

UNIVERSITATEA POLITEHNICA DIN BUCUREȘTI

FIȘA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR DE PREZENTARE LA CONCURS [ABILITARE]

CANDIDAT DOBRE ALEXANDRU

Condiții	Îndeplinire condiții	
A. Doctor	Diplomă de Doctor în domeniul Inginerie mecanică, nr. 286 din 18.12.2015 Școala Doctorală de Ingineria și Managementul Sistemelor Tehnologice / Departamentul de Rezistența Materialelor / Universitatea POLITEHNICA din București, Septembrie 2015	
B. Îndeplinirea standardelor minime naționale conform OMENCS Nr. 6129 / 20.12.2016 [MO, I, 123 / 15.02.2017]	Standarde îndeplinite, conform Comisiei CNATDCU Nr. 13, Inginerie Aerospațială, Autovehicule și Transporturi Anexată: Fișa de calcul și de susținere a îndeplinirii standardelor minime specifice domeniului, în acord cu realizările menționate:	
Condiții minime [Punctaj]	Minim prevăzut	Realizat
A1. Activitatea didactică și profesională	180	209,12
A2. Activitatea de cercetare științifică	200	333,86
A3. Recunoașterea și impactul activității	100	526,94
TOTAL (A)	480	1069,92
Condiții minime obligatorii pe subcategorii [13]	Minim prevăzut	Realizat
A.1.1.1. Cărți / capitole, ca autor, în edituri naționale sau internaționale în cărți de specialitate	4	4 (toate prim autor)
A.1.2.1. Manuale didactice/monografii	2, din care 1 prim-autor	2, din care 1 prim autor
A.1.2.2. Îndrumare de laborator / aplicații	2, din care 1 prim-autor	2, din care 2 prim autor
A. 2.1. Articole în extenso în reviste cotate ISI, proceedings indexate ISI Thomson Reuters sau SAE	11 articole sau 60 puncte, din care min. 1 articol în revistă cotată ISI	147,57 puncte, 1 articol în revistă cotată ISI, FI 3,3, Q2
A. 2.3. Articole publicate în reviste naționale și volumele ale unor manifestări științifice indexate în BDI recunoscute de comisia CNATDCU	5 articole, 30 puncte	20 articole, 144,63 puncte
A. 2.5.1. Granturi / proiecte câștigate prin competiție / de cercetare / consultanță pentru mediul economic (Director / responsabil)	Min. 2 granturi sau val. contracte cu mediul economic min. 200000 lei	2 granturi
A. 3.1. Citări în reviste ISI și BDI (fără autocitări)	40 puncte	219,94 puncte
C. Atestarea studiilor (diplomă + Foi Matricole) și a altor realizări profesionale	Diplomă de Licență , în domeniul Ingineria autovehiculelor, nr. 0991 din 19.07.2010 Departamentul Autovehicule Rutiere / Facultatea de Transporturi / Universitatea POLITEHNICA din București, Iulie 2010	

	Diplomă de Master, în domeniul Ingineria autovehiculelor, nr. 2724 din 21.01.2013 Departamentul Autovehicule Rutiere / Facultatea de Transporturi / Universitatea POLITEHNICA din București, Iulie 2012 Diplomă de Licență, în domeniul Economie, nr. 2908 din 07.04.2025 / Departamentul Economie Agroalimentară și a Mediului / Facultatea de Economie Agroalimentară și a Mediului / Academia de Studii Economice din București, Iulie 2024 Alte Certificate Certificat de Absolvire Nivelul I, nr. 0680 din 12.09.2011 Departamentul pentru Pregătirea Personalului Didactic / Universitatea POLITEHNICA din București, Iulie 2010 Certificat de Absolvire Nivelul II, nr. 1041 din 27.02.2012 Departamentul pentru Pregătirea Personalului Didactic / Universitatea POLITEHNICA din București, Iunie 2011 Certificat de Competențe Profesionale, nr. 152 din 17.07.2006 Colegiul Economic VIILOR, Mai 2006 Alte Acte de atestare a studiilor/realizărilor profesionale Diplomă de absolvire Curs universitar de formare-Turism Departamentul de Pregătirea Personalului și științe socio-umane / Universitatea POLITEHNICA din București, Mai 2009 Certificate of Attendance Curs de formare-Innovative Techniques for Data Security: A view of the Cryptographic Algorithms in a Virtual World (2 ECTS) Kadir Has University / ThinkBS: Basic Sciences in Engineering Education Erasmus+ Project, Martie 2021 Certificate of Attendance Curs de formare-Innovative Techniques for Data Security: Applied Cryptography in Information Security (2 ECTS) Kadir Has University / ThinkBS: Basic Sciences in Engineering Education Erasmus+ Project, Martie 2021 Certificate of Completion Curs de formare-An introduction to Peer Review Clarivate / Web of Science Academy, Iunie 2021 Certificate of Completion Curs de formare-Reviewing in the Sciences Clarivate / Web of Science Academy, Iunie 2021 Certificate of Completion Curs de formare-Mentoring in Peer Review Clarivate / Web of Science Academy, Iunie 2021 Certificate of Completion Curs de formare-Good Citation Behavior Clarivate / Web of Science Academy, Iunie 2021
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Candidat

Data 27.05.2026

ÎN CONTINUARE: Fișa de calcul și de susținere a îndeplinirii standardelor minime specifice domeniului, în acord cu realizările menționate

Nr. crt.	Domeniul	Tipul activităților	Categorii și restricții	Subcategorii	Indicatori	Detaliiere	Puncte	Dovada
0	1	2	3	4	5	6	7	
1	Activitatea didactică și profesională	1.1 Cărți și capitole în cărți de specialitate	1.1.1 Cărți/capitole, ca autor, în edituri naționale sau internaționale	1.1.1.2 naționale	Nr.pag./ (5*nr. autori)	1. DOBRE, A., ALEXA, O. (2021) <i>Infrastructura Rutieră: Drumuri și autovehicule</i>, Editura Academiei Tehnice Militare "Ferdinand I", București, România, ISBN: 978-973-640-326-2, pag. 211	21,10	 IR.pdf
						2. DOBRE, A., MATEESCU, V.A. (2019) <i>Sisteme de frânare pentru autovehicule: Construcție și proiectare</i>, Editura Politehnica Press, București, România, ISBN 978-606-515-876-4, pag. 428	42,80	 SF.pdf
						3. DOBRE, A., MATEESCU, V.A. (2018) <i>Sisteme de direcție pentru automobile: Construcție și proiectare</i>, Editura Politehnica Press, București, România, ISBN 978-606-515-813-9, pag. 251	25,10	 SD.pdf
						4. DOBRE, A.; MATEESCU, V.A., (2018), <i>Punți și suspensii pentru automobile: Construcție și proiectare</i>, ediția a 2-a revizuită și adăugită, Editura Politehnica Press, București, România, ISBN: 978-606-515-825-2, pag. 375	37,50	 PS.pdf
			1.1.2. Cărți, ca editor	1.1.2.2 naționale	Nr.pag./ (7*nr. editori)	1. ANDREESCU, C.N.; CLENCI, A.; OPREAN, I.M.; DOBRE, A.; MICU, D.A. and NUȚU, N.C., (2015), <i>European Automotive Congress EAEC-ESFA 2015</i>, Publisher Politehnica Press, ISSN 2067-1083, november 25-27, Bucharest, Romania, under the patronage of FISITA, pp. 249	5,92	 Volum EAEC-ESFA 2015_Editura Politef
		Total I					132,42	-
		1.2 Materiale didactice/lucrări didactice	1.2.1 Manuale didactice/monografii		Nr.pag./ (10*nr. autori)	1. DOBRE, A. (2023) <i>Sistemele motocicletei</i>, Editura Matrix Rom, București, România, ISBN 978-606-25-0795-4, pag. 142	14,20	 SM.pdf
						2. ALEXA, O., ILIE, C.O., TRUȚĂ, M., DOBRE, A., SAVA, A.C. (2021) <i>Bazele Ingineriei Autovehiculelor Militare pe Șenile</i>, Editura Academiei Tehnice Militare "Ferdinand I", București, România, ISBN: 978-973-640-327-9, pag. 200	4	 BA.pdf
			1.2.2 Îndrumare de laborator/Aplicații		Nr.pag./ (20*nr. autori)	1. DOBRE, A. (2022) <i>Punți și Suspensii Moderne pentru Autovehicule-îndrumar de laborator</i>, Editura Matrix Rom, București, România, ISBN 978-606-25-0724-4, pag. 112	5,60	 PSM.pdf

				2. DOBRE, A., MATEESCU, V.A. (2020) <i>Direcții și Frâne pentru Autovehicule-îndrumar de laborator</i> , Editura Politehnica Press, București, România, ISBN 978-606-515-813-9, pag. 116	2,90	 DF.pdf
		Total II			26,70	-
		1.4 Conducere proiecte de diplomă și disertație	1 / 1,5	Licențe: Anul 2025 1. Durigon Răzvan-Alexandru / ISPA 2. Sechea-Oancea Petre-Codruț / ISPA 3. Iacob Ciprian-Ioan / ISPA 4. Mălăescu Narcis-Ionuț / ISPA 5. Rădoi Romeo / ISPA 6. Ursei Narcis / ISPA 7. Sora Mihai-Cristian / AR 8. Firiceanu Iulia / AR Anul 2024 9. Vechiu Ionuț / AR 10. Vasilescu Tudor-Nicolae / AR 11. Mihalache Andrei-Cristian / ISPA Anul 2023 12. Iorgulescu Albert / AR 13. Iordache Alexandru / AR 14. Croitoru Bogdan / AR 15. Drăghici Cristian / AR 16. Dinu Viorel-Vasile / AR 17. Constantin Cătălin / ISPA 18. Kayed Fessal / ISPA Anul 2022 19. Ciobanu Gabriel-Iulian / AR 20. Ciobanu Robert-Ștefan / AR 21. Chiriac Alexandru / AR Anul 2021 Licență 22. Romanescu Paul-Mihai / AR 23. Cătănescu Adrian / AR 24. Corbu Teodor-Alexandru / AR 25. Ivașcu Alexabndru-Nicușor / AR 26. Vasile Daniel / ISPA 27. Salop Oana-Bianca / ISPA 28. Stoian Maria / ISPA 29. Bâldea Vlad-Aurel / ISPA 30. Constantin Radu / ISPA Anul 2020 31. Cîrlan Adrian / AR 32. Rusu Alin / AR	50 teme	 Declaratie_lozsa.pdf

				33. Drînceanu Florin-Daniel / AR 34. Marica Adrian-Ionuț / AR 35. Șalgău Ștefan / AR 36. Gheorghe Tite-Costel / AR 37. Paparete Denisa-Elena / AR 38. Șerdin Ciprian-Ionuț / AR 39. Ciobanu Giorginel-Claudiu / ISPA 40. Mihai-Dior Ștefan-Alexandru / ISPA Anul 2019 41. Nedelescu Malvina / AR 42. Tivig Filip / AR 43. Roman Ioan / AR 44. Florea Daniel / AR 45. Bibiriță Larisa / ISPA 46. Ștefana Dorin / ISPA 47. Badea Robert / ISPA Anul 2018 48. Popa Ciprian / AR 49. Apostoiu Alexandru / ISPA Anul 2017 50. Cozaciuc Andrei / AR		
				Disertații: 1. Bâldea Vlad-Aurel / Master STADA / 2024 2. Muraru Mihai-Cristian / Master STADA / 2022	2 teme	
		Total III			50	-
		Total A1 = Total I + Total II + Total III			209,12	-
2	Activitatea de cercetare științifică (A2)	2.1 Articole în extenso în reviste cotate ISI, proceedings indexate ISI Thomson Reuters sau SAE	(25+20*factor impact)/nr.aut ori	1. DOBRE., A. , PREDA, E. (2026) <i>An Empirical Assessment of Greenhouse Gas Emissions and Environmental Performance of Hybrid Vehicles in the European Union</i> , Sustainability 18(11), 5341. https://doi.org/10.3390/su18115341 , IF 3,3, Q2 2. O. ALEXA, I. COROPEȚCHI, A. VASILE, A. INDREȘ, L. BAROTHI, A. DOBRE, (2021), <i>Aspects related to propulsion system modeling and resistive forces for tracked vehicles</i> , Ingineria automobilului, Issue 60, ISSN 1842-4074, (https://siar.ro/wp-content/uploads/2021/08/rIA-60.pdf) WOS:000692037400008 3. DOBRE, A. (2020) <i>The Influence of the Excitation Signal on Magnetorheological Damper Dynamic Behaviour</i> , Ingineria automobilului, Issue 56, ISSN 1842-4074 https://siar.ro/wp-content/uploads/2020/09/rIA56i.pdf ,	45,5	 Sustainability.pdf
					4,16	https://0d10to5tf-y-https-www-webofscience-com.z-e-nformation.ro/wos/woscc/full-record/WOS:000692037400008
					25	https://0d10to5tf-y-https-www-webofscience-com.z-e-nformation.ro/wos/

				WOS:000565210700002		woscc/full-record/WOS:000565210700002
				4. DOBRE, A. (2019) <i>Theoretical Study Regarding the Fuel Consumption Performance for a Vehicle Equipped with a Mechanical Transmission</i> , Procedia Manufacturing, 2019, Vol. 32, ELSEVIER SCIENCE BV, Publisher, DOI: 10.1016/j.promfg.2019.02.250 , WOS: 000471295800075	25	https://0d10to5tf-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000471295800075
				5. A. DOBRE , (2018) The simulation of the dynamic behaviour for an elastic mechanical transmission of passenger car, Ingineria automobilului, Issue 48, ISSN 1842-4074 https://siar.ro/wp-content/uploads/2018/09/rIA48.pdf , WOS:000458322500008	25	https://0d10to5tf-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000458322500008
				6. DOBRE, A., VASILIU, N., ANDREESCU, C.N. , (2017) <i>Experimental Researches on the Magneto-Rheological Dampers Response to the Control Parameters</i> , CONAT 2016 International Congress of Automotive and Transport Engineering, Vol. I, DOI 10.1007/978-3-319-45447-4_28 , ISBN (Print) 978-3-319-45446-7, ISBN (Online) 978-3-319-45447-4, Accession Number: WOS: 000390821400028, Springer International Publishing, Switzerland.	8,33	https://0d10to5tf-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000390821400028
				7. STAN, C., C.N. ANDREESCU C., DOBRE, A., IOZSA, A.M. (2017) <i>Experimental Study on the Distillation Capacity of Alcohol-Gasoline Blends</i> , IOP Conference Series: Materials Science and Engineering, Vol. 252, No. 1, https://doi.org/10.1088/1757-899X/252/1/012069 , WOS: 000419817200069, IOP Publishing Ltd.	6,25	https://0d10to5tf-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000419817200069
				8. DOBRE, A., ANDREESCU, C.N., STAN, C. (2016) <i>The Influence of the Current Intensity on the Damping Characteristics for a Magneto-Rheological Damper of Passenger Car</i> , IOP Conference Series: Materials Science and Engineering, Vol. 147, Number 1, ISSN: 1757-8981, DOI 10.1088/1757-899X/147/1/012110 , Accession Number: WOS: 000390720200110, IOP Publishing	8,33	https://0d10to5tf-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000390720200110

			Ltd.		
		Total I		147,57	-
	2.3 Articole publicate în reviste naționale și volumelor unor manifestări științifice indexate BDI recunoscute de comisia CNATDCU		1. DOBRE, A., (2025) <i>Correlation Between CO₂ Emission and Fuel Consumption in Hybrid Vehicles</i>, In: Dima, A.M., Badarinza, C. (eds) Innovative Approaches in Economics, Leadership, and Technology. ICESS 2024. Springer Proceedings in Business and Economics. Springer, Cham. https://doi.org/10.1007/978-3-031-86989-1_5, SCOPUS	20	https://0d10eo5w6-y-https-www-scopus-com.z-e-nformation.ro/pages/publications/105004823725?origin=resultslist
			2. Dobre, A. (2023). <i>The Influence of the Anti-roll Bar Stabilizing Moment Generation on Its Different Constructive Areas Through Modeling</i>. In: Moldovan, L., Gligor, A. (eds) The 16th International Conference Interdisciplinarity in Engineering. Inter-Eng 2022. Lecture Notes in Networks and Systems, vol 605. Springer, Cham. https://doi.org/10.1007/978-3-031-22375-4_2 SCOPUS	20	https://0d10eo5w6-y-https-www-scopus-com.z-e-nformation.ro/pages/search/publications?searchId=6a051e87-c4c0-453d-9e78-570741eef51a
			3. Dobre, A., Chiriac, A. (2023). <i>Study on the Behavior of a Beam Prototype for a Van Rear Drive Axle</i>. In: Moldovan, L., Gligor, A. (eds) The 16th International Conference Interdisciplinarity in Engineering. Inter-Eng 2022. Lecture Notes in Networks and Systems, vol 605. Springer, Cham. https://doi.org/10.1007/978-3-031-22375-4_13 SCOPUS	10	https://0d10eo5w6-y-https-www-scopus-com.z-e-nformation.ro/pages/search/publications?searchId=17dc00d-72d0-45b2-aeb5-588f11005cac
			4. A. DOBRE, (2021) <i>Modelling the dynamic behaviour of car hydraulic dampers</i>, IOP Conference Series: Materials Science and Engineering Vol. 1091, https://doi.org/10.1088/1757-899X/1091/1/012018 , IOP Publishing Ltd. CrossRef	20	https://search.crossref.org/?from_ui=&q=https%3A%2F%2Fdoi.org%2F10.1088%2F1757-899X%2F1091%2F1%2F012018

			5. A. DOBRE, M.I. NEDELESCU, V.A. MATEESCU, (2019) <i>Study regarding the influence of the flexible lamella on the elastic characteristic for a suspension with longitudinal torsion bars</i>, IOP Conference Series: Journal of Physics, Vol. 1297, https://doi.org/10.1088/1742-6596/1297/1/012020 , IOP Publishing Ltd. SCOPUS	6,66	https://0d10eo5w6-y-https-www-scopus-com.z-e-nformation.ro/pages/publications/85074822320?origin=resultslist
			6. A. DOBRE, A. HADĂR, D. VASILIU, (2017) Correlation between Comfort and Energy Consumption for Automotive Suspensions, U.P.B. Sci. Bull., Series D, Vol. 79, Iss. 1, ISSN 1454-2358 https://www.scientificbulletin.upb.ro/static/pdfs/rez04f_566325.pdf , Publishing House Politehnica Press, SCOPUS	6,66	https://0d10eo5w6-y-https-www-scopus-com.z-e-nformation.ro/pages/publications/85014803882?origin=resultslist
			7. A. DOBRE, T. COJOCARU-GREBLEA, O.I. NICA, (2017) <i>The Behaviour of the Magnetorheological Fluids Dampers, with Small Energy Consumption</i>, 17th International Multidisciplinary Scientific GeoConference SGEM 2017, www.sgem.org, SGEM2017 Conference Proceedings, ISBN 978-619-7408-12-6 / ISSN 1314-2704, 29 June - 5 July, 2017, Vol. 17, Issue 61, DOI: https://doi.org/10.5593/sgem2017/61/S24.045, (https://epslibrary.at/sgem_jresearch_publication_view.php?page=view&editid1=4394) Albena, Bulgaria. SCOPUS	6,66	https://0d10eo5w6-y-https-www-scopus-com.z-e-nformation.ro/pages/publications/85032432759?origin=resultslist
			8. T. COJOCARU-GREBLEA, D. BONTOS, N. VASILIU, A. DOBRE, (2017) <i>Redundant Steering Systems for Articulated Vehicles</i>, 17th International Multidisciplinary Scientific GeoConference SGEM 2017, www.sgem.org, SGEM2017 Conference Proceedings, ISBN 978-619-7408-07-2 / ISSN 1314-2704, 29 June - 5 July, 2017, Vol. 17, Issue 42, 10.5593/sgem2017/42/S17.063, (https://epslibrary.at/sgem_jresearch_publication_view.php?page=view&editid1=3753) Albena, Bulgaria, SCOPUS	5	https://0d10eo5w6-y-https-www-scopus-com.z-e-nformation.ro/pages/publications/85032455373?origin=resultslist

			9. A DOBRE, A. HADĂR, D. VASILIU, N. VASILIU, C.N. ANDREESCU, (2016) <i>Modelling and Simulation of the Dynamic Behavior Automotive's Suspension by AMESim</i>, Proceedings of the European Automotive Congress EAEC-ESFA 2015, Vol. I, DOI 10.1007/978-3-319-27276-4_29, ISBN (Print): 978-3-319-27275-7, ISBN (Online): 978-3-319-27276-4, Springer International Publishing, Switzerland, CrossRef	4	https://search.crossref.org/search/works?q=Modelling+and+Simulation+of+the+Dynamic+Behavior+Automotive%E2%80%99s+Suspension+by+AMESim&from_ui=yes
			10. N. VASILIU, A. HADĂR, A. DOBRE, C. CĂLINOIU, C.N. ANDREESCU (2016) <i>Experimental Identification of the Automotive Magnetorheological Shock Absorbers</i>, Proceedings of the European Automotive Congress EAEC-ESFA 2015, Vol. I, DOI 10.1007/978-3-319-27276-4_6, ISBN (Print): 978-3-319-27275-7, ISBN (Online): 978-3-319-27276-4, Springer International Publishing, Switzerland, CrossRef	4	https://search.crossref.org/search/works?q=Experimental+Identification+of+the+Automotive+Magnetorheological+Shock+Absorbers&from_ui=yes
			11. A. DOBRE, N. VASILIU, C.N. ANDREESCU, (2016) <i>The Role of the Numerical Simulation in Optimization of the Automotive Systems</i>, 14th International Industrial Simulation Conference, ISC 2016, ISBN: 978-90-77381-93-9, EUROSIS-ETI Publication https://www.eurosis.org/cms/files/proceedings_full/ISC2016.deel1_2.07.16.pdf, SCOPUS	6,66	https://0d10eo5w6-y-https-www-scopus-com.z.e-nformation.ro/pages/publications/85011097319?origin=resultslist
			12. A. DOBRE, C. PANĂ, C. NUȚU, N. NEGURESCU, A. CERNAT, (2016) <i>The Influence of Butanol Use on the Diesel Engine's Performance</i>, Periodical Applied Mechanics and Materials, Vol. 822, Main Theme: Automotive and Transportation Engineering, Chapter 2: Engines and Fuels, DOI:10.4028/www.scientific.net/AMM.822.183, ISBN-13: print 978-3-03835-703-2 and eBook 978-3-0357-0191-3, Trans Tech Publications, Switzerland, CrossRef	4	https://search.crossref.org/search/works?q=The+Influence+of+Butanol+Use+on+the+Diesel+Engine%E2%80%99s+Performance&from_ui=yes

			13. C. NUȚU, C. PANĂ, A. DOBRE, N. NEGURESCU, A. CERNAT, (2016) <i>Theoretical and Experimental Study of the Fuelling a Truck Diesel Engine with Liquefied Petroleum Gas</i>, Periodical Applied Mechanics and Materials, Vol. 822, Main Theme: Automotive and Transportation Engineering, Chapter 2: Engines and Fuels, DOI: 10.4028/www.scientific.net/AMM.822.198, ISBN-13: print 978-3-03835-703-2 and eBook 978-3-0357-0191-3, Trans Tech Publications, Switzerland, CrossRef	4	https://search.crossref.org/search/works?q=Theoretical+and+Experimental+Study+of+the+Fueling+a+Truck+Diesel+Engine+with+Liquefied+Petroleum+Gas&from_ui=yes
			14. A. DOBRE, C. CĂLINOIU, T. COJOCARU-GREBLEA, O.I. NICA, (2015) <i>Correlation Between the Control Current and the Damping Effect for Magneto rheological Shock Absorbers</i>, U.P.B. Sci. Bull., Series D, Vol. 77, Issue 4, ISSN 1454-2358, Publishing House Politehnica Press https://www.scientificbulletin.upb.ro/static/pdfs/full17_964116.pdf, SCOPUS	5	https://0d10eo5w6-y-https-www-scopus-com.z-e-nformation.ro/pages/publications/85010737766?origin=resultlist
			15. A. DOBRE, C. PANĂ, C. NUȚU, N. NEGURESCU, A. CERNAT, I.D. BONDOC, (2015) <i>Aspects of the Butanol Use in the Compression Ignition Engine of the Automotive</i>, U.P.B. Sci. Bull, Seria D, Vol. 77, Iss. 1, ISSN 1454-2358, Publishing House Politehnica Press https://www.scientificbulletin.upb.ro/static/pdfs/fulla57_711410.pdf, SCOPUS	3,33	https://0d10eo5w6-y-https-www-scopus-com.z-e-nformation.ro/pages/publications/84926500884?origin=resultlist
			16. C. NUȚU, C. PANĂ, A. DOBRE, N. NEGURESCU, A. CERNAT, I.D. BONDOC, (2015) <i>Experimental Researches of Using LPG as a Fuel for a Car Diesel Engine</i>, U.P.B. Sci. Bull, Seria D, Vol. 77, Iss. 2, ISSN 1454-2358, Publishing House Politehnica Press https://www.scientificbulletin.upb.ro/static/pdfs/full4fa_126692.pdf, SCOPUS	3,33	https://0d10eo5w6-y-https-www-scopus-com.z-e-nformation.ro/pages/publications/84944723957?origin=resultlist
			17. A. DOBRE, C. PANĂ, C. NUȚU, N. NEGURESCU, A. CERNAT, I.D. BONDOC, (2014) <i>Bio-butanol – Alternative Fuel for Automotive Diesel Engine</i>, Inmateh Agricultural Engineering, Vol. 42, No. 1, Editura INMA Bucharest, e: ISSN 2068-2239, p: ISSN 2068-4215, (https://inma-ita.ro/inmateh/INMATEH_1_2014/19_Dobre.pdf) SCOPUS	3,33	https://0d10eo5w6-y-https-www-scopus-com.z-e-nformation.ro/pages/publications/84900460135?origin=resultlist

				18. C. NUȚU, C. PANĂ, A. DOBRE, N. NEGURESCU, A. CERNAT, (2014) <i>“Rearches Regarding the Use of Lpg at a Diesel Engine”</i> , INMATEH Agricultural Engineering, Vol. 42, No. 1, Editura INMA Bucharest, e: ISSN 2068-2239, p: ISSN 2068-4215, (https://inma-ita.ro/inmateh/INMATEH_1_2014/20_Nutu.pdf) SCOPUS	4	https://0d10eo5w6-y-https-www-scopus-com.z.e-nformation.ro/pages/publications/84900387541?origin=resultslist
				19. A. DOBRE, C. PANĂ, C. NUȚU, N. NEGURESCU, A. CERNAT, (2014) <i>Theoretical and Experimental Researches Regarding the Use of Butanol at Diesel Engine</i> , Periodical Applied Mechanics and Materials, Vol. 659, Main Theme: Advanced Concepts in Mechanical Engineering II, Chapter 2: Design of Vehicles and Combustion Engines, DOI: 10.4028/www.scientific.net/AMM.659.183 , ISBN-13: print 978-3-03835-272-3 and eBook 978-3-03826-656-3, Trans Tech Publications, Switzerland	4	https://0d10eo5w6-y-https-www-scopus-com.z.e-nformation.ro/pages/publications/84920676793?origin=resultslist
				20. C. NUȚU, C. PANĂ, A. DOBRE, N. NEGURESCU, A. CERNAT, (2014) <i>Experimental and Theoretical Aspects of Fuelling a Diesel Engine with Liquefied Petroleum Gases</i> , Periodical Applied Mechanics and Materials, Vol. 659, Main Theme: Advanced Concepts in Mechanical Engineering II, Chapter 2: Design of Vehicles and Combustion Engines, https://doi.org/10.4028/www.scientific.net/AMM.659.211 , ISBN-13: print 978-3-03835-272-3 and eBook 978-3-03826-656-3, Trans Tech Publications, Switzerland, SCOPUS	4	https://0d10eo5w6-y-https-www-scopus-com.z.e-nformation.ro/pages/publications/84920654327?origin=resultslist
				Total II	144,63	-
		2.4 Articole publicate în reviste naționale și în volume ale unor manifestări științifice naționale și internaționale	5/nr.autori	1. A. DOBRE, (2018) <i>Modelarea procesului de vaporizare a picăturii de combustibil</i> , Lucrări Științifice Vol. 51, Simpozionul Științific Internațional „Realizări și perspective în inginerie agrară și transport auto” dedicat aniversării a 85 ani de la fondarea Universității Agrare, Secția: Exploatarea și reparația autovehiculelor și utilajului agricol, ISBN 978-9975-64-300-9, Universitatea Agrară de Stat din Moldova, Facultatea de Inginerie Agrară și Transport Auto, Chișinău, Republica Moldova https://ibn.idsi.md/sites/default/files/imag_file/246-	5	https://ibn.idsi.md/ro/vizualizare_articol/96342#:~:text=CZU%3A-.504.61%3A621.43.068,-Pag.%20246%2D250

				250_5.pdf .		
				2. A. DOBRE , N. VASILIU, A. HADĂR, C.N. ANDREESCU, (2015) <i>Modeling and simulation of the car suspension with AMESim</i> , Proceedings of the X th Edition of the Annual Conference the Academic Days of the Academy of Technical Sciences in Romania, Publishing AGIR https://www.agir.ro/buletine/2617.pdf , ISSN 2066-6586.	1,25	https://www.semanticscholar.org/paper/MODELING-AND-SIMULATION-OF-THE-CAR-SUSPENSIONS-WITH-Dobre-VasilIU/79d95d0f05747e8b218101db3a12f54b3683e4d3
				3. A. DOBRE , C. IANCU, C. ATANASIU, D. VLĂSCEANU, (2008) <i>Deplasări într-un sistem de bare flexibil</i> , Rezumat XV, ISSN 1844-6620, București, publicat cu suportul Autorității Naționale pentru Cercetare Științifică.	1,25	 DEPLASARI INTR-UN SISTEM DE BARE FLE
Total III					7,50	-
2.5 Granturi / proiecte câștigate prin competiție / de cercetare / consultanță pentru mediul economic	2.5.1 Director/responsabil	2.5.1.2 Naționale	(10*nr.ani desfășurare) (1 an = 12 luni)	1. Titlul proiectului: Cercetări experimentale privind implementarea suspensiilor adaptive pe autovehiculele de teren, GEX 2016, ID: 520202831, Nr. contract finanțare 47/26.09.2016, Valoarea contractului: 22000RON, Durata contractului: 1 an	10	 Contract 1.pdf
				2. Titlul proiectului: <i>Cercetări privind performanțele suspensiilor active cu fluide magneto-reologice</i> , ARUT 2023, ID: 520235586, Nr. contract finanțare 152/04.12.2023, Valoarea contractului: 49725RON, Durata contractului: 2 ani	20	 Contract 2.pdf
	2.5.2 Membru în echipă	2.5.2.2 Naționale	(2*nr.ani desfășurare) (1 an = 12 luni)	1. Titlul proiectului: <i>Utilizarea vehiculelor la scară redusă pentru studiul dinamicii autovehiculelor rutiere</i> , Tipul proiectului: Grant Intern de Cercetare GEX 2016, Nr. contract finanțare 46/26.09.2016, Valoarea contractului: 22000RON, Durata contractului: 1 an	2	 Contract 3.pdf
				2. Titlul proiectului: <i>Susținerea creșterii capacității instituționale de cercetare a Universității Politehnica din București-CRESCDI</i> , Contract din cadrul subprogramului 1.2-Performanță instituțională, proiect de dezvoltare instituțională, proiecte de finanțare a excelenței în CDI, Nr. contract 25PFE/17.10.2018, Durata contractului: 13 luni (15.10.2019-29.11.2020), Funcția deținută în cadrul proiectului: Expert colectare date CDI	2,16	 Contract 4.pdf
Total IV					34,16	-

Total A2 = Total I + Total II + Total III + Total IV						333,86	-
3	Recunoașterea performanțelor profesionale și impactul activității (A3)	3.1 Citări în reviste ISI și BDI (fără autocitări)	3.1.1 ISI cu factor de impact	20/nr.autori	1. <u>Lucrare citată:</u> C. STAN, C.N. ANDREESCU, A. DOBRE, D.M. IOZSA, (2017) <i>Experimental Study on the Distillation Capacity of Alcohol-Gasoline Blends</i>, IOP Conference Series: Materials Science and Engineering, Vol. 252, No. 1, DOI: 10.1088/1757-899X/252/1/012069, WOS: 000419817200069, IOP Publishing Ltd. Citare 1: Emmanuel, J. K., Mgeni, S. T., Gervas, J. B., & Mtashobya, L. A. (2025). Bioethanol production from concentrated fruit wastes’ juice enhanced with fermentable sugar from millet (<i>Panicum miliaceum</i>). <i>Biofuels</i>, 16(5), 445-451. WOS:001369962100001 Citare 2: Schifter, I., Díaz, L., Sánchez-Reyna, G., González-Macias, C., González, U., & Rodríguez, R. (2020). Influence of gasoline olefin and aromatic content on exhaust emissions of 15% ethanol blends. <i>Fuel</i>, 265, 116950. WOS:000508914300050 Citare 3: Hájek, J., Hönig, V., Obergruber, M., Jenčík, J., Vráblík, A., Černý, R., ... & Herink, T. (2021). Advanced Biofuels Based on Fischer–Tropsch Synthesis for Applications in Gasoline Engines. <i>Materials</i>, 14(11), 3134. WOS:000660997700001	15	https://0d10to695-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:001369962100001 https://0d10to695-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000508914300050 https://0d10to695-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000660997700001
					2. <u>Lucrare citată:</u> A. DOBRE, C. PANĂ, C. NUȚU, N. NEGURESCU, A. CERNAT, I.D. BONDOC, (2014) <i>Bio-butanol – Alternative Fuel for Automotive Diesel Engine</i>, Inmateh Agricultural Engineering, Vol. 42, No. 1, Editura INMA Bucharest, e: ISSN 2068-2239, p: ISSN 2068-4215 Citare 1: Algayyim, S. J. M., Wandel, A. P., Yusaf, T., & Hamawand, I. (2018). Production and application of ABE as a biofuel. <i>Renewable and Sustainable Energy Reviews</i>, 82, 1195-1214. WOS:000417079400089	13,32	https://0d10to695-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000417079400089 https://0d10to695-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000417079400089

					Citare 2: Algayyim, S. J. M., Wandel, A. P., Yusaf, T., & Hamawand, I. (2017). The impact of n-butanol and iso-butanol as components of butanol-acetone (BA) mixture-diesel blend on spray, combustion characteristics, engine performance and emission in direct injection diesel engine. Energy, 140, 1074-1086. WOS:000415394200093 Citare 3: Algayyim, S. J. M., Wandel, A. P., & Yusaf, T. (2018). The impact of injector hole diameter on spray behaviour for butanol-diesel blends. Energies, 11(5), 1298. WOS:000435610300276 Citare 4: Algayyim, S. J. M., Wandel, A. P., & Yusaf, T. (2021). Mixtures of n-butanol and iso-butanol blended with diesel: experimental investigation of combustion characteristics, engine performance and emission levels in a compression ignition engine. Biofuels. WOS:000634937100008		woscc/full-record/WOS:000415394200093 https://0d10to695-y-https-www-webofscience-com.z.e-information.ro/wos/woscc/full-record/WOS:000435610300276 https://0d10to695-y-https-www-webofscience-com.z.e-information.ro/wos/woscc/full-record/WOS:000634937100008
				3. <u>Lucrare citată:</u> DOBRE A., (2019), Theoretical Study Regarding the Fuel Consumption Performance for a Vehicle Equipped with a Mechanical Transmission, Procedia Manufacturing, 2019, Vol. 32, ELSEVIER SCIENCE BV, Publisher, DOI: 10.1016/j.promfg.2019.02.250, WOS: 000471295800075 Citare 1: Gong, J., Shang, J., Li, L., Zhang, C., He, J., & Ma, J. (2021). A comparative study on fuel consumption prediction methods of heavy-duty diesel trucks considering 21 influencing factors. Energies, 14(23), 8106. WOS:000735294400001 Citare 2: Kononov, P. A., & Matveev, A. S. (2026). Distributed self-organisation of a homogeneous swarm of robots into a uniform closed-chain, with creating informational connectivity. International Journal of Control, 1-21. WOS:001673391600001	40	https://0d10to695-y-https-www-webofscience-com.z.e-information.ro/wos/woscc/full-record/WOS:000735294400001 https://0d10to695-y-https-www-webofscience-com.z.e-information.ro/wos/woscc/full-record/WOS:001673391600001	
				4.	40	https://0d10to695-y-https-www-webofscience-com.z.e-information.ro/wos/woscc/full-record/WOS:001673391600001	

					<u>Lucrare citată:</u> Dobre, A. (2021, February). Modelling the dynamic behaviour of car hydraulic dampers. In IOP Conference Series: Materials Science and Engineering (Vol. 1091, No. 1, p. 012018). IOP Publishing. Citare 1: Guan, J., Yao, Y., Zhao, W., Hagiwara, I., & Zhao, X. (2023). Development of an impact energy absorption structure by an arc shape stroke origami type hydraulic damper. Shock and Vibration, 2023(1), 4578613. WOS:001128741800001 Citare 2: Guan, J., Zuo, J., Zhao, W., Gomi, N., & Zhao, X. (2022). Study on hydraulic dampers using a foldable inverted spiral origami structure. Vibration, 5(4), 711-731. WOS:000904366000001		y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:001128741800001 https://0d10to695-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000904366000001
					5. <u>Lucrare citată:</u> A. DOBRE, C. N. ANDREESCU, C. STAN, (2016), <i>The Influence of the Current Intensity on the Damping Characteristics for a Magneto-Rheological Damper of Passenger Car</i>, IOP Conference Series: Materials Science and Engineering, Vol. 147, Number 1, ISSN: 1757-8981, DOI 10.1088/1757-899X/147/1/012110, Accession Number: WOS: 000390720200110, IOP Publishing Ltd. Citare 1: Lenggana, B. W., Ubaidillah, U., Imaduddin, F., Choi, S. B., Purwana, Y. M., & Harjana, H. (2021). Review of magnetorheological damping systems on a seismic building. Applied Sciences, 11(19), 9339. WOS:000707215500001 Citare 2: Yuan, X., Tian, T., Ling, H., Qiu, T., & He, H. (2019). A review on structural development of magnetorheological fluid damper. Shock and vibration, 2019(1), 1498962. WOS:000466696700001 Citare 3: Oprea, R. A., Tudorache, C. M., Spiroiu, M. A., Arsene, S., & Craciun, C. I. (2025). Comparative study of continuous versus discontinuous numerical	26,64	https://0d10to695-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000707215500001 https://0d10to695-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000466696700001 https://0d10to695-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:001612459700001

					models for railway vehicles suspensions with dry friction. <i>Applied Sciences</i>, 15(21), 11769. WOS:001612459700001 Citare 4: Ansari, M. A., Bisoi, A., & Biswas, A. (2026). An Overview of the Effective Parameters of Magnetorheological Damper for Controlling Vibration in Dynamic Systems. <i>Journal of Vibration Engineering & Technologies</i>, 14(3), 123. WOS:001696196400003		https://0d10to695-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:001696196400003
					6. Lucrare citată: T. COJOCARU-GREBLEA, D. BONTOS, N. VASILIU, A. DOBRE, (2017) <i>Redundant Steering Systems for Articulated Vehicles</i>, 17th International Multidisciplinary Scientific GeoConference SGEM 2017, www.sgem.org, SGEM2017 Conference Proceedings, ISBN 978-619-7408-07-2 / ISSN 1314-2704, 29 June - 5 July, 2017, Vol. 17, Issue 42, DOI: 10.5593/sgem2017/42/S17.063, Albena, Bulgaria Citare 1: Grigore, L. Ș., Gorgoteanu, D., Molder, C., Alexa, O., Oncioiu, I., Ștefan, A., ... & Bălașa, R. I. (2021). A dynamic motion analysis of a six-wheel ground vehicle for emergency intervention actions. <i>Sensors</i>, 21(5), 1618. WOS:000628556000001 Citare 2: Lin, X., Zhu, Y., & Xie, Z. (2022). Mechanics Modeling and Simulation Analysis of a Novel Articulated Chassis for Forestry. <i>Sustainability</i>, 14(23), 16118. WOS:000896278400001	10	https://0d10to695-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000628556000001 https://0d10to695-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000896278400001
					7. Lucrare citată: DOBRE, A., CĂLINOIU, C., COJOCARU-GREBLEA, T., & NICA, O. I. (2015). CORRELATION BETWEEN THE CONTROL CURRENT AND THE DAMPING EFFECT FOR MAGNETO RHEOLOGICAL SHOCK ABSORBERS. Citare 1: Marzbanrad, J., & Hosseini, S. S. (2019). A new semi-active magnetorheological engine mounts for	5	https://0d10to695-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000566788600001

					improving vehicle ride comfort using sliding mode controller. <i>International Journal of Nonlinear Analysis and Applications</i> , 10(Special Issue (Nonlinear Analysis in Engineering and Sciences)), 1-11.		
					8. Lucrare citată: C. NUȚU, C. PANĂ, A. DOBRE , N. NEGURESCU, A. CERNAT, (2014) “ <i>Rearches Regarding the Use of Lpg at a Diesel Engine</i> ”, INMATEH Agricultural Engineering, Vol. 42, No. 1, Editura INMA Bucharest, e: ISSN 2068-2239, p: ISSN 2068-4215 Citare 1: Percembli, C., Miron, L., Aldhaidhawi, M., & Chiriac, R. (2026). Bio-LPG as a Transition Fuel for Diesel Engine Vehicles Towards Cleaner Mobility. <i>Vehicles</i> , 8(4), 72. WOS:001750600100001	5	https://0d10to695-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:001750600100001
					9. Lucrare citată: A. DOBRE , (2018) The simulation of the dynamic behaviour for an elastic mechanical transmission of passenger car, Ingineria automobilului, Issue 48, ISSN 1842-4074, WOS:000458322500008 Citare 1: Heller, A. V., Filip, N., & Deac, T. (2023). Studies on the development of a reliability diagnosis for agricultural tractors gearboxes.	20	https://0d10to695-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:001165595900003
		3.1.2 ISI fără factor de impact		15/nr.autori	1. Lucrare citată: C. STAN, C.N. ANDREESCU, A. DOBRE, D.M. IOZSA, (2017) <i>Experimental Study on the Distillation Capacity of Alcohol-Gasoline Blends</i> , IOP Conference Series: Materials Science and Engineering, Vol. 252, No. 1, DOI: 10.1088/1757-899X/252/1/012069, WOS: 000419817200069, IOP Publishing Ltd. Citare 1: Mgeni, S. T., Mtashobya, L. A., & Emmanuel, J. K. (2025). Bioethanol production from fruit wastes juice using millet and sorghum as additional fermentable sugar. <i>Cleaner Energy Systems</i> , 10, 100177. WOS:001533675100005	3,75	https://0d10to695-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:001533675100005

					2. <u>Lucrare citată:</u> DOBRE, A., CĂLINOIU, C., COJOCARU-GREBLEA, T., & NICA, O. I. (2015). CORRELATION BETWEEN THE CONTROL CURRENT AND THE DAMPING EFFECT FOR MAGNETO RHEOLOGICAL SHOCK ABSORBERS. Citare 1: Hosseini, S. S., & Marzbanrad, J. (2019). Experimental Investigation and Semi-Active Control Design of a Magnetorheological Engine Mount. <i>Sound & Vibration</i>, 53(6).	3,75	https://0d10to695-y-https-www-webofscience-com.z-e-nformation.ro/wos/woscc/full-record/WOS:000515166700005
			3.1.3 BDI	10/nr.autori	1. <u>Lucrare citată:</u> C. STAN, C.N. ANDREESCU, A. DOBRE, D.M. IOZSA, (2017) <i>Experimental Study on the Distillation Capacity of Alcohol-Gasoline Blends</i>, IOP Conference Series: Materials Science and Engineering, Vol. 252, No. 1, DOI: 10.1088/1757-899X/252/1/012069, WOS: 000419817200069, IOP Publishing Ltd. Citare 1: Kumar, D. (2026). Effect of Retention Period on Stability of Ethanol Blended Motor Gasoline Blends in Various Storage Vessels. <i>Thermal Science and Applications</i>, 1(1), 50-64.	2,5	https://search.crossref.org/search/works?q=Effect+of+Retention+Period+on+Stability+of+Ethanol+Blended+Motor+Gasoline+Blends+in+Various+Storage+Vessels&from_ui=yes
			3.1.3 BDI	10/nr.autori	2. <u>Lucrare citată:</u> A. DOBRE, C. PANĂ, C. NUȚU, N. NEGURESCU, A. CERNAT, I.D. BONDOC, (2014) <i>Bio-butanol – Alternative Fuel for Automotive Diesel Engine</i>, Inmateh Agricultural Engineering, Vol. 42, No. 1, Editura INMA Bucharest, e: ISSN 2068-2239, p: ISSN 2068-4215 Citare 1: Kukharonak, H. M., Hershan, D. G., Klimuk, A. S., & . (2021). USE OF BUTANOL IN DIESEL ENGINES AS A MOTOR FUEL. <i>Mechanics of Machines, Mechanisms and Materials</i>, 2(55), 81–87. https://doi.org/10.46864/1995-0470-2021-2-55-81-87 Citare 2: Stanchev, H., & Markov, K. (2020).	3,32	https://search.crossref.org/search/works?q=https%3A%2F%2Fdoi.org%2F10.46864%2F1995-0470-2021-2-55-81-87&from_ui=yes https://search.crossref.org/search/works?q=INVESTIGATION+OF+DIESEL+ENGINE+OPERATED+WITH+DIESEL+FUEL-BUTANOL+BLE

					INVESTIGATION OF DIESEL ENGINE OPERATED WITH DIESEL FUEL-BUTANOL BLENDS AND CETANE IMPROVER. Mobility and Vehicle Mechanics, 46(1), 61–71. https://doi.org/10.24874/mvm.2020.46.01.05		NDS+AND+CETANE+IMPROVER&from_ui=yes
					3. <u>Lucrare citată:</u> DOBRE A., (2019), Theoretical Study Regarding the Fuel Consumption Performance for a Vehicle Equipped with a Mechanical Transmission, Procedia Manufacturing, 2019, Vol. 32, ELSEVIER SCIENCE BV, Publisher, DOI: 10.1016/j.promfg.2019.02.250, WOS: 000471295800075 <u>Citare 1:</u> BAYRAKÇEKEN, H., YAVUZ, H., AYSAL, F. E., & TÜRK BAY, T. (2020). Taşıtlarda Farklı Frenleme Basınçlarında Yakıt Tüketimi ve Fren Kuvvetlerinin Karşılaştırılması. Afyon Kocatepe University Journal of Sciences and Engineering, 20(2), 356–361. https://doi.org/10.35414/akufemubid.676472	10	https://search.crossref.org/search/works?q=Ta%C5%9F%C4%B1tlarda+farklı%C4%B1+frenleme+bas%C4%B1n%C3%A7lar%C4%B1nda+yak%C4%B1t+t%C3%BCketimi+ve+fren+kuvvetlerinin+kar%C5%9F%C4%B1la%C5%9Ft%C4%B1r%C4%B1lması&from_ui=yes
					4. <u>Lucrare citată:</u> Dobre, A. (2021, February). Modelling the dynamic behaviour of car hydraulic dampers. In IOP Conference Series: Materials Science and Engineering (Vol. 1091, No. 1, p. 012018). IOP Publishing. <u>Citare 1:</u> Kavivalluvan, V., KR, V. K., Banerjee, S., & Kumar, R. (2025). Enhancement of Mobility of a Tracked Armoured Fighting Vehicle by Introducing an Automatic Track Tensioner. <i>International Research Journal of Multidisciplinary Technovation</i>, 7(4), 15-28. <u>Citare 2:</u> Kadhim, K. J. (2022). Experimental investigation of the effect of damping coefficients on spring diameter thickness. <i>Journal of Achievements in Materials and Manufacturing Engineering</i>, 115(1), 16-25.	20	https://search.crossref.org/search/works?q=Enhancement+of+Mobility+of+a+Tracked+Armoured+Fighting+Vehicle+by+Introducing+an+Automatic+Track+Tensioner&from_ui=yes https://search.crossref.org/search/works?q=Experimental+investigation+of+damping+coefficients+on+spring+diameter+thickness&from_ui=yes
					6. <u>Lucrare citată:</u>	1,66	https://search.cross

					O. ALEXA, I. COROPEȚCHI, A. VASILE, A. INDREȘ, L. BAROTHI, A. DOBRE , (2021), <i>Aspects related to propulsion system modeling and resistive forces for tracked vehicles</i> , Ingineria automobilului, Issue 60, ISSN 1842-4074, WOS:000692037400008 Citare 1: ALEXA, O., CIOBOTARU, T., GRIGORE, L. Ș., BAROTHI, L., VASILE, A., & ȚIGĂNAȘU, D. (2023). Theoretical Aspects Regarding the Modeling of the Longitudinal Dynamics of a Tracked UGV. <i>Journal of Military Technology Vol, 6(2)</i> .		ref.org/search/work?ref=search/work&q=Theoretical+Aspects+Regarding+the+Modeling+of+the+Longitudinal+Dynamics+of+a+Tracked+UGV&fromui=yes	
Total I							219,94	-
3.4 Membru în colectivele de redacție sau comitetele științifice al revistelor sau manifestărilor științifice. Organizator de manifestări științifice/Recenzor	3.4.1 Reviste ISI cu factor impact	3.4.1.2 Recenzor	10/articol recenzat	28 recenzii MDPI (Machines, Energies, Applied Sciences, Sustainability)	280	 Reviewer-Certificate -MDPI.pdf		
				1 recenzie IOP (Smart Materials and Structures)	10	 Reviewer-IOP.pdf		
	3.4.2 Reviste ISI fără factor impact/proceedings ISI	3.4.2.2 Recenzor	5/articol recenzat	1. ID: machines-533771, Systematic Design of Mechanical Transmissions through Design Archetypes, data recenziei: 30.06.2019, Machines ISSN: 2075-1702	5	 Reviewer-Certificate -Machines 2019.pdf		
	3.4.3 Reviste / manifestări științifice indexate BDI	3.4.3.2 Recenzor	2/articol recenzat	1. ID: ML1223, Dynamic Emergency Vehicle Path Planning and Traffic Evacuation based on Salp Swarm Algorithm, data recenziei: 18.04.2021, The 3rd International Conference on Machine Learning and Intelligent Systems (MLIS 2021), November 8-11, 2021 Xiamen, China	2	 Certificate Reviewer MLIS2021.pdf		
				2. ID: MMBD1117, Streamlining Big Data into Public Sector: Opportunities and Challenges, data recenziei: 25.05.2021, The 2nd International Conference on Modern Management based on Big Data (MMBD 2021), 8-11 November 2021 Quanzhou, China	2	 MMBD_Certificate Review.pdf		
				3. ID: ML1280, Object and Traffic Light Recognition Model Development Using Multi-GPU Architecture for Autonomous Bus, data recenziei: 30.05.2021, The 3rd International Conference on Machine Learning and Intelligent Systems (MLIS	2	 MLIS2.pdf		

						2021), November 8-11, 2021 Xiamen, China		
						4. ID: CSAE45824, Based on Minimum Fuel Consumption Mode Integrated Optimal Control of Fixed-Wing UAV Flight Propulsion System, data recenziei: 11.08.2020, 4 th International Conference on Computer Science and Application Engineering, Octombrie 20-22, 2020 Sanya, China	2	 Reviewer_CSAE45824.pdf
						5. ID: MS1599, Analysis of rail corrugation characteristics on high-speed rail based on transient finite element method, data recenziei: 10.03.2021, The 4th International Conference on Material Strength and Applied Mechanics (MSAM 2021), August 16-19, 2021 Macau, China	2	 Review Certificate_MSAM.p
						6. Review activity for Journal of Achievements in Materials and Manufacturing Engineering	2	 Reviewer Journal of Achievements in Ma
					Total II		307	-
					Total A3 = Total I + Total II		526,94	-

