,** *The Annual Inflation Rate Analysis Unsing Data Mining Techniques*, Economic Insights-Trends and Challenges, 2012 , Vol. I (LXIV), No. 4, pp. 121-128, ISSN 2284-8576. http://www.upg-bulletin-se.ro/archive/2012-	25	25

		4/14.Carbureanu.pdf **Lucrarea care citează:** **Hein, N. et al.**, *Application of the factor analysis on data mining of the performance social to companies the sector consumption cyclic listed on bm&fbovespa*, 11th International Conference on Information Systems and Technology Management – CONTECSI , 2014, pag. 2326-2348. **DOI: 10.5748/9788599693100-11CONTECSI/RF-820 (BDI)**. http://www.contecsi.fea.usp.br/envio/11contecsi-files/papers/820/submission/director/820-2538-1-DR.pdf		
		9. Lucrare citată: Tudor, I., **Cărbureanu M.**, *Timetable planning using intelligent agents*, Proceedings of the 3rd International Conference on Virtual Learning, 2008, ICVL 2008, october 31- november 2, ISI Proceedings, pp. 335-342, Bucharest University Press, ISSN: 1844-8933. http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=23&SID=V18QE87KUs1oIVtXfAR&page=1&doc=7 **Lucrarea care citează:** **Nandhini, M., Kanmani, S.**, *Implementation of class timetabling using multi agents* , International Conference on Intelligent Agent & Multi-Agent Systems- IAMA, 2009, pag. 1-2, DOI10.1109/IAMA.2009.5228065, ISBN:978-1-4244-4710-7; http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=5228065&url=http%3A%2F%2Fieeexplore.ieee.org%2Fxpls%2Fabs_all.jsp%3Farnumber%3D5228065	25	25
		10. Lucrare citată: Tudor, I., **Cărbureanu M.**, *Timetable planning using intelligent agents*, Proceedings of the 3rd International Conference on Virtual Learning, 2008, ICVL 2008, october 31- november 2, ISI Proceedings, pp. 335-342, Bucharest University Press, ISSN: 1844-8933. http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=23&SID=V18QE87KUs1oIVtXfAR&page=1&doc=7 **Lucrarea care citează:** **Mohammed El-Helly et al.**, *A Multi-agent Pattern BasedTimetabling System*, Egyptian Computer Science Journal, 2011, Vol. 35, No.3, pp. 23-32. http://ejournal.narotama.ac.id/files/A%20Multi-agent%20Pattern%20Based%20Timetabling%20System.pdf	25	25
		11. Lucrare citată: **Cărbureanu M.**, *A factor analysis method applied in development field*, Analele Universității "Constantin Brâncuși" din Târgu Jiu, Seria Economie, 2010, Vol I., Nr. 1, pag. 187-194, Editura „Academica Brâncuși" a Universității „Constantin Brâncuși" din Târgu-Jiu, ISSN 2344-3685. http://econpapers.repec.org/article/cbujrnlec/y_3a2010_3av_3a1_3ap_3a187-194.htm **Lucrare care citează:** **Marc, L., Mărghitas, L., Popa, A.**, *Main directions of beekeepers' interest* , Analele Universității din Oradea, 2012, pag. 393-398. **http://protmed.uoradea.ro/facultate/anale/ecotox_zooteh_ind_a lim/2012B/ipa/14.%20Marc%20Loredana%20Maria%202.pdf**	25	25
		12. Lucrare citată: **Cărbureanu M.**, *A factor analysis method applied in*	25	25

		development field, Analele Universității "Constantin Brâncuși" din Târgu Jiu, Seria Economie, 2010, Vol I., Nr. 1, pag. 187-194, Editura „Academica Brâncuși" a Universității „Constantin Brâncuși" din Târgu-Jiu, ISSN 2344-3685. http://econpapers.repec.org/article/cbujrnlec/y_3a2010_3av_3a 1_3ap_3a187-194.htm **Lucrare care citează:** **Marc, L.,** *Correspondence analysis to observe potential group of beekeepers as direction of interest and demographic.* 2013, Bulletin UASVM Animal Science and Biotechnologies, Vol. 70, Nr. 2, pag. 296-299, Print ISSN 1843-5262. http://journals.usamvcluj.ro/index.php/zootehnie/article/view/9 259/7799			
		13. Lucrare citată: Oprea, M., Tudor, I., **Cărbureanu, M.,** *Prediction of student professional evolution with data mining techniques,* Proceeding of the 8th International Conference on Informatics in Economy, ASE Bucuresti, 2007, pag. 572-577, ASE Publishing House, ISBN 978-973-594-921-1. **Lucrare care citează:** **Oprea C., Zaharia, M., Enăchescu, D.,** *Knowledge discovery using data mining techniques: a case study,* Annals of the Oradea university. Fascicle of Management and Technological Engineering, 2010, Volume IX (XIX), Nr. 3. http://scholar.google.ro/scholar?cites=18266109208836585699 &as_sdt=2005&sciodt=0,5&hl=ro	25	25	
		14. Lucrare citată: Constanta-Nicoleta Bodea, Ioan I.Andone (coordonatori), I. Tudor, **M. Cărbureanu** (co-autori) – Tehnici de data mining în managementul cunoașterii într-o universitate (Capitolul XXVI), capitol în volumul *Managementul cunoașterii în universitatea modernă,* 2007, pp. 293-319, Editura ASE, București, ISBN 978-973-594-953-2. **http://opac.biblioteca.ase.ro/opac/bibliographic_view/1621 16;jsessionid=6D763AC9F3222A7DF7E8170C3D8C3A31** **Lucrarea care citează:** **Oprea, C., Zaharia, M., Enăchescu, D.,** *Knowledge discovery using data mining techniques: a case study,* Annals of the Oradea university. Fascicle of Management and Technological Engineering, 2010, Volume IX (XIX), NR. 3. http://scholar.google.ro/scholar?cites=18266109208836585699 &as_sdt=2005&sciodt=0,5&hl=ro	25	25	
		15. Lucrare citată: Oprea, M., **Cărbureanu M.,** *An Expert System for University Research Quality Assesment* , The 6th International Seminar on Quality Management in Higher Education, CETEX, QMHE 2010 proceedings, 2010, Vol. 2, pp. 195-198, UNIV. TECH. GHEORGHE ASACHI IAȘI, ISBN:978-973-662-568-8, http://www.cetex.tuiasi.ro/qmhe2010/index.php, http:/ /www .isiwebofknowledge.com/. http://apps.webofknowledge.com/full_record.do?product=UA &search_mode=GeneralSearch&qid=13&SID=V18QE87KUs1oI VtXfAR&page=1&doc=5 **Lucrare care citează:** **Oprea, M.,** *A University Knowledge Management Tool for*	25	25	

		Academic Research Activity Evaluation, Informatica Economică, 2011, vol. 15, no. 3, pag.58-71. http://revistaie.ase.ro/content/59/05%20-%20Oprea.pdf		
		16. Lucrare citată Oprea, M., **Cărbureanu M.**, *An Expert System for University Research Quality Assesment* , The 6th International Seminar on Quality Management in Higher Education, CETEX, QMHE 2010 proceedings, 2010, Vol. 2, pp. 195-198, UNIV. TECH. GHEORGHE ASACHI IAŞI, ISBN:978-973-662-568-8, http://www.cetex.tuiasi.ro/qmhe2010/index.php, http:/ /www .isiwebofknowledge.com/. http://apps.webofknowledge.com/full_record.do?product=UA &search_mode=GeneralSearch&qid=13&SID=V18QE87KUs1ol VtXfAR&page=1&doc=5 **Lucrare care citează:** **Oprea, M.,** *An Agent-Based Knowledge Management System for University Research Activity Monitoring,* Informatica Economică, 2012, vol. 16, no. 3, pag. 136-147. http://revistaie.ase.ro/content/63/12%20-%20Oprea.pdf	25	25
		17. Lucrare citată Mihalache, S., **Cărbureanu, M.,** *Fuzzy Logic Controller Design for Tank Level Control,* Petroleum-Gas University of Ploiesti Bulletin, Technical Series, 2014, Vol. LXVI, No. 3, pp. 57-62, ISSN 1224-8495. http://connection.ebscohost.com/c/articles/99674141/fuzzy-logic-controller-design-tank-level-control **Lucrare care citează:** **Pricop, E., Mihalache, S.,** *Fuzzy approach on modelling cyber attacks patterns on data transfer in industrial control systems,* Electronics, Computers and Artificial Intelligence (ECAI) , 7th international Conference, 2015, pag. 23-28, DOI: 10.1109/ECAI.2015.7301200, Publisher: IEEE, Print ISBN: 978-1-4673-6646-5. . http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=730120 0&url=http%3A%2F%2Fieeexplore.ieee.org%2Fxpls%2Fabs_ all.jsp%3Farnumber%3D7301200	25	25
		18. Lucrare citată Tudor, I., **Cărbureanu M.**, *An example of expert system used in education field,* Petroleum-Gas University of Ploiesti, Mathematics-Informatics-Physics Series, 2007, Vol. LIX, Nr. 2, pag. 49-54, ISSN:1224-4899. http://www.bulletin.upg-ploiesti.ro/content.jsp?page=834&language=2&pageType=MIF **Lucrare care citează:** **Petre E., Chircu F.,** *An Example of Expert System Used in Economical Field,* AFASES 2009, The International Session of XI-th Scientific Papers "Scientific Research and Education in the Air Force", 20-22 May 2009, Brasov, pag. 281-284, ISBN. 978- 973-8415-67-6. http://www.afahc.ro/ro/afases/2009/volum_afases_2009.pdf	25	25
		P_D		P_D=450

$PT = P_A + P_B + P_C + P_D$				**PT =43.1+ 5589.99+ 2+450= 6085.09**

Condiţii minimale

Şef de lucrări PT ≥ 50

Asistent universitar PT ≥ 25

* Se vor trece pentru fiecare criteriu (din standardele impuse) toate lucrările, cu precizarea punctajului care revine candidatului pentru fiecare lucrare şi a tuturor informaţiilor privind lucrările: autorii, titlul lucrării, titlul revistei/cărţii, anul, volumul, numărul, pagina la care începe articolul şi pagina la care se termină articolul, nr. pagini carte, editura în care a fost publicată cartea, instituţia care a acordat brevetul, ISSN/ISBN etc.

Dată
04.01.2016

Candidat,
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