

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.enatdcu-c15.org/Standarde-C15.pdf>

Subsemnata, Prof.univ.dr.ing. OPREA Mihaela, 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 ÎNDEPLINESC

Standardele minimale necesare și obligatorii (CU EXCEPȚIA subcategoriei A2.1 min 3 articole reviste cotate ISI Q1/Q2 – realizat 2 articole ISI Q1)
pentru abilitare (respectiv pentru conferirea titlului didactic de profesor universitar),
aferele Domeniului Calculatoare, tehnologia informației și ingineria sistemelor,
valabile la data de 01.02.2026.

Punctaj total: 4918,644

Punctaj realizat în ultimii 5 ani: 839,51

1. Studiile de doctorat

Nr. crt.	Instituția organizatoare de doctorat	D o m e n i u l	Perioada	Titlul științific acordat
1.	Universitatea Petrol-Gaze din Ploiești	Sisteme automate	1992-1996	Doctor inginer

2. Îndeplinirea standardelor minimale

Domeniul activităților	Categorii și restricții		Subcategorii		Indicatori (kpi)	Punctaj
1	2		3		4	X
Activitatea didactică și profesională (A1)	Cărți de autor sau capitole ¹ de specialitate în edituri cu ISBN	Cărți / monografii	A1.1.1	internaționale	50 / nr. de autori sau 100 / nr. de autori cu	
				Oprea M. , Mihalache S.F., Carbureanu M., <i>Knowledge-Based Intelligent Process Control</i> , chapter in Nakamatsu, K; Kountchev, R. (Editors), New Approaches in Intelligent Control: Techniques, Methodologies and Applications, Book Series: Intelligent Systems, Springer , Volume 107, ISBN 978-3-319-32166-0, pages 207-240, 2016 . https://link.springer.com/chapter/10.1007/978-3-319-32168-4_7/fulltext.html	(50/4)/3	4,167
				Paraschiv N., Oprea M. , Carbureanu M., Olteanu M., <i>Computational Intelligence Techniques for Chemical Process Control</i> , chapter in Balas V.E., Koprinkova-Hristova P., Jain L.C. (Editors), Innovations in Intelligent Machines-5: Computational Intelligence in Control Systems Engineering, Book Series: Studies in Computational Intelligence, Springer , Volume: 561, ISBN 978-3-662-43369-0, Engineering ISSN 1860-949X, pages: 191-226, 2014. http://link.springer.com/chapter/10.1007/978-3-662-43370-6_7	(50/4)/4	3,125
				Oprea M. , <i>Applications of multi-agent systems</i> , chapter in Reis, R. (Editor), Information Technology: Selected Tutorials, Book Series: International Federation for Information Processing, Kluwer Academic Publisher, Springer , Vol. 157, ISBN 1-4020-8158-8, pp. 239-270, 2004. http://link.springer.com/chapter/10.1007/1-4020-8159-6_9	(50/4)/1	12,5
			A1.1.1			19,792
			A1.1.2	naționale	50/nr. de autori	
				Oprea M. , <i>Programare orientată pe obiecte – Exemple în limbajele C++, C# și Java</i> , Editura Matrix Rom, București, 2023 . http://www.matrixrom.ro	50/1	50
				Oprea M. , <i>Programare logică și Programare funcțională – Teorie și Aplicații</i> , Editura MatrixRom București, ISBN 978-606-25-0550-9, 170 pagini, 2020 . http://www.matrixrom.ro	50/1	50
				Oprea M. , <i>Programare logică și Programare funcțională – Teorie și Aplicații</i> , Editura MatrixRom București, ISBN 978-606-25-0550-9, 170 pagini, 2020 . http://www.matrixrom.ro	50/1	50
				Oprea M. , Dragomir E.G., Mihalache S.F., Popescu M., <i>Metode si tehnici de predictie a concentratiei particulelor PM2.5 in mediul urban</i> , capitolul 11 din cartea: <i>Metode de evaluare a efectelor poluarii aerului cu particule in suspensie asupra sanatatii copiilor</i> , Iordache S, Dunea D. (Editori), Editura MatrixRom , Bucuresti, ISBN 978-606-25-0121-1, 42/476 pagini, 2014. http://www.matrixrom.ro	(50/4)/4	3,125

				<p>Oprea M., Nichita C., Dunea D., <i>Aplicatii ale inteligentei artificiale in protectia mediului</i>, Editura Universitatii Petrol-Gaze din Ploiesti, ISBN 978-973-719-236-3, 127 pagini, 2008. http://editura.upg-ploiesti.ro/index.php?categoryID=51</p>	50/3	16,67
				<p>Oprea M., Tanasescu A., <i>Tehnici de modelare a cunoasterii in sistemele bazate pe cunostinte</i>, capitolul XX (pag. 223-242) din cartea <i>Managementul cunoasterii in universitatea moderna</i>, Bodea C.-N., Andone I.I (Coordonatori), Editura ASE, Bucuresti, ISBN 978-973-594-953-2, 470 pagini, 2007. http://editura.ase.ro/</p>	(50/4)/2	6,25
				<p>Oprea M., Tanasescu A., <i>Rationament bazat pe cazuri – paradigma si model al cunoasterii umane</i>, capitolul XXV (pag. 285-292) din cartea <i>Managementul cunoasterii in universitatea moderna</i>, Bodea C.-N., Andone I.I (Coordonatori), Editura ASE, Bucuresti, ISBN 978-973-594-953-2, 470 pagini, 2007. http://editura.ase.ro/</p>	(50/4)/2	6,25
				<p>Oprea M., Tudor I., <i>Rețele de cunoastere</i>, capitolul XXXIII (pag. 417-432) din cartea <i>Managementul cunoasterii in universitatea moderna</i>, Bodea C.-N., Andone I.I (Coordonatori), Editura ASE, Bucuresti, ISBN 978-973-594-953-2, 470 pagini, 2007. http://editura.ase.ro/</p>	(50/4)/2	6,25
				<p>Oprea M., Tudor I., <i>Rețele de cunoastere pentru cercetare-dezvoltare</i>, capitolul XXXIV (pag. 433-439) din cartea <i>Managementul cunoasterii in universitatea moderna</i>, Bodea C.-N., Andone I.I (Coordonatori), Editura ASE, Bucuresti, ISBN 978-973-594-953-2, 470 pagini, 2007. http://editura.ase.ro/</p>	(50/4)/2	6,25
				<p>Oprea M., <i>Programare orientata pe obiecte – Exemple in limbajul C++</i>, Editura MatrixRom, Bucuresti, ISBN 973-685-527-9, 201 pagini, 2003. http://www.matrixrom.ro/romanian/editura/domenii/cuprins.php?cuprins=PO20</p>	50	50
				<p>Oprea M., <i>Sisteme bazate pe cunostinte – Ghid teoretic si practic</i>, Editura MatrixRom, Bucuresti, ISBN 973-685-484-1, 127 pagini, 2002. http://www.matrixrom.ro/romanian/editura/domenii/cuprins.php?cuprins=SC70</p>	50	50
				Total (A1.1.2)		244,795
	Material didactic / Lucrări didactice publicate în	Manuale didactice	A1.2.1		40/ nr. autori	
				<p>Oprea M., Carbureanu M., <i>Programare orientată pe obiecte în limbajul Java – îndrumar de laborator</i>, Editura UPG Ploiești, 2024.</p>	40/2	20
				<p>Oprea M., <i>Inteligență artificială – Îndrumar de proiect</i>, Editura MatrixRom București, ISBN 978-</p>	40/1	40

	edituri cu ISBN			606-25-0765-7, 2022 . http://www.matrixrom.ro		
				Oprea M. , Carbureanu M., <i>Programare orientata pe obiecte – indrumar de laborator</i> , Editura Universitatii Petrol-Gaze din Ploiesti, ISBN 978-973-719-728-3, 161 pagini, 2018 .	40/2	20
				Oprea M. , <i>Inteligența artificială – Elemente teoretice și aplicative</i> , Editura Universitatii Petrol-Gaze din Ploiesti, ISBN 978-973-719-688-0, 149 pagini, 2017 .	40	40
				Oprea M. , <i>Programare orientata pe obiecte – Limbajul C++</i> , Editura Universitatii Petrol-Gaze din Ploiesti, ISBN 978-973-719-686-6, 173 pagini, 2017 .	40	40
				Oprea M. , <i>Recunoasterea formelor – indrumar de laborator</i> , Editura Universitatii Petrol-Gaze din Ploiesti, ISBN 978-973-719-343-8, 87 pagini, 2010. http://editura.upg-ploiesti.ro/index.php?categoryID=51	40	40
				Oprea M. , <i>Inteligența artificială – indrumar de laborator</i> , Editura Universitatii Petrol-Gaze din Ploiesti, ISBN 978-973-719-320-9, 107 pagini, 2009.	40	40
				Oprea M. , <i>Agenti inteligenti – indrumar de laborator</i> , Editura Universitatii Petrol-Gaze din Ploiesti, ISBN 978-973-719-290-5, 131 pagini, 2009.	40	40
				Oprea M. , Nicoara S., <i>Inteligența artificială</i> , Editura Universitatii Petrol-Gaze din Ploiesti, ISBN 973-719-073-4, 191 pagini, 2005. http://editura.upg-ploiesti.ro/index.php?productID=104	40/2	20
				Oprea M. , <i>Programare orientata pe obiecte</i> , Editura Universitatii Petrol-Gaze din Ploiesti, ISBN 973-7965-69-8, 185 pagini, 2004.	40	40
				Oprea M. , <i>Inteligența artificială</i> , vol. I, Editura Universal Cartfil, ISBN 973-95878-7-9, 211 pagini, 1998.	40	40
				Oprea M. , <i>Sisteme expert de gestiune – îndrumar</i> , Editura Universal Cartfil, Ploiesti, ISBN 973-95878-9-5, 113 pagini, 1998.	40	40
				Total (A1.2.1)		420
TOTAL A1						684,587
Activitatea de cercetare (A2)	Articole în reviste cotate ISI și lucrări în volumele unor manifestări	A 2.1.			(25+30*IF) /nr. autori	
				Oprea M. , A general framework and guidelines for benchmarking computational intelligence	(25+30*	171,19

	științifice indexate ISI		algorithms applied to forecasting problems derived from an application domain-oriented survey, <i>Applied Soft Computing Journal</i> , Vol. 89, 106103, April 2020, FI: 4.873 , Q1 . https://doi.org/10.1016/j.asoc.2020.106103	4.873)/1	
			Oprea M. , A knowledge modelling framework for intelligent environmental decision support systems and its application to some environmental problems, <i>Environmental Modelling & Software</i> , Vol. 110, Nr. 12, Pag: 72-94, 2018, FI: 4.177 , Q1 , WOS:000451323500007 http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=C64hwLyPWb7h8CdJ998&page=1&doc=1	(25+30* 4.177)/1	150,31
			Oprea M. , ABVE-Frame: An agent-based virtual enterprise development framework, <i>AI Communications</i> , Vol. 30, Nr. 2, Pag: 117-140, 2017, FI: 0,461 , WOS:000401559000002 http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=11&SID=C64hwLyPWb7h8CdJ998&page=1&doc=1	(25+30* 0.461)/1	38,83
			Oprea M. , Dunea D., Liu H.-Y., Development of a knowledge based system for analyzing particulate matter air pollution effects on human health, <i>Environmental Engineering and Management Journal</i> , Vol. 16, Nr. 3, Pag: 669-676, 2017, FI: 1,334 , WOS:000403508600018 http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=C64hwLyPWb7h8CdJ998&page=1&doc=1	(25+30* 1.334)/3	21,67
			Oprea M. , Mihalache S., Popescu M., Computational intelligence-based PM2.5 air pollution forecasting, <i>International Journal of Computers Communications & Control (IJCCC)</i> , Vol. 12, Nr. 3, Pag: 365-380, 2017, FI: 1,29 , WOS: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=14&SID=C64hwLyPWb7h8CdJ998&page=1&doc=1	(25+30* 1.29)/3	21,23
			Oprea M. , Olteanu M., Ianache R., An urban air pollution early warning system based on PM2.5 prediction applied in Ploiesti city, <i>Revista de Chimie</i> , Vol. 68, Nr. 4, Pag: 858-863, 2017, FI: 1,412 , WOS: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=18&SID=C64hwLyPWb7h8CdJ998&page=1&doc=1	(25+30* 1.412)/3	22,45
			Liu H.Y., Dunea D., Oprea M. , Savu T., Iordache S., Improving the protection of children against air pollution threats in Romania – The Rokidair project approach and future perspectives, <i>Revista de Chimie</i> , Vol. 68, Nr. 4, Pag: 841-846, 2017, FI: 1,412 , WOS: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=23&SID=C64hwLyPWb7h8CdJ998&page=1&doc=1	(25+30* 1.412)/5	13,472
			Popescu M., Mihalache S., Oprea M. , Air pollutants and meteorological parameters influence on PM2.5 forecasting and performance assessment of the developed artificial intelligence-based forecasting model, <i>Revista de Chimie</i> , Vol. 68, Nr. 4, Pag: 864-868, 2017, FI: 1,412 , WOS: http://apps.webofknowledge.com/Search.do?product=WOS&SID=C64hwLyPWb7h8CdJ998&search_mode=GeneralSearch&prID=a8244d5b-4edb-4c21-90d0-bcdc0ab2d51d	(25+30* 1.412)/3	22,45
			Oprea M. , Dragomir E.G., Popescu M., Mihalache S.F., Particulate Matter Air Pollutants	(25+30*	16,84

		Forecasting Using Inductive Learning Approach, <i>Revista de Chimie</i> , Vol. 67, Nr. 10, Pag: 2075-2081, 2016 , FI: 1,412 , WOS: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=28&SID=C64hwLyPWb7h8CdJ998&page=1&doc=1	1.412)/4	
		Oprea M. , Buruiana V., Matei A., A Microcontroller-based Intelligent System for Real-time Flood Alerting, <i>International Journal of Computers, Communications & Control</i> , Vol. 5, Nr. 5, Pag: 844-851, 2010, FI: 1,29 , WOS: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=5&SID=E1Wy9ZYsyUnCrHuXnBU&page=1&doc=1	(25+30*1.29)/3	21,23
		Oprea M. , Dunea D., SBC-Mediu: A Multi-expert System for Environmental Diagnosis, <i>Environmental Engineering and Management Journal</i> , Vol. 9, Nr. 2, Pag: 205-213, 2010, FI: 1,334 , WOS: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=9&SID=E1Wy9ZYsyUnCrHuXnBU&page=1&doc=1	(25+30*1.334)/2	32,51
		Oprea M. , MAS_UP-UCT: A multi-agent system for university course timetable scheduling, <i>International Journal of Computers, Communications & Control</i> , Vol. 2, Nr. 1, Pag: 94-102, 2007, FI: 1,29 , WOS: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=18&SID=E1Wy9ZYsyUnCrHuXnBU&page=1&doc=1	(25+30*1.29)/1	63,7
		Oprea M. , A case study of knowledge modelling in an air pollution control decision support system, <i>AI Communications</i> , Vol. 18, Nr. 4, Pag: 293-303, 2005, FI: 0,461 , WOS: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=25&SID=E1Wy9ZYsyUnCrHuXnBU&page=1&doc=1	(25+30*0.461)/1	38,83
		Oprea M. , Ontology Mapping in Open Multi-Agent Systems, <i>Studies in Informatics and Control</i> , Vol. 16, Nr. 2, 2007, FI: 1,020 , GSC: https://scholar.google.ro/scholar?hl=ro&as_sdt=0%2C5&q=Oprea+M.%2C+Ontology+Mapping+in+Open+Multi-Agent+Systems%2C+2007&btnG=	(25+30*1.020)/1	55,6
		Oprea M. , Coordination in an Agent-Based Virtual Enterprise, <i>Studies in Informatics and Control</i> , Vol. 12, Nr. 3, Pag: 215-225, 2003, FI: 1,020 , GSC: https://scholar.google.ro/scholar?hl=ro&as_sdt=0%2C5&q=Oprea+M.%2C+Coordination+in+an+Agent-Based+Virtual+Enterprise%2C+2003&btnG=	(25+30*1.020)/1	55,6
		Oprea M. , An Adaptive Negotiation Model for Agent-Based Electronic Commerce and Control, <i>Studies in Informatics and Control</i> , Vol. 11, Nr. 3, Pag: 271-279, 2002, FI: 1,020 , GSC: https://scholar.google.ro/scholar?hl=ro&as_sdt=0%2C5&q=Oprea+M.%2C+An+Adaptive+Negotiation+Model+for+Agent-Based+Electronic+Commerce+and+Control%2C+2002&btnG=	(25+30*1.020)/1	55,6
		Oprea M. , Onto-DeclarProg: An educational ontology for declarative programming, <i>Proceedings of the 14th ICVL 2019</i> , pag. 37-43, Bucuresti, Oct 25-26, 2019 , ISSN 1844-8933 – ISI Proceedings. http://www.icvl.eu FI: 0.25	(25+30*0.25)/1	32,5

		<p>Oprea M., On the development of a student evaluation model, <i>Proceedings of the 14th ICVL 2019</i>, pag. 44-48, Bucuresti, Oct 25-26, 2019, ISSN 1844-8933 – ISI Proceedings. FI: 0.25 http://www.icvl.eu</p>	(25+30*0.25)/1	32,5
		<p>Oprea M., A. Ilă, Ș. Neagu, C. Zaman, On the development of educational applications of artificial intelligence, <i>Proceedings of the 14th ICVL 2019</i>, pag. 49-55, Bucuresti, Oct 25-26, 2019, ISSN 1844-8933 – ISI Proceedings. FI: 0.25 http://www.icvl.eu</p>	(25+30*0.25)/4	8,125
		<p>Oprea M., Agent-based modelling of multi-robot systems, <i>The 8th Int. Conf. on Advanced Concepts in Mechanical Engineering</i>, IOP Publishing, IOP Conf. Series: Materials Science and Engineering, 444 (2018), 052026, doi: 10.1088/1757-899X/444/5/052026, Iasi, Romania. FI: 0.25 WOS:000467443600082 https://www.scopus.com/results/results.uri?numberOfFields=0&src=s&clickedLink=&edit=&editSaveSearch=&origin=searchbasic&authorTab=&affiliationTab=&advancedTab=&scint=1&menu=search&tablin=&searchterm1=Agent-based+modelling+of+multi-robot+systems&field1=TITLE&dateType=Publication_Date_Type&yearFrom=Before+1960&yearTo=Present&loadDate=7&documenttype=All&accessTypes=All&resetFormLink=&st1=Agent-based+modelling+of+multi-robot+systems&st2=&sot=b&sdt=b&sl=51&s=TITLE%28Agent-based+modelling+of+multi-robot+systems%29&sid=93f989b734a7709063b9a5ebcddef188&searchId=93f989b734a7709063b9a5ebcddef188&txGid=a0d00a369933f4cdf04d114dd602a805&sort=plf-f&originationType=b&tr</p>	(25+30*0.25)/1	32,5
		<p>Oprea M., On the development of an educational ontology for logic programming, <i>Proceedings of ICVL 2017</i>, Sibiu, Romania, 2017. FI: 0.25 http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=13&SID=D5OjKGNleM36vgt71Xr&page=1&doc=1</p>	(25+30*0.25)/1	32,5
		<p>Oprea M., An overview on the contribution of the academician Octav Onicescu to the informational statistics and further developments, <i>Proceedings of ICVL 2017</i>, Sibiu, Romania, 2017. FI: 0.25 http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=9&SID=D5OjKGNleM36vgt71Xr&page=1&doc=1</p>	(25+30*0.25)/1	32,5
		<p>Oprea M., M. Popescu, S. Mihalache, E. Dragomir, Data mining and ANFIS application to particulate matter air pollutant prediction. A comparative study, <i>Proceedings of the Int. Conf. ICAART 2017</i>, vol. 2, 551-558. FI: 0.25 http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=16&SID=D5OjKGNleM36vgt71Xr&page=1&doc=1</p>	(25+30*0.25)/4	8,125
		<p>Oprea M., Popescu M., Dragomir E., Mihalache S., Models of particulate matter concentration forecasting based on artificial neural networks, <i>Proceedings of the 9th IEEE Int. Conf. IDAACS</i>, 2017. FI: 0.25 http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=19&SID=D5OjKGNleM36vgt71Xr&page=1&doc=1</p>	(25+30*0.25)/4	8,125

		<p>Oprea M., Liu, H.-Y., <i>A knowledge based approach for PM2.5 air pollution effects analysis</i>, Proceedings of the International Symposium on INnovations in Intelligent SysTems and Applications (INISTA 2016), Sinaia, Romania, Aug 2-5, 2016. (factor impact 0,25) http://apps.webofknowledge.com/Search.do?product=WOS&SID=E6xpMgojNVC2ZUdTOLQ&se_arch_mode=GeneralSearch&prID=3c75e6c0-42bc-4a0c-a952-294ea7af3cc1</p>	(25+30*0.25)/2	16,25
		<p>Oprea M., Popescu M., Mihalache S.F., <i>Applying Artificial Neural Networks to Short-Term PM2.5 Forecasting Modeling</i>, Artificial Intelligence Applications and Innovations, 12th IFIP WG 12.5 International Conference and Workshops, AIAI 2016, Proceedings, Volume 475, Springer, Thessaloniki, Greece, Sept 16-18, 2016, pp. 204-211, 2016. (factor impact 0,25) http://apps.webofknowledge.com/Search.do?product=WOS&SID=E6xpMgojNVC2ZUdTOLQ&se_arch_mode=GeneralSearch&prID=a6469014-c101-46cf-812f-99a885373b8a</p>	(25+30*0.25)/3	10,83
		<p>Oprea M., Popescu M., Mihalache S.F., <i>A Neural Network Based Model for PM2.5 Air Pollutant Forecasting</i>, 20th International Conference on System Theory, Control and Computing (ICSTCC 2016), Sinaia, Romania, Oct 13-15, 2016, pp. 776-781, 2016. (factor impact 0,25) http://apps.webofknowledge.com/Search.do?product=WOS&SID=E6xpMgojNVC2ZUdTOLQ&se_arch_mode=GeneralSearch&prID=3924a5d2-a15c-4ea5-a03e-c5869922417d</p>	(25+30*0.25)/3	10,83
		<p>Oprea M., Mihalache S.F., Popescu M., <i>A comparative study of computational intelligence techniques applied to PM2.5 air pollution forecasting</i>, Proceedings of 2016 6th International Conference on Computers Communications and Control (ICCCC 2016), Oradea, Romania, May 10-14, 2016, pp. 103-108, 2016. (factor impact 0,25) http://apps.webofknowledge.com/Search.do?product=WOS&SID=E6xpMgojNVC2ZUdTOLQ&se_arch_mode=GeneralSearch&prID=322730d7-eb59-40c3-acba-5f6e47323495</p>	(25+30*0.25)/3	10,83
		<p>Mihalache S.F., Popescu M., Oprea M., <i>Particulate Matter 2.5 Air Pollution Forecasting Based On Artificial Intelligence</i>, Proceedings of SGEM 2016 16th International Multidisciplinary Scientific GeoConference, Book 4 – Energy and Clean Technologies, vol. II - Air Pollution and Climate Change (SGEM 2016), Albena, Bulgaria, June 30 - July 06, 2016, pp. 491-498, 2016. (factor impact 0,25) http://apps.webofknowledge.com/Search.do?product=WOS&SID=E6xpMgojNVC2ZUdTOLQ&se_arch_mode=GeneralSearch&prID=cc675009-f116-4bda-8e71-928ea22dbb7c</p>	(25+30*0.25)/3	10,83
		<p>Oprea M., A case study of modeling the object oriented programming knowledge as an educational ontology, <i>Proceedings of the 11th International Conference on Virtual Learning - ICVL 2016</i> – ISI Proceedings. FI: 0.25 WOS:000444941400003</p>	(25+30*0.25)/1	32,5
		<p>Oprea M., Ianache C., Mihalache S.F., Dragomir E.G., Dunea D., Iordache St., Savu T., <i>On the development of an intelligent system for particulate matter air pollution monitoring, analysis and forecasting in urban regions</i>, Proc. of 19th International Conference on System Theory, Control and Computing (ICSTCC 2015), Cheile Gradistei, Romania, Oct 14-16, 2015, pp. 711-716, 2015. (factor impact 0,25) http://apps.webofknowledge.com/Search.do?product=WOS&SID=E6xpMgojNVC2ZUdTOLQ&se</p>	(25+30*0.25)/7	4,64

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			Mihalache S.F., Popescu M., Oprea M. , <i>Particulate matter prediction using ANFIS modelling techniques</i> , Proc. of 19th International Conference on System Theory, Control and Computing (ICSTCC 2015), Cheile Gradistei, Romania, Oct 14-16, 2015, pp. 895-900, 2015. (factor impact 0,25) http://apps.webofknowledge.com/Search.do?product=WOS&SID=E6xpMgojNVC2ZUdTOLQ&search_mode=GeneralSearch&prID=0f9ce8a3-580f-44a9-ae48-7749ed365bf4	(25+30*0.25)/3	10,83
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			Dragomir E.G., Oprea M. , <i>Air Quality Forecasting by Using Nonlinear Modeling Methods</i> , Proceedings of the 22nd International Conference on Nonlinear Dynamics of Electronic Systems - NDES 2014, Volume 438, Springer, Albena, Bulgaria, July 4-6, 2014, pp. 387-394, 2014. (factor impact 0,25) http://apps.webofknowledge.com/Search.do?product=WOS&SID=E6xpMgojNVC2ZUdTOLQ&search_mode=GeneralSearch&prID=a819ff0c-9a36-4f4c-85b9-8b5b15a48b9a	(25+30*0.25)/2	16,25
			Schiopu D., Oprea M. , <i>Using Neural Networks for a Discriminant Speech Recognition System</i> , Proceedings of the 12th International Conference on Development and Application Systems - DAS 2014, Suceava, Romania, May 15-17, 2014, IEEE, pp. 165-169, 2014. (factor impact 0,25) http://apps.webofknowledge.com/Search.do?product=WOS&SID=E6xpMgojNVC2ZUdTOLQ&search_mode=GeneralSearch&prID=82ada163-50e9-405d-9053-9bb24d3a8264	(25+30*0.25)/2	16,25
			Oprea M. , <i>The Development of an Agent-Based Virtual Enterprise for Civil Engineering – A Preliminary Report</i> , 17th International Conference System Theory, Control and Computing (ICSTCC), Sinaia, Romania, Oct 2013, IEEE Control System Society, pp. 783-788, 2013. (factor impact 0,25) http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6689057	(25+30*0.25)/1	32,5
			Oprea M. , Iliadis L., <i>An Artificial Intelligence-Based Environment Quality Analysis System</i> , 12 th International Conference EANN 2011 / 7 th IFIP International Conference AIAI 2011, Corfu, Greece, Sept 2011, IFIP Advances in Information and Communication Technology, Springer, Volume 363, pp. 499-508, 2011. (factor impact 0,25) http://link.springer.com/chapter/10.1007/978-3-642-23957-1_55	(25+30*0.25)/2	16,25
			Oprea M. , <i>An Educational Ontology for Teaching University Courses</i> , 6th International Conference on Virtual Learning (ICVL), Cluj Napoca, Romania, pp. 117-122, 2011. (factor impact 0,25) http://apps.webofknowledge.com/Search.do?product=WOS&SID=E6xpMgojNVC2ZUdTOLQ&search_mode=GeneralSearch&prID=50781982-9d62-436c-978f-edc24e825e89	(25+30*0.25)/1	32,5

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		<p>Marinoiu C., Carbureanu C., Oprea M., <i>A case study of using statistical software instruments for higher education quality analysis</i>, 6th International Seminar on the Quality Management in Higher Education (QMHE), July 2010, Tulcea, Romania, pp. 139-142, 2010. (factor impact 0,25) http://apps.webofknowledge.com/Search.do?product=WOS&SID=E6xpMgojNVC2ZUdTOLO&search_mode=GeneralSearch&prID=007eef6b-b16f-49f1-8139-1cec10d3f120</p>	(25+30*0.25)/3	10,83
		<p>Oprea M., Carbureanu M., <i>An expert system for university research quality assessment</i>, 6th International Seminar on the Quality Management in Higher Education (QMHE), July 2010, Tulcea, Romania, pp. 195-198, 2010. (factor impact 0,25) http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitationReport&qid=3&SID=T2QsmsJcMa4gjZHySlk&page=2&doc=18</p>	(25+30*0.25)/2	16,25
		<p>Oprea M., <i>AIR POLLUTION Onto: an ontology for air pollution analysis and control</i>, 5th IFIP Conference on Artificial Intelligence and Innovations (AIAI), April 2009, Thessaloniki, Greece, Springer, pp. 135-143, 2009. (factor impact 0,25) http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitationReport&qid=3&SID=T2QsmsJcMa4gjZHySlk&page=2&doc=20</p>	(25+30*0.25)/1	32,5
		<p>Oprea M., <i>MEDICAL MAS: an agent-based system for medical diagnosis</i>, 5th IFIP Conference on Artificial Intelligence and Innovations (AIAI), April 2009, Thessaloniki, Greece, Springer, pp. 225-232, 2009. (factor impact 0,25) http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitationReport&qid=3&SID=T2QsmsJcMa4gjZHySlk&page=1&doc=6</p>	(25+30*0.25)/1	32,5
		<p>Oprea M., Petre E., <i>Applying agent-based technology to university knowledge management</i>, 4th International Conference on Virtual Learning (ICVL), Oct-Nov 2009, Iasi, Romania, pp. 265-275, 2009. (factor impact 0,25) http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitationReport&qid=3&SID=T2QsmsJcMa4gjZHySlk&page=2&doc=19</p>	(25+30*0.25)/2	16,25
		<p>Oprea M., Nichita C., <i>On the distributed water pollution control solving with an agent-based approach</i>, 1st International Symposium on Intelligent and Distributed Computing (IDC), Oct 2007, Craiova, Romania, Book Series: Studies in Computational Intelligence, Vol. 78, Springer, pp. 289-294, 2008. (factor impact 0,25) http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitationReport&qid=3&SID=T2QsmsJcMa4gjZHySlk&page=1&doc=7</p>	(25+30*0.25)/2	16,25
		<p>Nichita C., Oprea M., <i>An agent-based model for water quality control</i>, 17th European Symposium on Computer Aided Process Engineering (ESCAPE-17), May 2007, Bucharest, Romania, Book</p>	(25+30*0.25)/2	16,25

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		Nichita C., Oprea M. , <i>Water pollution diagnosis with a multi-agent approach</i> , 11th IASTED International Conference on Artificial Intelligence and Soft Computing, Aug 2007, Palma de Mallorca, Spain, pp. 86-91, 2007. (factor impact 0,25) http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitationReport&qid=3&SID=T2QsmsJcMa4gjZHySlk&page=3&doc=22	(25+30*0.25)/2	16,25
		Oprea M. , Nichita C., <i>Applying agent technology in water pollution monitoring systems</i> , 8th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC), Sept 2006, Timisoara, Romania, pp. 233-238, 2007. (factor impact 0,25) http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitationReport&qid=3&SID=T2QsmsJcMa4gjZHySlk&page=3&doc=23	(25+30*0.25)/2	16,25
		Oprea M. , <i>Rule-based adaptive navigation for an intelligent educational mobile robot</i> , 3rd IFIP Conference on Artificial Intelligence Applications and Innovations (AIAI), June 2006, Athens, Greece, Book Series: International Federation for Information Processing, Springer, pp. 35-43, 2006. (factor impact 0,25) http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitationReport&qid=3&SID=T2QsmsJcMa4gjZHySlk&page=1&doc=9	(25+30*0.25)/1	32,5
		Oprea M. , <i>Mapping ontologies in an air pollution monitoring and control agent-based system</i> , 9th International Conference on Discovery Science (DS), Oct 2006, Barcelona, Spain, Book Series: Lecture Notes in Artificial Intelligence, Vol. 4265, pp. 342-346, 2006. (factor impact 0,25) http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitationReport&qid=3&SID=T2QsmsJcMa4gjZHySlk&page=3&doc=24	(25+30*0.25)/1	32,5
		Oprea M. , <i>Multi-agent system for university course timetable scheduling</i> , 1st International Conference on Virtual Learning (ICVL), Bucharest, Romania, pp. 231-238, 2006. (factor impact 0,25) http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitationReport&qid=3&SID=T2QsmsJcMa4gjZHySlk&page=1&doc=8	(25+30*0.25)/1	32,5
		Oprea M. , <i>A case study of agent-based virtual enterprise modelling</i> , 4th International Central and Eastern European Conference on Multi-Agent Systems (CEEMAS), Sept 2005, Budapest, Hungary, Book Series: Lecture Notes in Artificial Intelligence, Vol. 3690, pp. 632-635, 2005. (factor impact 0,25) http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=CitationReport&qid=3&SID=T2QsmsJcMa4gjZHySlk&page=1&doc=10	(25+30*0.25)/1	32,5
		Oprea M. , <i>The use of adaptive negotiation by a shopping agent in agent-mediated electronic commerce</i> , 3rd International Central and Eastern European Conference on Multi-Agent Systems (CEEMAS), June 2003, Prague, Czech Republic, Multi-Agent Systems and Applications III, Book Series: Lecture Notes in Artificial Intelligence, Springer, Vol. 2691, pp. 594-605, 2003. (factor	(25+30*0.25)/1	32,5

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			Total (A2.1)		1610,507
Activitatea de cercetare (A2)	Articole in reviste, si în volumele unor manifestări științifice indexate in alte baze de date internaționale recunoscute (BDI)	A2.2		20 / nr. autori	
			Marica E., Oprea M. , An Arduino-Based Intelligent System for Drinking Water Quality Analysis, <i>Journal of Electrical Engineering, Electronics, Control and Computer Science – JEEECCS</i> , Volume 11, 2025.	20/1	20
			Oprea M., Knowledge Modelling for Teaching and Learning Artificial Intelligence by Using Educational Robots, <i>Proceedings of ICVL 2024</i> , 397-406. https://doi.org/10.58503/icvl-v19y202433	20/1	20
			Stan C., Oprea M. , On the development of educational resources for smart industrial manufacturing teaching and learning, <i>Proceedings of ICVL 2023</i> , Bucharest, October 2023, pag. 57-66. https://doi.org/10.58503/icvl-v18y202304 .	20/2	10
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			Nica C., Oprea M. , Stan A.C., On the Development of a Mobile TurtleBot3 Burger Multi-robot System for Manufacturing Environment Monitorization, <i>PROCEEDINGS OF EMERGING TRENDS AND TECHNOLOGIES ON INTELLIGENT SYSTEMS (ETTIS 2021)</i> , 2022, Volume 1371, Page 323-337, DOI 10.1007/978-981-16-3097-2_27	20/3	6.67
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			Oprea M. , An OWL prototype educational ontology for functional programming, <i>Proceedings of ICVL 2018</i> , Alba Iulia, Oct 2018, p. 51-56. http://c3.icvl.eu/2018/proceedings	20 / 1	20
			Oprea M. , S. T. Groza, G. B. Bucur, A model for teaching university courses by integrating modern technologies and its application to the artificial intelligence course, <i>Proceedings of ICVL 2018</i> , Alba Iulia, Oct 2018, p. 57-62. http://c3.icvl.eu/2018/proceedings	20 / 3	6,67
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			http://www.actapress.com/Abstract.aspx?paperId=27007 http://www.actapress.com/Content_Of_Proceeding.aspx?ProceedingID=382		851,72
			Total (A2.2)		
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	
			Proiect european de cercetare SEE: ROKIDAIR - <i>Towards a better protection of infants against air pollution threats in the urban areas of Romania</i> , contract de cercetare nr. 20SEE/30.06.2014, MEN-ANCS, 2014- 2017 ; Coordonator: Universitatea Valahia din Targoviste, Parteneri: NILU, Norvegia; UPG Ploiesti, Universitatea Politehnica din Bucuresti. – Responsabil partener UPG	20 * 3	60
			Proiect european de cercetare FP5 - EVP3-2002-00506, <i>Multi-Pollutant Multi-Effect Assessment of Air Pollution Control Strategies - an integrated approach</i> , UE, Coordonator: University of Stuttgart, Germania; 2002-2004. – Responsabil partener UPG	20 * 2	40
		A2.4.1.2.	naționale	10 * ani desfășurare	
			Proiect de cercetare postdoctorala: CEEX nr. 1533/2006, <i>Studiul aplicării inteligenței artificiale în protecția mediului</i> , MedC-UEFISCSU, 2006-2008, 3 cercetatori postdoctoranzi – Director de proiect	10 * 2	20
			Proiect de cercetare CEEX (CNMP-INFOC) nr. 645/2006, <i>Strategii, sisteme, metode și instrumente pentru managementul cunoașterii în universități</i> (1.08.2006-30.06.2007), Coordonator: ASE Bucuresti – Director de proiect	10 * 1	10
			Grant de cercetare CNCSIS AT429/2003, <i>Sistem expert prototip pentru diagnoza poluării atmosferice</i> , 2003 – Director de proiect	10 * 1	10
			Grant de cercetare CNCSIS AT18/2002, <i>Dezvoltarea unui sistem bazat pe cunoștințe pentru acordarea optimă a buclelor de reglare</i> , 2002 – Director de proiect	10 * 1	10
			Proiect de cercetare INFOC nr. 58/8.08.2002, <i>Interfață inteligentă pentru recunoașterea caracterelor scrise de mână</i> , 2002-2003 – Director de proiect	10 * 1	10
			Grant de cercetare CNCSIS AT221/2001, <i>Dezvoltarea unui sistem bazat pe cunoștințe pentru acordarea optimă a buclelor de reglare</i> , 2001 – Director de proiect	10 * 1	10

		Membru în echipă	A2.4.2. 1.	internaționale	4 * ani desfășurare	
			A2.4.2. 2.	naționale	2 * ani desfășurare	
				Proiect de cercetare PN-II, contract nr. 71-006/18.09.2007, <i>INTELCHIM - Modelare și conducere automată utilizând instrumente ale inteligenței artificiale pentru aplicații în chimie și inginerie de proces</i> , CNMP, Coordonator: Universitatea Tehnică Gh. Asachi din Iași, 2010.	2 * 1	2
				Proiect de cercetare PN II 143/2007, <i>Dezvoltarea unui laborator pentru aplicarea tehnologiilor CIM</i> , ANCS, 2007-2009.	2 * 1	2
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				Grant CNFIS 39691/1999-2002, <i>Model de software integrat de tip multimedia pentru învățare interactivă generat la Universitatea Petrol-Gaze din Ploiești</i> , 1999-2002.	2 * 2	4
				Proiect MOSS, contract nr. C020/1994, cod UNESCO 1203/18, <i>Cercetari si experimentari privind functionarea sistemelor deschise</i> , 1994.	2 * 1	2
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				Total A2.4.2.2		14
		Total A2.4				184
TOTAL A2						2646,227
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	
			1. Lucrare citată: Oprea M., <i>An Adaptive Negotiation Model for Agent-Based Electronic Commerce</i> , Studies in Informatics and Control (SIC), Vol. 11, No. 3, pp. 271-279, 2002. http://sic.ici.ro/sic2002_3/art5.pdf Lucrare care citează: <i>Negotiating with bounded rational agents in environments with incomplete information using an automated agent</i> , R Lin, S Kraus, J Wilkenfeld, J Barry, <i>Artificial Intelligence</i> , vol 172, No. 6-7, pp. 823-851, April 2008 – Elsevier (ISI) http://www.sciencedirect.com/science/article/pii/S0004370207001518 ; doi:10.1016/j.artint.2007.09.007	8 / 1	8	
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		<p>5. Lucrare citată: Idem Lucrare care citează: <i>An efficient multilateral negotiation system for pervasive computing environments</i>, S Park, SB Yang - <i>Engineering Applications of Artificial Intelligence</i>, Vol. 21, No. 4, pp. 633-643, June 2008 – Elsevier (ISI); http://www.sciencedirect.com/science/article/pii/S0952197607000942; doi:10.1016/j.engappai.2007.07.005</p>	8 / 1	8
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			102. Lucrare citată: A Case Study of Multi-Robot Systems Coordination using PSO simulated in Webots, Stan A. C., Oprea M., Proceedings of the 11th International Conference on Electronics, Computers and Artificial Intelligence, ECAI 2019, Conference Paper, 2019, DOI: 10.1109/ECAI46879.2019.9042144 Lucrare care citează: Four-Degree Digital Twin Robotic Arm in Webots Environment, Luis Aníbal Córdova, Juan Pablo Vaca, Jordi Fernando Sánchez, Viviana Moya, Andrea Pilco, 6th International Conference on Robotics Intelligent Control and Artificial Intelligence Ricai 2024, pp. 11–15	4/2	2

			<p>103. Lucrare citată: A Case Study of Multi-Robot Systems Coordination using PSO simulated in Webots, Stan A. C., Oprea M., Proceedings of the 11th International Conference on Electronics, Computers and Artificial Intelligence, ECAI 2019, Conference Paper, 2019, DOI: 10.1109/ECAI46879.2019.9042144</p> <p>Lucrare care citează: Sweeping-Based Multi-Robot Exploration in an Unknown Environment Using Webots, Nirali Sanghvi; Rajdeep Niyogi, Alfredo Milani, International Conference on Agents and Artificial Intelligence, 1, pp. 248–255, 2024</p>	4/2	2
			<p>104. Lucrare citată: A knowledge modelling framework for intelligent environmental decision support systems and its application to some environmental problems, Oprea, Mihaela, Published 2018, Environmental Modelling & Software https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000451323500007</p> <p>Lucrare care citează: AI-Based Environmental Information System for Decision-Making in Public Administrations, Maria S. García-González, Enrique Paniagua-Aris, Rodrigo Martínez-Béjar, AI and Emerging Technologies Automated Decision Making Digital Forensics and Ethical Considerations, pp. 103–122, 2024</p>	4/1	4
			<p>105. Lucrare citată: Computational Intelligence-based PM2.5 Air Pollution Forecasting, Oprea, M. ; Mihalache, S. F. ; Popescu, M., Published 2017, INTERNATIONAL JOURNAL OF COMPUTERS COMMUNICATIONS & CONTROL https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000402475300005</p> <p>Lucrare care citează: Accurate Model for Forecasting PM2.5 Concentrations in Hat Yai, Songkhla, Thailand: The ARIMA-ANN-REG Hybrid Approach via AAR4PM, Sasira Choojam, Jularat Chumnaul, Korakot Wichitsa-nguan Jetwanna, Environmentasia, 17(2), pp. 1–15, 2024</p>	4/3	1,33
			<p>106. Lucrare citată: A Neural Network Based Model for PM2.5 Air Pollutant Forecasting, Oprea, Mihaela ; Popescu, Marian ; Mihalache, Sanda Florentina, Published 2016 [2016 20TH INTERNATIONAL CONFERENCE ON SYSTEM THEORY, CONTROL AND COMPUTING (ICSTCC)]https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000391609900132</p> <p>Lucrare care citează: Statistical Approaches for Forecasting Air pollution: A Review, Marada Srinivasa Rao, Bangaru Sailaja, Mugada Swetha, Gorle Kumari, Bodduru Keerthana & Bosubabu Sambana, Springer Proceedings in Mathematics and Statistics, 438 SPMS, pp. 37–44, 2024</p>	4/3	1,33
			<p>107. Lucrare citată: Applying computational intelligence to wastewater treatment performance evaluation in the case of refineries, Carbuoreanu M., Oprea M., IFAC Proceedings Volumes (IFAC-PapersOnline)Conference PaperOpen Access, 2013, DOI: 10.3182/20130522-3-RO-4035.00002</p> <p>Lucrare care citează: Emerging AI Technologies in Wastewater Treatment, Anshi Singhal, Pooja & Laishram Saya, Sunita Hooda, Application of Artificial Intelligence in Wastewater Treatment, pp. 245–263, 2024</p>	4/2	2
			<p>108. Lucrare citată: A multi-agent system for power plants air pollution monitoring, Dragomir E. G., Oprea M., IFAC Proceedings Volumes (IFAC-PapersOnline), Conference Paper, Open Access, 2013, DOI: 10.3182/20130522-3-RO-4035.00017</p> <p>Lucrare care citează: Towards an energy management system based on a multi-agent architecture and LSTM networks, Seif Eddine Bouziane, Mohamed Tarek Khadir, Journal of Experimental and Theoretical Artificial Intelligence, 36(4), pp. 469–487, 2024</p>	4/2	2
			<p>109. Lucrare citată: The neural network-based forecasting in environmental systems, Oprea M., Matei A., WSEAS Transactions on Systems and Control, 2010</p> <p>Lucrare care citează: Evaluation of a transformer-based model for the temporal forecast of coarse particulate matter (PMCO) concentrations, Luis Eduardo Mauricio-Álvarez, Marco Antonio Aceves-Fernandez, Jesús Carlos Pedraza-Ortega & Juan Manuel Ramos-Arreguín, Earth Science Informatics, 17(4), pp. 3095–3110, 2024</p>	4/2	2
			<p>110. Lucrare citată: Applications of multi-agent systems, Oprea M., (2004) IFIP Advances in Information and Communication, Technology, 157 , pp. 239-270.</p> <p>Lucrare care citează: Enhancing Hadoop distributed storage efficiency using multiagent systems, Rabie Mahdaoui, Manar Sais, Jaafar Abouchabaka, Najat Rafalia, Indonesian Journal of Electrical Engineering and Computer Science, 34(3), pp. 1814–1822, 2024</p>	4/1	4
			<p>111. Lucrare citată: Applications of multi-agent systems, Oprea M., (2004) IFIP Advances in Information and Communication, Technology, 157 , pp. 239-270.</p>	4/1	4

			Lucrare care citează: Multi-agent based Arabic speech synthesis, Hanane Tebbi & Maamar Hamadouche, International Journal of Speech Technology, 27(1), pp. 1–17, 2024		
			112. Lucrare citată: Applications of multi-agent systems, Oprea M., (2004) IFIP Advances in Information and Communication, Technology, 157 , pp. 239-270. Lucrare care citează: Distributed Learning Dynamics Converging to the Core of B-Matchings, Aya Hamed, Jeff S. Shamma, Proceedings of the IEEE Conference on Decision and Control, pp. 3215–3220, 2024	4/1	4
			113. Lucrare citată: Applications of multi-agent systems, Oprea M., (2004) IFIP Advances in Information and Communication, Technology, 157 , pp. 239-270. Lucrare care citează: Application of Multi-Agent Systems: Modeling of Interacting Tanks, Silvana Gamboa, Jackeline Abad Torres, Engineering Proceedings, 77(1), 33, 2024	4/1	4
			114. Lucrare citată: A university knowledge management tool for academic research activity evaluation, Oprea M., Informatica Economică, 15(3), 58-71, 2011. Lucrare care citează: Bibliometric Analysis of Artificial Intelligence's Impact on Education: A Comprehensive Overview, Ina Nimerenco, Ana Maria Badea, Annals of “Dunarea de Jos” University of Galati, Fascicle I. Economics and Applied Informatics, Years XXX – no 3/2024	4/1	4
			Total 114 citări în publicații indexate în BDI		362.32
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	
			Revista internațională indexată ISI: <i>AiCommunications</i> , Guest editor (2005). http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=123&SID=S1cn4dAkCu e52ly1rFe&page=1&doc=1		10
			Revista internațională indexată ISI: <i>Environmental Engineering and Management Journal (EEMJ)</i> , Guest editor (2010); Proc. of AIAEP 2009. http://omicron.ch.tuiasi.ro/EEMJ/issues/vol9/vol9no2.htm		10
			Total (A3.2)		20
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.				
			Editor asociat din 2008 la Revista internațională (indexată BDI): <i>International Journal of Artificial Intelligence (IJAI)</i> . http://ceser.in/ceserp/index.php/ijai/pages/view/eb-ijai		6
			Revista indexată BDI: <i>Buletinul UPG Ploiesti, seria matematica-informatica-fizica (BMIF)</i> , membru colectiv de redacție (2007-2010). http://bmif.unde.ro/?p=board		6
			Membru comitet științific internațional IFIP International Conference on Artificial Intelligence Applications and Innovations (AIAI), 2016 , Greece. https://conferences.cwa.gr/aiai2016/index.html		6
			Membru comitet științific internațional EANN 2016 , https://conferences.cwa.gr/aiai2016/index.html		6
			Membru comitet științific internațional EANN 2015 , http://delab.csd.auth.gr/eann2015/		6
			Membru comitet științific internațional BCI 2015 , http://software.ucv.ro/BCI2015/		6
			Membru comitet științific internațional CCIA'2014, Barcelona, Spain http://www.maia.ub.es/~ccia2014/en/index.php?id=comites		6

		Membru comitet stiintific international IFIP International Conference on Artificial Intelligence Applications and Innovations (AIAI), 2014, Greece. http://delab.csd.auth.gr/aiai2014/program_committee.php	6
		Membru comitet stiintific international IFIP AIAI 2013, Paphos, Cyprus, 2013 http://aiai2013.cut.ac.cy/program-comitee/	6
		Membru comitet stiintific international IFIP AIAI, Halkidiki, Greece, 2012 http://delab.csd.auth.gr/aiai2012/program%20committee.php	6
		Membru comitet stiintific international EANN 2013, Halkidiki, Greece http://delab.csd.auth.gr/eann2013/program%20committee.php	6
		Membru comitet stiintific international ICANN 2010, Thessaloniki, Greece http://delab.csd.auth.gr/icann2010/organization.html	6
		Membru comitet stiintific international IDC 2010, Tangier, Marroco http://www.ieee.ma/~idc2010/committees.html	6
		Membru comitet stiintific international IDC 2012, Calabria, Italy http://idc2012.deis.unical.it/committees.html	6
		Membru comitet stiintific international IDC 2007, Craiova, Romania http://software.ucv.ro/~cbadica/idc2007/committees.html	6
		Membru comitet stiintific international WASA 2014, Thessaloniki, Greece http://perun.pmf.uns.ac.rs/events/wasa2014/committes.html	6
		Membru comitet stiintific international BCI 2019 , Sofia, Bulgaria http://bci2019.cceng.eu	6
		Membru comitet stiintific international IDC 2019 , St. Petersburg, Russia http://www.idc2019.ru	6
		Membru comitet stiintific international INISTA 2019 , Sofia, Bulgaria http://www.inista.org	6
		Membru comitet stiintific international EANN 2018 , Bristol, UK http://www.eann2018.org	6
		Membru comitet stiintific international IDC 2017 , Belgrad, Serbia http://idc2017.pmf.uns.ac.rs/	6
		Membru comitet stiintific international INISTA 2017 , Gdynia, Poland http://inista.org/inista17/	6
		Membru comitet stiintific international ICC 2017 , Sinaia, Romania http://ace.ucv.ro/iccc2017/	6
		Membru comitet stiintific international EANN 2017 , Athens, Greece https://conferences.cwa.gr/eann2017/	6
			6

			Membru comitet stiintific international ICVL 2007-2022 http://www.c3.icvl.eu/2014/committees		
			Membru comitet si Organizator workshop international BESAI 2004, Valencia, Spania (August 2004) – ECAI 2004		6
			Membru comitet si Organizator workshop international BESAI 2006, Riva del Garda, Italia (August 2006) – ECAI 2006		6
			Membru comitet si Organizator de workshop international AIAEP 2009, Thessaloniki, Grecia (Aprilie 23-25, 2009) - IFIP AIAI 2009		6
			Membru comitet si Organizator de workshop international ISQL 2012, Halkidiki, Grecia (Sept 27-30, 2012) – IFIP AIAI 2012		6
			Membru comitet si Organizator de workshop international WOKB 2015, Craiova, Romania (Sept 2015) – BCI 2015		6
			Membru comitet stiintific international ICVL 2023-2026 http://icvl.eu		6
			Membru comitet stiintific international IFIP AIAI 2020, 2021, 2022, 2023		6
			Membru comitet stiintific international ICANN 2020, 2022		6
			Membru comitet stiintific international INISTA 2021, 2022, 2023, 2025		6
			Membru comitet stiintific international KEOD 2024, 2025		6
			Membru comitet stiintific international ICAART 2025, 2026		6
			Membru comitet stiintific international IDC 2022, 2023, 2024		6
			Membru comitet stiintific international MIKE 2020, 2021		6
			Membru comitet stiintific international ACIIDS 2022		6
			Membru comitet stiintific international EANN 2020, 2021, 2022		6
			Total (A3.3)		240
	Premii în domeniu conferite de Academia Română, ASTR, AOSR sau premii internaționale de prestigiu	A3.4.		15/ premiu	
			Academia Romana, ASTR, academii de ramura, premii internationale Academii de ramura – Premiul Academiei Oamenilor de Stiinta din Romania „Ioan Ursu” pentru monografia <i>Metode de evaluare a efectelor polurii aerului cu particule in suspensie asupra sanatatii copiilor</i> , Editura Matrix Rom 2014, premiat in Sept 2016		15
TOTAL A3			1587,83		

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 si 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 minime

Nr.crt.	Domeniul de activitate	Punctaj impus	Punctaj realizat	Criteriu îndeplinit (DA/NU)
A1	Activitate didactică / profesională (A1)	100	684,587	DA
A2	Activitatea de cercetare (A2)	600	2646,227	DA
A3	Recunoașterea impactului activității (A3)	150	1587,83	DA
	TOTAL (A)	850	4918,644	DA

Condiții minime obligatorii pe subcategorii

Criteriu / condiție pe subcategorii		Impus	Realizat	Îndeplinit
A1.1.1 – A1.1.2	Cărți de specialitate	1 carte	8	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	53 din care 2 în reviste cotate ISI Q1	DA NU
A2.4.1.	Granturi / proiecte de cercetare câștigate prin competiție (Director / Responsabil partener)	2	8	DA
A3.1.1	Număr de citări în cărți, reviste cotate ISI și volume ale unor manifestări științifice ISI (WOS)	25	163	DA
	Factor de impact ISI cumulat pentru publicații	10	24,445	DA