

Lucrari stiintifice
Studenti doctoranzi

Nr. crt.	Conducător de doctorat	Numele și prenumele studentului doctorand	Lucrări științifice în publicații naționale și internaționale
1	BĂLAN Mugur Ciprian	Hiriș Paul Daniel	Hiris, D.P., Pop, O.G., Balan, M.C., 2022. Analytical modeling and validation of the thermal behavior of seasonal storage tanks for solar district heating. Energy Reports 8, 741–755 (IF = 5.2, Q2). Hiris, D.P., Pop, O.G., Balan, M.C., 2022. Preliminary sizing of solar district heating systems with seasonal water thermal storage. Heliyon 8 (IF = 4, Q2). https://doi.org/10.1016/J.HELIYON.2022.E08932. Hiris, D.P., Pop, O.G., Balan, M.C., 2022. Preliminary sizing of solar district heating systems with seasonal water thermal storage. Heliyon 8 (IF = 4, Q2). https://doi.org/10.1016/J.HELIYON.2022.E08932. Hiris, P.D., Pop, O.G., Dobrovicescu, A., Dudescu, M.C., Balan, M.C., 2023. Modelling of Solar Assisted District Heating System with Seasonal Storage Tank by Two Mathematical Methods and with Two Climatic Data as Input. Energy 129234 (IF = 9, Q1). https://doi.org/10.1016/j.energy.2023.129234. Hiris, D.P., Dudescu, M.C., Pocola, A., Balan, M.C., 2023. The impact of cogeneration plant and a storage tank in a district heating system. IOP Conf Ser Mater Sci Eng 1290, 012017. https://doi.org/10.1088/1757-899X/1290/1/012017. Ciocan, M., Serban, A., Dobrovicescu, A., Hiris, D.P., Dudescu, M.C., Balan, M.C., 2023. Comparative assessment of high efficiency flat solar thermal collectors' performances. IOP Conf Ser Mater Sci Eng 1290, 012013.

2	BÂRLEANU Corina Julieta	Cioaza Mircea Radu	"Basalt vs. Glass Fiber-Reinforced Polymers: A Statistical Comparison of Tribological Performance Under Dry Sliding Conditions" Q2, Corina Birleanu, Razvan Udriou, Mircea Cioaza , Paul Bere, Marius Pustan, Articol acceptat (https://doi.org/10.3390/jcs9080444) "Tribomechanical Analysis and Performance Optimization of Sustainable Basalt Fiber Polymer Composites for Engineering Applications", Q1, (WOS:001514643300001), (eISSN:2227-7080), Birleanu, C (Birleanu, Corina) ; Udriou, R (Udriou, Razvan) ; Cioaza, M (Cioaza, Mircea) ; Bere, P (Bere, Paul) ; Pustan, M (Pustan, Marius), Technologies 2025, 13(6), 249; https://doi.org/10.3390/technologies13060249; "A Novel Method for Manufacturing Molds for CFRP Prepreg Lamination Using Polymeric Acrylic Resin–Aluminum Trihydrate", Journal of Manufacturing and Materials Processing, Q2, (eISSN: 2504-4494) (WOS:001516754600001) Parparita, M (Parparita, Mihai) ; Bere, P (Bere, Paul) ; Cioaza, M (Cioaza, Mircea), 2025, 9(6), 195; https://doi.org/10.3390/jmmp9060195; "Impact of CuSn10 Powder on Mechanical Properties and Tribological Performance of Novel Basalt Fiber-Reinforced Hybrid Composites", Polymers, Q1, Birleanu, C (Birleanu, Corina) ; Paul, B (Paul, Bere) ; Udriou, R (Udriou, Razvan) ; Cioaza, M (Cioaza, Mircea) ; Pustan, M (Pustan, Marius), (WOS:001486298000001), eISSN 2073-4360, Polymers 2025, 17(9), 1161; "The Effect of Fiber Weight Fraction on Tribological Behavior for Glass Fiber Reinforced", Polymers Q1, eISSN 2073-4360, WOS:001452144600001, Birleanu, C (Birleanu, Corina) ; Udriou, R (Udriou, Razvan) ; Cioaza, M (Cioaza, Mircea) ; Pustan, M (Pustan, Marius) ; Paul, B (Paul, Bere) ; Vilau, C
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		(Vilau, Cristian), Polymers 2025, 17(6), 720; https://doi.org/10.3390/polym17060720 ;
		"Enhanced Tribological and Mechanical Properties of Copper-Modified Basalt-Reinforced Epoxy Composites", Polymers, Q1, (eISSN 2073-4360) (WOS:001393422800001), Birleanu, C (Birleanu, Corina) ; Cioaza, M (Cioaza, Mircea) ; Udrioiu, R (Udrioiu, Razvan) ; Pustan, M (Pustan, Marius) ; Bere, P (Bere, Paul) ; Lazarescu, L (Lazarescu, Lucian), Polymers 2025, 17(1), 91, https://doi.org/10.3390/polym17010091 ;
		"Tribological Investigation of Glass Fiber Reinforced Polymer Composites against 52100 Chrome Alloy Steel Based on ELECTRE Decision-Making Method", Polymers Q1, (eISSN 2073-4360) (WOS:001140528200001), Birleanu, C (Birleanu, Corina) ; Cioaza, M (Cioaza, Mircea) ; Serdean, F (Serdean, Florina) ; Pustan, M (Pustan, Marius) ; Bere, P (Bere, Paul) ; Contiu, G (Contiu, Glad), Polymers 2024, 16(1), 62, https://doi.org/10.3390/polym16010062 ;
		"Tribo-Mechanical Investigation of Glass Fiber Reinforced Polymer Composites under Dry Conditions", Polymers, Q1, (eISSN 2073-4360) , (WOS:001015523100001), Birleanu, C (Birleanu, Corina) ; Pustan, M (Pustan, Marius) ; Cioaza, M (Cioaza, Mircea) ; Bere, P (Bere, Paul) ; Contiu, G (Contiu, Glad) ; Dudescu, MC (Dudescu, Mircea Cristian) ; Filip, D (Filip, Daniel), Polymers 2023, 15(12), 2733, https://doi.org/10.3390/polym15122733 ;
		"Experimental Investigation of the Tribological Behaviors of Carbon Fiber Reinforced Polymer Composites under Boundary Lubrication", Polymers, Q1, (eISSN 2073-4360), (WOS:000856786500001), Birleanu, C (Birleanu, Corina) ; Pustan, M (Pustan, Marius) ; Pop, G (Pop, Grigore) ; Cioaza, M (Cioaza, Mircea) ; Popa, F (Popa, Florin) ; Lazarescu, L

			(Lazarescu, Lucian) ; Contiu, G (Contiu, Glad), Polymers 2022, 14(18), 3716, https://doi.org/10.3390/polym14183716 ;
			"Effect of TiO2 nanoparticles on the tribological properties of lubricating oil: an experimental investigation", (ISSN 2045-2322), (WOS:000773323400003), Springer Nature, Q1, Birleanu, C (Birleanu, Corina) ; Pustan, M (Pustan, Marius) ; Cioaza, M (Cioaza, Mircea) ; Molea, A (Molea, Andreia) ; Popa, F (Popa, Florin) ; Contiu, G (Contiu, Glad), 18 March 2022, https://doi.org/10.1038/s41598-022-09245-2
			"Evaluation the Tribological Properties of Different Fiber Reinforced Polymers", 5th International Tribology Symposium of IFToMM (ITS-IFTToMM) SPRINGER Q1 , ISSN 2211-0984, Cioaza, M (Cioaza, Mircea) ; Birleanu, C (Birleanu, Corina) ; Pustan, M (Pustan, Marius) ; Bere, P (Bere, Paul) ; Contiu, G (Contiu, Glad) Springer, Cham, 20 June 2024, https://doi.org/10.1007/978-3-031-62616-6_9 ;
	Goia Horea Stefan	Drinda Ovidiu	Birleanu C., Pustan M., Cosma C., Merie V., Dranda O. (2020) Tribological behaviour of sealing materials, The 14th International Conference on Tribology, ROTRIB 2019, IOP conference series: materials science and engineering, Vol. 724, No. 1, pp.012017, Editor IOP Publishing, https://iopscience.iop.org/issue/1757-899X/724/1
			"Influence of Polymers Surface Roughness on Noise Emissions in 3D-Printed UAV Propellers", Polymers, DOI10.3390/polym17081015, Popister, F (Popister, Florin); Goia, HS (Goia, Horea Stefan); Ciudin, P (Ciudin, Paul), MDPI, 2025
			"Empowering Rehabilitation: Design and Structural Analysis of a Low-Cost 3D-Printed Smart Orthosis", Polymers, DOI10.3390/polym16101303, Popister, F (Popister, Florin); Dragomir, M (Dragomir, Mihai); Ciudin, P (Ciudin, Paul); Goia, HS (Goia, Horea Stefan), MDPI, 2024

			"Experimental Study of a 3D Printing Strategy for Polymer-Based Parts for Drone Equipment Using Bladeless Technology", Polymers, DOI10.3390/polym16040533, Popister, F (Popister, Florin); Goia, HS (Goia, Horea Stefan); Ciudin, P (Ciudin, Paul); Dragomir, D (Dragomir, Diana), MDPI, 2024 "Development of an Educational Cobot Structure", Lecture Notes in Mechanical Engineering, DOI10.1007/978-3-031-56463-5_2, Popister, F (Popister, Florin); Horea-Stefan, G (Horea-Stefan, Goia); Paul, C (Paul, Ciudin), Springer, 2025 "Implementation of Human Gestures in the Control of Collaborative Robots", Lecture Notes in Mechanical Engineering, DOI10.1007/978-3-031-56467-3_3, Ciudin, P (Ciudin, Paul); Goia, HS (Goia, Horea Stefan); Popister, F (Popister, Florin), Springer, 2024 "From Assistive to Intelligent: The Development of a Low-Cost Smart Crutch System", Lecture Notes in Mechanical Engineering, 10.1007/978-3-031-95218-0_6, Popister, F (Popister, Florin); Ciudin, P (Ciudin, Paul); Dragomir, M (Dragomir, Mihai); Goia, HS (Goia, Horea Stefan), Springer, 2025
3	BODE Florin Ioan	Bălan M.G. Mircea-Andrei	In-building direct wastewater heat recovery solutions for enhancing thermal efficiency in domestic hot water systems, E3S Web of Conferences, 608, 1015, Balan, Mircea; Sandu, Mihnea; Bode, Florin; eISSN: 2267-1242, 2025, https://doi.org/10.1051/e3sconf/202560801015
4	BURNETE Nicolae	David Dan	Dynamic performances simulation of an electric Formula Student vehicle, ANNALS OF THE UNIVERSITY OF ORADEA Fascicle of Management and Technological Engineering, ISSN 1583-0691, D. David, N. Burnete, A. Todoruț, N. Cordoș, I. Duma

			Energy consumption and thermal analysis model for a Formula Student electric vehicle, ANNALS OF THE UNIVERSITY OF ORADEA Fascicle of Management and Technological Engineering, ISSN 1583-0691, D. David, N. Burnete, A. Todoruț, N. Cordoș, T. Buidin, I. Duma
		Danci Constantin-Cosmin	Assessment of Road Vehicle Accident Approaches—A Review, Irina Duma, Nicolae Burnete, Adrian Todoruț, Nicolae Cordoș, Cosmin-Constantin Danci, Alexandru Terec Anul apariției: Ianuarie 2025; Editura: MDPI Jurnal: Vehicles, Volume 7, issue 1 DOI: https://doi.org/10.3390/vehicles7010010
		Teodorașcu Vlad	Review of PEDELECS as an alternative to conventional means of urban transportation Vlad Teodorașcu Nicolae · Vlad Burnete · Nicolae Burnete • March 2024 • IOP Conference Series: Materials Science and Engineering 1303(1):012005 • DOI: 10.1088/1757-899X/1303/1/012005
		Duma Irina	Cordoș, N., Duma, Irina, Moldovanu, D., Todoruț, A., Barabás, I., An overview of Intelligent Transportation Systems in Europe, in: World Elect. Veh. J., 16(7), 387, https://doi.org/10.3390/wevj16070387 , 2025, JIF: 2,6 (Q2), WOS:001535265100001 Duma, Irina, Burnete, N., Todoruț, A., Cordoș, N., Danci, C.-C., Terec, A., Assessment of road vehicle accident approaches – A review, in Special Issue: Novel Solutions for Transportation Safety, Vehicles, 7(1), 10, https://doi.org/10.3390/vehicles7010010 , 2025, JIF: 2,4 (Q2), WOS:001453114600001

		Duma, Irina, Burnete, N., Todoruț, A., Cordoș, N., Barabás, I., Molea, A., Dragoste, M-D., Efrim, R-M., Terec, A., Evaluation of the influence of transverse track inclination on vehicle stability parameters at the limit of side rollover, Acta Technica Napocensis, Seris: Applied Mathematics, Mechanics and Engineering, Vol. 67, Issue I, March, 2024, pg. 101-110, ISSN 2392-2988, https://atna-mam.utcluj.ro/index.php/Acta/article/view/2288/1810, WOS:001250317300010; JIF2024: 0,2
		Danci, C.-C., Duma, Irina, Buidin, T.I.C., Cordoș, N., Todoruț, A., Vertical vibration analysis of a Formula Student vehicle using different suspension system configurations, Acta Technica Napocensis, Seris: Applied Mathematics, Mechanics and Engineering, Vol. 67, Issue I, March, 2024, pg. 121-130, ISSN 2392-2988, https://atna-mam.utcluj.ro/index.php/Acta/article/view/2290/1812, WOS:001250317300012; JIF2024: 0,2
		Todoruț, A., Cordoș, N., Duma, Irina, Barabás, I., Burnete, N., Efrim, R.M., Dragoste, M.D., Possibilities of assessing the vehicle stability parameters in the case of the rollover and rolling accidents, in: Acta Technica Napocensis, Series: Applied Mathematics, Mechanics and Engineering, Vol. 66, Issue I, March, 2023, pg. 35-50, ISSN 2393-2988, https://atna-mam.utcluj.ro/index.php/Acta/article/view/2096/1665, WOS:000995805400004, JIF2023: 0,1
		Danci, C.C., Duma, Irina, Buidin, T.I.C., Cordoș, N., Todoruț, A., Comparative evaluation of the dynamic behaviour of tires equipping the Formula Student vehicles using mathematical modelling, in: Acta Technica Napocensis, Series: Applied Mathematics, Mechanics and Engineering, Vol. 66, Issue I, March, 2023, pg. 159-166, ISSN 2393-2988, https://atna-mam.utcluj.ro/index.php/Acta/article/view/2096/1665

			mam.utcluj.ro/index.php/Acta/article/view/2110/1679; WOS:000995805400018, JIF2023: 0,1
			Dragoste, M.-D., Duma, Irina, Cordoș, N., Todoruț, A., Comparative analysis of the possibilities to evaluate the dynamic performances for internal combustion, electric and hybrid vehicles by mathematical modeling, Acta Technica Napocensis, Series: Applied Mathematics, Mechanics and Engineering, Vol. 65, Issue 2, June, 2022, pg. 251-262, ISSN 2393-2988, https://atna-mam.utcluj.ro/index.php/Acta/article/view/1813/1461 , WOS: 000838236300016, JIF2022: 0,3
			Terec, A., Todoruț, A., Barabás, I., Cordoș, N., Duma, Irina, Transdisciplinary possibilities for approaching road traffic accidents: A review, in: Chiru, A., Covaciu, D. (eds) CONAT 2024 International Congress of Automotive and Transport Engineering, Proceedings in Automotive Engineering, pg. 189-200, Springer, Cham, https://doi.org/10.1007/978-3-031-77635-9_17 , 2025, WOS:001462621100017
			Duma, Irina, Burnete, N., Todoruț, A., Barabás, I., Dragoste, M.D., Possibilities to evaluate the vehicle pre-collision travel velocity in the case of a frontal impact with a fixed object, through numerical modelling, in: IOP Conference Series: Materials Science and Engineering 1311 (2024), The 32nd International Congress of SIAR of Automotive and Transport Engineering, doi:10.1088/1757-899X/1311/1/012046, WOS:001530989600046
			Duma, Irina, Burnete, N., Todoruț, A., A review of road traffic accidents reconstruction methods and their limitations with respect to the national legal frameworks, în: IOP Conference Series: Material Science and Engineering, Vol. 1220, (2022), The XXXI-st SIAR International Congress of Automotive and Transport Engineering „Autonomous and Integrated Transport

		Systems” (AITS2021), 28th-30th October 2021, https://doi.org/10.1088/1757-899X/1220/1/012055 , WOS:001545221700055
		Todoruț, A., Cordoș, N., Barabás, I., Duma, Irina, Possibilities for assessing the pre-collision and post-collision vehicle speeds, in the event of side collisions, by the quantity of motion conservation law, Acta Technica Napocensis, Series: Applied Mathematics, Mechanics and Engineering, Vol. 64, Issue 1, March, 2021, pg. 47-54, ISSN 2393-2988, https://atna-mam.utcluj.ro/index.php/Acta/article/view/1552/1271 , (date accessed: 20/04/2021), WOS: 000694719400005
		Danci, C.C., Burnete, N., Todoruț, A., Cordoș, N., Duma, Irina, Analysis of the tire vertical stiffness influence on the vehicle safety, in: Journal of Engineering Sciences and Innovation, Vol. 10, Issue 1, pg. 93-102, ISSN 2601-6699, 2025, https://jesi.astr.ro/wp-content/uploads/2025/04/7_Constantin-Cosmin-Danci.pdf
		Teodorașcu, V., Burnete, N., Kocsis, L.B., Duma, Irina, Burnete, N.V., Molea, A., Sechel, I.C., Filimon, D.M., Design and validation of an electrically assisted modular attachment demonstrator for lightweight cycles, in: Journal of Engineering Sciences and Innovation, Vol. 9, Issue 4, pg. 431-448, ISSN 2601-6699, 2024, https://jesi.astr.ro/wp-content/uploads/2024/12/6_Vlad-Teodorascu.pdf
		Cordoș, N., Barabás, I., Todoruț, A., Duma, Irina, Molea, A., Moldovanu, D., Burnete, N., Jurchiș, M., Ghereș, M., Assessment possibilities for trajectory fusion of two vehicles in the case of automated vehicles, in: IOP Conference Series: Materials Science and Engineering, Vol. 1303, Economicity, Safety and Reliability for Motor Vehicles Congress – ESFA 2023 (and SIAR International Automotive and Transport Engineering Congress), 2024,

			https://iopscience.iop.org/article/10.1088/1757-899X/1303/1/012013 , DOI: 10.1088/1757-899X/1303/1/012013
			Duma, Irina, Molea, A., Cordoș, N., Căraușan, H., Burnete, N., Barabás, I., Todoruț, A., Jurchiș, B-M., Possibilities to evaluate the vehicle's accelerations through MATLAB Simulink simulations, in: IOP Conference Series: Materials Science and Engineering, Vol. 1303, Economicity, Safety and Reliability for Motor Vehicles Congress – ESFA 2023 (and SIAR International Automotive and Transport Engineering Congress), 2024, https://iopscience.iop.org/article/10.1088/1757-899X/1303/1/012040 , DOI: 10.1088/1757-899X/1303/1/012040
			Duma, Irina, Trușcă, D-D., Burnete, N., Todoruț, A., Research on the study of frontal collision between a vehicle and a fixed rigid barrier, in: Journal of Engineering Sciences and Innovation, Vol. 8, Issue 3, pp. 287-298, ISSN 2601-6699, 2023, DOI: 10.56958/jesi.2023.8.3.287, https://jesi.astr.ro/wp-content/uploads/2023/11/6_Duma-Irina.pdf
		Popa Mădălin-Florin	Popa Madalin-Florin, Capătă Dorin, Burnete Nicolae, Analysis of defects in the braking systems of commercial vehicles, Proceedings of the annual session of scientific papers “IMT ORADEA - 2021”, https://imt.uoradea.ro/conference/Proceedings_2021.pdf , May 2021.
			POPA Mădălin-Florin, Bogdan Manolin JURCHIȘ, Analysis of the Wear Process of the Elements in the Braking System of Heavy Trucks, The Annals of “DUNAREA DE JOS” University of Galati fascicle IX. Metallurgy and materials science, No4 - 2021, ISSN 2668-4748; e-ISSN 2668-4756, Article DOI: https://doi.org/10.35219/mms.2021.4.13 .

			POPA Mădălin-Florin, CAPATA Dorin and BURNETE Nicolae, Aspects of measuring brake parameters on heavy trucks using a roller brake stand, ICOME 2022, http://www.icome.ro/index.php/icome/2022/author/submission/26, Craiova 2022.
			Capătă Dorin, Popa Mădălin-Florin, Burnete Nicolae, Experimental studies regarding the thermal operating regime for SCR catalysts of heavy-duty commercial vehicles, The Annual Session Of Scientific Papers - IMT Oradea 2021, IOP Conf. Ser.: Mater. Sci. Eng. 1169 012014.
			Andrei-Constantin SOFIAN, Bogdan Manolin JURCHIȘ, Mădălin-Florin POPA, Rack and Pinion Steering System Design for a Passenger Car, THE ANNALS OF “DUNAREA DE JOS” UNIVERSITY OF GALATI FASCICLE IX. METALLURGY AND MATERIALS SCIENCE, ISSN 2668-4748; e-ISSN 2668-4756, DOI: https://doi.org/10.35219/mms.2021.4.14.
			Popa, M.F, Capătă, D., Burnete, N., Analysis of defects in the braking systems of commercial vehicles, IOP Conference Series: Materials Science and Engineering, DOI 10.1088/1757-899X/1169/1/012010, WOS:000880290800003, 2021.
5	DUDESCU Mircea Cristian	Cimpoies Vasilica	Vasilica I. Cimpoies, Dudescu Mircea Cristian. (2024). NUMERICAL AND EXPERIMENTAL STIFFNESS EVALUATION OF QUILLING INSPIRED STRUCTURES. ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING, (67)(1), 81-88. Vasilica Ioana Cimpoies, Dudescu Mircea Cristian. (2024). Numerical and Experimental Analysis of Quilling-Inspired Metamaterials. Procedia Structural Integrity, (56), 49-57. https://doi.org/10.1016/j.prostr.2024.02.036

		Muresanu Adrian Daniel	Muresanu, Adrian Daniel, Dudescu, Mircea Cristian. "Numerical and experimental evaluation of a battery cell under impact load." Batteries 8, no. 5 (2022): 48. IF 4,6, Q2
			Muresanu, Adrian Daniel, Dudescu, Mircea Cristian. "Modelling of a Cylindrical Battery Mechanical Behavior under Compression Load." Batteries 10, no. 10 (2024). , WOS: 001342849600001, IF 4,6, Q2
			Muresanu, Adrian Daniel, Dudescu, Mircea Cristian. "FEM Study on Enhancing Crashworthiness of Cylindrical Li-Ion Battery Packs Using Spacers Between the Cells." Applied Sciences 15, no. 5 (2025): 2720, WOS: 001442414800001, IF 2.5 Q1.
			Muresanu Adrian Daniel, Dudescu Mircea Cristian, David Tica. "Study on the Crashworthiness of a Battery Frame Design for an Electric Vehicle Using FEM." World Electric Vehicle Journal 15, no. 11 (2024): 534. , WOS: 00136655750000, IF 2.6 Q2
			Muresanu, Adrian Daniel, Dudescu, Mircea Cristian. "Numerical and experimental evaluation of a battery cell under impact load." Batteries 8, no. 5 (2022): 48. IF 4,6, Q2
			Muresanu, Adrian Daniel, Dudescu, Mircea Cristian. "Modelling of a Cylindrical Battery Mechanical Behavior under Compression Load." Batteries 10, no. 10 (2024). , WOS: 001342849600001, IF 4,6, Q2
			Muresanu, Adrian Daniel, Dudescu, Mircea Cristian. "FEM Study on Enhancing Crashworthiness of Cylindrical Li-Ion Battery Packs Using Spacers Between the Cells." Applied Sciences 15, no. 5 (2025): 2720, WOS: 001442414800001, IF 2.5 Q1.
			Muresanu Adrian Daniel, Dudescu Mircea Cristian, David Tica. "Study on the Crashworthiness of a Battery Frame Design for an Electric Vehicle Using FEM." World Electric Vehicle Journal 15, no. 11 (2024): 534. , WOS: 00136655750000, IF 2.6 Q2

	Racz Laszlo	Racz, L. & Dudescu, M. C. (2020). Evaluation of Impact Proprieties of 3D Printed Materials. ACTA TECHNICA NAPOCENSIS-Series: APPLIED MATHEMATICS, MECHANICS, and ENGINEERING, 63(4). ISSN 1221-5872, WOS:000606612500014 (IF 2022: 0.3, Q4)
		Racz, L., & Dudescu, M. C. (2022). Numerical Investigation of the Infill Rate upon Mechanical Proprieties of 3D-Printed Materials. Polymers, 14(10), 2022. eISSN: 2073-4360; DOI: 10.3390/polym14102022, WOS:000803270500001 (IF 2022: 5, Q1)
		Dudescu C., Racz, L., Popa, F. (2022) Effect of Infill Pattern on Fatigue Characteristics of 3D Printed Polymers, Material Today: Proceedings 2022, ISSN 2214-7853, https://doi.org/10.1016/j.matpr.2022.11.283 (SCOPUS)
		Dudescu, C., & Racz, L. (2017). Effects of raster orientation, infill rate and infill pattern on the mechanical properties of 3D printed materials. ACTA Univ. Cibiniensis, 69(1), 23-30. DOI: 10.1515/aucts-2017-0004 (SCIENDO)
		Racz, L., & Dudescu, M. C. (2021). Mechanical behavior of beams with variable stiffness obtained by 3D printing. In MATEC Web of Conferences (Vol. 343, p. 08014). EDP Sciences. DOI: 10.1051/mateconf/202134308014 (ProQuest, DOAJ, Google Scholar)
		High-Temperature Tensile Performance of Fused Filament Fabricated Discontinuous Carbon Fiber-Reinforced Polyamide; Polymers; TF Zach, MC Dudescu, PP Bere; MDPI; 2025
	Zach Theodor-Florian	The Three-Dimensional Printing of Composites: A Review of the Finite Element/Finite Volume Modelling of the Process; Journal of Composite Sciences; TF Zach, MC Dudescu; MDPI; 2024

			Deposition Simulation of Composite Flexural Specimen Obtained Via Fused Filament Fabrication; TF Zach, MC Dudescu; Macromolecular Symposia; Wiley; 2025.
			Deposition Simulation of Composite Flexural Specimen Obtained Via Fused Filament Fabrication; POLCOM;TF Zach, MC Dudescu; 8th International Conference; 2024
			Design and Manufacturing of Sheet Molding Composite Tooling for Drone Components using 3D Printed Polyamide-Carbon Fiber; ROPM&AM; TF Zach, MC Părpăriță, MC Dudescu, P. Bere; 2025
6	MÂNDRU Silviu Dan	Ver Alina-Elena	Ver I., Ver A.E., Mândru D.S., "Wearable robotic system for upper limb rehabilitation", Acta Tehnica Napocensis, vol 67, No 3 (2024)
			Ver I., Ver A., Ianosi-Andreeva-Dimitrova A., Mandru S.D., "Erderly fall monitoring system" - International Journal of Engineering Research and Applications (IJERA), , ISSN: 2248-9622, Vol No.: 10, Issue No.: 5, 2020
			Ver A.E., Ver I., "Development of a Device for Mirror Therapy" (Dezvoltarea unui dispozitiv pentru Terapia Oglindă), , Studia Universitatis Babeş-Bolyai, seria Educatio Artis Gymnasticae, pp 61-74, DOI: 10.24193/subbeag.68(4).32
		Şerdean Mihai	Maintenance Cost Minimization for an Agricultural Harvesting Gripper, Sensors, 1424-8220, Şerdean, F.M.; Şerdean, M.D.; Mândru, S.-D., 2023. Design and analysis of a steam-based weeding module for sustainable agriculture, Acta Technica Napocensis, 1221 – 5872, Şerdean, M., Şerdean, F., Mândru, D., 2025.
			Autonomous mobile systems for plantation maintenance: Review and analysis, Acta Technica Napocensis, 1221 – 5872, Şerdean, M., Şerdean, F., Mândru, D., 2025.
		Feneşan Ana Cristina	Low-Cost Functional Infrared Spectroscopy Based System as a Brain-Computer Interface, International Conference on

			Robotics in Alpe-Adria Danube Region, 978-3-031-59257-7, Feneşan, A.C., Ianoşi-Andreeva-Dimitrova, A., Mândru, D.S., Springer, Cham, 2024, , Print ISBN 978-3-031-59256-0, Online ISBN978-3-031-59257-7 / ISSN 2211-0984 / eISSN 2211-0992 / IDS Number BX4XE , WOS:001295610100016
		Ionela Lenuța Pop	The influence of geometric parameters on the performances of pneumatic soft actuators, Web of Science, ISSN: 1221-5872, Ing. Drd. Ionela Lenuța POP, Prof. dr. Ing. Silviu Dan MÂNDRU, Acta Technica Napocensis: Applied Mathematics, Mechanics and Engineering, 2024
		Rusu Dan Mihai	Soft Robotics: A Systematic Review and Bibliometric Analysis, Micromachines, Rusu, Dan-Mihai, Silviu-Dan Mândru, Cristina-Maria Biriş, Olivia-Laura Petraşcu, Fineas Morariu, Alexandru Ianosî-Andreeva-Dimitrova, MDPI, 2023.
			Influence of Industrial Environmental Factors on Soft Robot Materials, Materials, Rusu, Dan Mihai, Olivia Laura Petraşcu, Adrian Marius Pascu, Silviu Dan Mândru, MDPI, 2023.
			A Wearable Device for Upper Limb Rehabilitation and Assistance Based on Fluid Actuators and Myoelectric Control, Biriş, Cristina-Maria, Sever-Gabriel Racz, Claudia-Emilia Gîrjob, Radu-Dumitru Grovu, Dan-Mihai Rusu, MDPI, 2023.
			EXPERIMENTAL RESEARCH OF A MULTI-SEGMENT SOFT ACTUATOR, Acta Technica Napocensis Series: Applied Mathematics, Mechanics and Engineering, Dan-Mihai RUSU, Silviu-Dan MÂNDRU, 2024.
			SIMULINK BASED DYNAMIC MODEL FOR MECANUM DRIVE AUTONOMOUS MOBILE PLATFORMS CONSIDERING FRICTION FORCES, Acta Technica Napocensis Series: Applied Mathematics, Mechanics and Engineering, Mihai CRENGANIŞ, Claudia Emilia GÎRJOB, Dan Mihai RUSU, Alexandru BÂRSAN, 2024.

			DESIGN OF A LOWER LIMB PROSTHESIS FOR TRANSTIBIAL AMPUTATION, Acta Technica Napocensis Series: Applied Mathematics, Mechanics and Engineering, RUSU Dan-Mihai, Alexandru IANOSI-ANDREEVA-DIMITROVA, Silviu-Dan MÂNDRU, 2021.
			Developing the 3D Model of the Human Lower Body Using the Skeleton System Method, International Conference on e-Health and Bioengineering, Andrei-Horia Brănescu, Dan-Mihai Rusu, Nicolae-Florin Cofaru, Mihai-Raul Petrașcu, Springer Nature Switzerland, 2025.
			RM., Racz, SG., Rusu, DM. (2024). Collection of Key Bioresponsive Materials. In: Costin, HN., Magjarević, R., Petroiu, G.G. (eds) Advances in Digital Health and Medical Bioengineering. EHB 2023. IFMBE Proceedings, vol 111. Springer, Cham. https://doi.org/10.1007/978-3-031-62523-7_9
			Analysis on the impact of industrial agents on 3D-printed polymeric materials in soft robotics, RUSU D-M, Alexandru BÂRSAN, Olivia-Laura PETRAȘCU, Timotei MORARIU, Fineas MORARIU, Adrian Marius PASCU, Acta Universitatis Cibiniensis – Technical Series, Vol. 76, Nr. 1. (BDI)
		Pop Vădean Adina Lucia	”The importance of energy recovery technologies for the implementation of smart society and smart city concepts”, Adina POP-VĂDEAN, Carpathian Journal of Electrical Engineering Volume 15, Number 1, 2021 . Pp.227-235 (DOAJ, EBSCO, Index Copernicus)
		Ver Istvan	Ver I., Ver A.E., Mândru D.S., ”Wearable robotic system for upper limb rehabilitation”, Acta Tehnica Napocensis, vol 67, No 3 (2024)
			Ver I., Ver A., Ianosi-Andreeva-Dimitrova A., Mandru S.D., ”Erderly fall monitoring system” - International Journal of

			Engineering Research and Applications (IJERA), , ISSN: 2248-9622, Vol No.: 10, Issue No.: 5, 2020
			A.E., Ver I., "Development of a Device for Mirror Therapy" (Dezvoltarea unui dispozitiv pentru Terapia Oglindă), , Studia Universitatis Babeş-Bolyai, seria Educatio Artis Gymnasticae, pp 61-74, DOI: 10.24193/subbeag.68(4).32
			Nistor A.R., 1, Onac I. 1,2, Perju-Dumbrava L. 2 , Borda I.V. 1,2, Ciorte V. 1,2, Irsay L. 1,2, Tohanean N., Ver I. 2 , Ungur R. 1,2 Mirror therapy in neurological rehabilitation Palestrica of the third millennium – Civilization and Sport Vol. 18, no. 3, July-September 2017, 163–168 Cluj-Napoca, 2017
7	MARIAȘIU Florin Emil	Buidin M. Thomas-Imre-Cyrille	Modeling Approach of an Air-Based Battery Thermal Management System for an Electric Vehicle, Applied Sciences, 2076-3417, MDPI, 2021
			Battery Thermal Management Systems: Current Status and Design Approach of Cooling Technologies, Energies, 1996-1073, MDPI, 2021
			Parametric Evaluation of Thermal Behavior for Different Li-Ion Battery Chemistries, Batteries, 2313-0105, MDPI, 2022
			Effects of using fireproof thermal management systems on the lifespan of battery cells, Case Studies in Thermal Engineering, 2214-157, Elsevier, 2024
			Numerical Simulation of a Thermal Management System Using Composite Flame-Retardant Resin and Its Effect on Battery Life Span, Sustainability, 2071-1050, MDPI, 2024
			Comparative Analysis of BTM Systems Made of a Fireproof Composite Material with Nano Boron Nitride, Fire, 2571-6255, MDPI, 2025
			Comparative evaluation of the dynamic behavior of tires equipping formula student vehicles using mathematical modelling, Acta Technica Napocensis, Series: Applied

			Mathematics, Mechanics and Engineering, 1221 – 5872 vol. 66, no.1, 2023
			Vertical vibration analysis of a Formula Student vehicle using different suspension system configurations, Acta Technica Napocensis, Series: Applied Mathematics, Mechanics and Engineering, 1221 – 5872 vol. 67, no.1, 2024
		Csato Aron	Analysis of the Influence of Image Resolution in Traffic Lane Detection Using the CARLA Simulation Environment, Vehicles, ISSN 2624-8921, CSATO Aron, MARIASIU Florin, CSIKI Gabor, MDPI, 2025; 2.Effects of Hybridizing the U-Net Neural Network in Traffic Lane Detection Process, Applied Sciences, ISSN 2076-3417, CSATO Aron, MARIASIU Florin, MDPI, 2025
			AI Applications in Predictive Maintenance and Reliability of Batteries: Challenges and Future Directions, Proceedings of FES 2025 Conference, I.C. SECHEL, A. CSATO, F. MARIASIU, IEEE, 2025
			Current Approaches in Traffic Lane Detection: a minireview, The Archives of Automotive Engineering – Archiwum Motoryzacji, ISSN 1234-3829, CSATO Aron, MARIASIU Florin, Polish Academy of Sciences, 2024
		Csiki Gergely	CSATO, A.; MARIASIU, F.; CSIKI, G. Analysis of the Influence of Image Resolution in Traffic Lane Detection Using the CARLA Simulation Environment. Vehicles 2025, 7, 60. (indexare WoS, FI= 2.2, Q2 - Engineering, Mechanical)
		Szabo Ioan	Comparative Analysis of BTM Systems Made of a Fireproof Composite Material with Nano Boron Nitride, Fire, ISSN 2571-6255, Szabo I., Mariasiu F., Buidin T.I.C., MDPI, 2025. https://doi.org/10.3390/fire8020063 . Q1
			Numerical Simulation of a Thermal Management System Using Composite Flame-Retardant Resin and Its Effect on Battery

			Life Span, Sustainability, ISSN 2071-1050, Mariasiu F., Szabo I., Buidin T.I.C., MDPI, 2024. https://doi.org/10.3390/su16093702 . WoS IF 3.9 / Q2
			Numerical Analysis of Crashworthiness on Electric Vehicle's Battery Case with Auxetic Structure, Energies, ISSN 1996-1073, Scurtu L.I., Szabo I., Gheres M., MDPI, 2023. https://doi.org/10.3390/en16155849 . WoS IF 3.2 / Q3
			Topographical Optimization of a Battery Module Case That Equips an Electric Vehicle, Batteries, ISSN 2313-0105, Szabo I., Scurtu L.I., Raboca H., Mariasiu F., MDPI, 2023. https://doi.org/10.3390/batteries9020077 . WoS IF 5.938 / Q2
			Software Application for Determining the Quality Indices of Spraying Works / Aplicație software pentru determinarea indicilor de calitate ai lucrărilor de stropit, ISB-INMA TEH, ISSN 2344-4118, Gheres M.I., Nagy M., Gheres M., Ranta O., Scurtu I.-L., Szabo I., Bucharest, 2024.
			Electric Vehicle Battery Pack Underbody Shield Design and Optimization: A Study on Dacia Spring, ICEGD, Online ISSN 2344-4681, Szabo I., Balcău M., 2024.
			New Method for Testing Dispersion Devices Used for Pesticide Application, ISB-INMA TEH, Bucharest, 2023, ISSN —, Gheres M.-I., Scurtu I.-L., Szabo I., Gheres M., Ionescu A., pp. 528–537.
			Evaluation and Improving the Aerodynamics of the Commercial Van, JIDEG, Online ISSN 2344-4681, Print ISSN 1843-3766, Scurtu I.-L., Balcău M., Jurco A., Crăciun I., Kiraly

			A., Szabo I., 2023. http://sorging.ro/jideg/index.php/jideg/article/view/296
			Comparative Study of Li-ion 18650 Cylindrical Cell Under Pinch Indentation, Annual Session of Scientific Papers – IMT Oradea, Materials Science and Engineering, Szabo I., Sirca A.A., Scurtu L., Kocsis L., Hanches I.N., Mariasiu F., 2022. https://iopscience.iop.org/article/10.1088/1757-899X/1256/1/012022
			Comparative Study of Li-ion 21700 Cylindrical Cell Under Mechanical Deformation, Annual Session of Scientific Papers – IMT Oradea, Materials Science and Engineering, Szabo I., Sirca A.A., Scurtu L., Kocsis L., Hanches I.N., Mariasiu F., 2022. https://iopscience.iop.org/article/10.1088/1757-899X/1256/1/012023/meta
			Influence of Drone's Nacelle Conicity on the Airflow Dynamics, Annual Session of Scientific Papers – IMT Oradea, Materials Science and Engineering, Sirca A.A., Szabo I., Mariasiu F., Moldovanu D., Cărauşan H., 2022. https://iopscience.iop.org/article/10.1088/1757-899X/1256/1/012015/meta
8	MĂTIEŞ Vistrian	Pop I.Dănuţ	Mechatronic Engineering the Foundation of Sustainable Development, Autori:Dănuţ Pop,Simona Noveanu, Vistrian Mătieş ,Lucrare prezentată la SYROM- 2025,23-25 oct., Braşov, Romania
			Mechatronic Engineering the Foundation of Sustainable Development, Autori:Dănuţ Pop,Simona Noveanu, Vistrian Mătieş ,Lucrare prezentată la SYROM- 2025,23-25 oct., Braşov, Romania
9	NĂSUI Vasile	Ardelean Mihai George	Alex Marius Cerapon, Radu-Iacob Cotetiu, Vasile Nasui Considerations on the Current State of Research on Vibration Testing of Rubber-Metal Products. SCIENTIFIC Mihai George

			Ardelean, Vasile Năsui. Reverse Engineering in the Automotive Industry. SCIENTIFIC BULLETIN, Serie C, Fascicle: Mechanics, Tribology, Machine Manufacturing Technology, ISSN 1224-3264, Vol. 2021 No.XXXV. BULETIN ȘTIINȚIFIC, Seria C, Fascicola: Mecanică, Tribologie, Tehnologia Construcțiilor de Mașini. pp. 7-12. Code: 610, Indexed by: ProQuest, EBSCO Publishing, www.proquest.com, www.ebsco.com www.csa.com http://www.nordtech.ubm.ro/list.php
		Alexander Baron Vielhauer von Hohenhau	Alexander Baron von Hohenhau, Vasile Năsui, Review of Turning Vanes, Curved Diffusers and their Role in Compact Wind and Water Tunnels, Acta Technica Napocensis, ISSN 1221-5872, vol. 65, no. 4S (2022), pp. 1011-108, Index: ISI Web of Science, Copernicus, WorldCat Alexander Baron von Hohenhau, Parameterising the Geometry of Curved Diffusers and Expansion Vanes, Acta Technica Napocensis, ISSN 1221-5872, vol. 65, no. 4S (2022), pp. 1019-1026, Index: ISI Web of Science, Copernicus, WorldCat Alexander Baron von Hohenhau, Review and Comparison of Flow Measurement Techniques, Scientific Bulletin, Serie Fascicle: Mechanics, Tribology, Machine Manufacturing Technology, ISSN 1224-3264, vol. XXXVI (2022), pp.27-31, Index: EBSCO, ProQuest Alexander Baron von Hohenhau, Design and Performance of a Low-Cost Pitot Rake, International Journal of Engineering Research and Application, ISSN 2248-9622, vol. 13, no. 3 (2023), pp. 97-102, Index: Copernicus, DOAJ, EBSCO, ProQuest, UlrichsWeb, Google Scholar Alexander Baron von Hohenhau, Efficacy of Using the Loss Factor to Estimate the Power Requirements of Wind and Water Tunnels with Varying Cross Sections, Magazine of Hydraulics,

			Pneumatics, Tribology, Ecology, Sensorics, Mechatronics, ISSN 2343-7707, vol. 1 (2023), pp. 27-35, Index: EBSCO, ProQuest, UlrichsWeb, Google Scholar, InfoBase, SIS
		Bîrsan Ionuț Ciprian	NTIFIC BULLETIN, Serie C, Fascicle: Mechanics, Tribology, Machine Manufacturing Technology, ISSN 1224-3264, Vol. 2021, No.XXXV, Code: 610, Indexed by: ProQuest, EBSCO Publishing. Actuation of a Linear Electromechanical Actuator, Scientific Bulletin, Seria:C, Fascicle: Mechanics, Tribology, Machine Manufacturing Tehnology, Baia Mare, 2023.
		Cerapon Alex-Marius	Alex Marius Cerapon, Radu-Iacob Cotetiu, Vasile Nasui Considerations on the Current State of Research on Vibration Testing of Rubber-Metal Products. SCIENTIFIC BULLETIN, Serie C, Fascicle: Mechanics, Tribology, Machine Manufacturing Technology, ISSN 1224 -3264, Vol. 2023 No.XXXVII, pp. 10- 13. Code: 610, Indexed by: ProQuest, EBSCO Publishing, www.proquest.com, www.ebsco.com www.csa.com http://www.nordtech.ubm.ro/list.php
		Epple Steffen	Jalba Claudius, R. Diekmann, Steffen Epple "Intelligent clutch control with incremental encoder to improve wear issues of an intercept pendulum in real time", International Conference on Applied Sciences (ICAS2016) 25–27 May 2016, Hunedoara, Romania, IOP Conf. Series: Materials Science and Engineering, Vol. 163 (2017) 012050, pp 1-10 doi: 10.1088/1757-899X/163/1/012050
			Jalba Claudius, Avdo Muminovic, Rolf Jung, Steffen Epple Students course “Introduction to industrial image recognition”, Proceedings of the 2016 International Conference and Exposition on Electrical and Power Engineering (EPE), Iași, Oct 20-22, 2016 pp. 69-74, ISBN: 978-1-5090-6128-0

			Epple Steffen, R. Jung, Jalba Claudius, V. Nasui "Software architecture for a multi-purpose real-time control unit for research purposes", International Conference on Innovative Ideas in Science (IIS2016), 10–11 Nov 2016, Baia Mare, Romania, IOP Conf. Series: Materials Science and Engineering, Vol. 200 (2017) 012033, pp 1-5, doi:10.1088/1757-899X/200/1/012033
			Epple Steffen, R. Jung, Jalba Claudius, V. Nasui "Real time capable control design with increased life expectancy for research purposes", International Conference on Innovative Ideas in Science (IIS2016), 10–11 Nov 2016, Baia Mare, Romania, IOP Conf. Series: Materials Science and Engineering, Vol. 200 (2017) 012034, pp 1-7, doi:10.1088/1757-899X/200/1/012034
			Epple Steffen, Jalba Claudius, A. Muminovic, R. Jung "Retrofit concept for small safety related stationary machines", International Conference on Innovative Ideas in Science (IIS2016), 10–11 Nov. 2016, Baia Mare, Romania, IOP Conf. Series: Materials Science and Engineering, Vol. 200 (2017) 012035, pp 1-5, doi:10.1088/1757-899X/200/1/012035, http://iopscience.iop.org/article/10.1088/1757-899X/200/1/012035
		Filip Andrei Catalin	Considerations Regarding the Current State of Research in the Field of the Processing of Titanium Alloys Used in the Aeronautical Industry. SCIENTIFIC BULLETIN, Serie C, Fascicle: Mechanics, Tribology, Machine Manufacturing Technology, ISSN 1224-3264, Vol. 2023, No.XXXVII, Code: 610, Indexed by: ProQuest, EBSCO Publishing
		Goloman I. Ionut-Aurelian	Lamination of metal slat profiles. SCIENTIFIC BULLETIN, Serie C, Fascicle: Mechanics, Tribology, Machine Manufacturing Technology, ISSN 1224-3264, Vol. 2021 No.XXXV. BULETIN ȘTIINȚIFIC, Seria C, Fascicola:

			Mecanică, Tribologie, Tehnologia Construcțiilor de Mașini. pp. 7-12. Code: 610, Indexed by: ProQuest, EBSCO Publishing, www.proquest.com, www.ebsco.com
		Flaviu-Nicolae Kesucz	Kesucz, F., Banica, M., Nasui, V. Theoretical Aspects Regarding The Optimized Control Of The Electromechanical Actuators Used In The Flow Control. Acta Technica Napocensis - Series: Applied Mathematics, Mechanics, and Engineering, , November, .Vol. 62, Issue IV. 2019. 531-542
		Moldovan Ștefan Adrian	Defining the thermal impact during the machining process of aluminium alloy extruded profile using Taguchi method, International Conference on Innovative Ideas in Science and Ocial and Technological Development, MOLDOVAN, Ș. A., COSMA, M., NĂSUI V., Materials Science and Engineering, indexed by Thomson Reuters - Web of Sciences (Conference Proceedings Citation Index) and Scopus, 2018.
			On optimal design through the utility function parameterization method, Product Design, Robotics, Advanced Mechanical & Mechatronic Systems and Innovation Conference PRASIC'18, COTEȚIU R., MOLDOVAN, S. A., ALEXANDRESCU A., NĂSUI V. , IOP Publishing Conference Series: Materials Science and Engineering, 2018.
			Defining the machining process for complex parts made from aluminum alloy extruded profiles by correcting raw material deviations, MATEC Web of Conferences, ISSN 2261-236X, [5] MOLDOVAN, Ș. A., BANICA,. M., NĂSUI V, EDP Sciences, Vol. 112 IManE&E, 2017, http://www.scientific.net .
			Experimental research about positioning correction of CNC machine with X-axis up to 12000 millimeters using laser measurement equipment, MATEC Web Conferences. Cedex A: E D P Sciences, MATEC Web Conferences., Book Series:MATEC Web of Conferences. Article Number: UNSP

		02009 Published: 2017 G. Oancea and M. V. Dragoi, Eds. ISI Web of Science, MOLDOVAN, Ș. A., COSMA, M., NĂSUI V. , Cedex A: E D P Sciences, Volume 94, 2017, DOI: 10.1051, Art No. 02009. 4th International Conference on Computing and Solutions in Manufacturing Engineering 2016- COSME'16, 2017, https://research.utcluj.ro/index.php/isi-proceedings-2017-301.html http://apps.webofknowledge.com/
		Establish the CNC Machining Strategy in Relation With Geometric Complexity of the Parts Made From Aluminum Alloy Extruded Profile, International Conference on Innovative Ideas in Science (IIS2016), Bristol: Iop Publishing Ltd, Article Number: UNSP 012007 doi: 10.1088/1757-899X/200/1/012033. ISI Web of Science, MOLDOVAN, Ș. A., COSMA, M., NĂSUI V. , L. D. Lemle, Ed. Book Series: IOP Conference Series-Materials Science and Engineering, Volume 200 (2017), 2017, https://research.utcluj.ro/index.php/isi-proceedings-2017-301 , http://apps.webofknowledge.com/
		Developing a method to reduce the effect of internal stress which appear on the complex parts made from aluminum alloy extruded profiles, International Scientific Journal "Materials Science. Non-Equilibrium Phase Transformations", WEB ISSN 2534-8477; PRINT ISSN 2367-749X YEAR III, MOLDOVAN Ș. A, IV International Scientific Congress “Machines. Technologies. Materials” HTBS, 2017, http://stumejournals.com/journals/ms/2017/1/30/pdf
		Defining the machining process for complex parts made from aluminum alloy extruded profiles by correcting raw material deviations, MATEC Web of Conferences, ISSN 2261-236X, DOI: 10.1051/matecconf/201711201011. BDI Indexing: Elsevier: SCOPUS, Ei Compendex (CPX), Cambridge Scientific Abstracts (CSA), Chemical Abstracts (CA), Google Scholar, ISI (ISTP, CPCI, Web of Science, Institution of

			Electrical Engineers (IEE),. Thomson Reuters Conference Proceedings Citation Index (ISI Web of Science data base), MOLDOVAN, Ș. A., BANICA,. M., NĂSUI V., Publisher: EDP Sciences, Vol. 112, Article number: 01011, 2017, http://www.scientific.net .
			Defining the machining process for complex parts made from aluminum alloy extruded profiles by correcting raw material deviations, MATEC Web of Conferences, ISSN 2261-236X, DOI: 10.1051/mateconf/201711201011. BDI Indexing: Elsevier: SCOPUS, Ei Compendex (CPX), Cambridge Scientific Abstracts (CSA), Chemical Abstracts (CA), Google Scholar, ISI (ISTP, CPCI, Web of Science, Institution of Electrical Engineers (IEE),. Thomson Reuters Conference Proceedings Citation Index (ISI Web of Science data base), MOLDOVAN, Ș. A., BANICA,. M., NĂSUI V., Publisher: EDP Sciences, Vol. 112, Article number: 01011, 2017, http://www.scientific.net .
		Oșan Andrei Raul	Oșan. A., Bănică. M. and Năsui. V. 2018 "Processing of Convex Complex Surfaces with Toroidal Milling Versus Ball Nose End Mill," MATEC Web of Conferences. Volume 178, 2018, Art. Nr. 01003. The 22nd International Conference on Innovative Manufacturing Engineering and Energy - IManE&E 2018, Chișinău. Section Advanced Machining and Surface Engineering. ISSN: 2261-236X. DOI:10.1051/mateconf/201817801003
			Oșan A R., Bănică, M., Năsui V. 2019 The influence of inclination of the axis of the toroidal tool on a flat surface roughness. Innovative Manufacturing Engineering and Energy (IManEE 2019) - "50 Years of Higher Technical Education at the University of Pitesti" -The 23rd edition of IManEE 2019 International Conference, 22–24 May 2019, IOP Conf. Series: Materials Science and Engineering 564 (2019) 012003 IOP

		Publishing. doi:10.1088/1757-899X/564/1/012003. Volume 564/2019 ISSN 17578981
		Osan, A.R.; Drența, R.F. Application of Artificial Neural Networks in Predicting Surface Quality and Machining Time. Machines 2025, 13, 561. https://doi.org/10.3390/machines13070561
		Osan, A.; Banica, M. Comparison of the Wear of Toroidal and Spherical Cutters in Milling and the Impact of Corrosion. Appl. Sci. 2025, 15, 8403. https://doi.org/10.3390/app15158403
		Oșan. A., Cosma. M. and Năsui V., "Milling convex surfaces with toroidal cutting edge," IOP Conference Series: Materials Science and Engineering, Volume 749 (2020) 012021, The International Conference of the Carpathian Euro-Region Specialists in Industrial Systems 11–12 April 2019, Baia Mare, Romania. IOP Publishing doi:10.1088/1757-899X/749/1/012021
		Oșan. A, "Improving roughness using toroidal milling for complex surface processing," Magazine of Hydraulics, Pneumatics, Tribology, Ecology, Sensorics, Mechatronics. Hidraulica, vol. 1, pp. 24-31, 2018. ISSN 1453 -7303; ISSN - L 1453 - 7303. Indexed by international databases: ProQuest, EBSCO Publishing ,Google Scholar, UlrichsWeb Periodicals Directory.
		Oșan. A., Bănică. M. and Năsui. V. "The Experimental Research Methodology of Toroidal Cutting Processes," Scientific Bulletin, Serie C, Fascicle: Mechanics, Tribology, Machine Manufacturing Technology, ISSN 1224-3264, Volume 2018 No. XXXII pp. 2-5, 2018. Part: 1, Code: 610, Indexed by: ProQuest, EBSCO Publishing, www.proquest.com , www.ebsco.com www.csa.com
		Oșan. A., Bănică. M, and Năsui. V. 2021 "Prediction of roughness of planar surfaces processed with toroidal milling

			through an artificial neural network", Innovative Manufacturing Engineering and Energy (IManEE 2020) "1st Virtual Edition in Manufacturing and Energy" -The 24rd edition of IManEE 2020 International Conference, 14-15 December 2020. IOP Conference Series: Materials Science and Engineering, 1037(1), 012028 IOP Publishing. doi: 10.1088/1757-899X/1037/1/012028. ISSN 17578981
			Oșan. A., Bănică. M, Butnar. L. and Năsui V. 2021 " Comparison of the roughness of concave cylindrical surfaces machined with spherical milling cutters and toroidal milling cutters", CoSME'20, Brașov, Romania
			Application of MHR and ABC Methods in the Calculation of the Costs of Scientific Publication. TRANSACTIONS on ENGINEERING AND MANAGEMENT, Scientific Bulletin of the Politehnica University of Timisoara, Romania, 11(1), 7., ISSN 2392-7364
		Pașca Nicolae Ioan	Experimental research on machining with dlc diamond coated milling tools of aluminum alloy parts used in the aeronautical industry, ACTA TECHNICA NAPOCENSIS, Technical University of Cluj-Napoca, Series Applied Mathematics, Mechanics, and Engineering 2024. Vol. Vol 67, No 4 (2024), 3, Nicolae Ioan PAȘCA, Mihai BĂNICĂ, Lucian BUTNAR, Vasile NĂSUI
			Experimental research on machining 2043 al-li alloy used in aircraft construction using uncoated and dlc-coated milling tools, International Conference Innovative Manufacturing Engineering and Energy IManEE 2025, 15–16 May 2025, ACTA TECHNICA NAPOCENSIS, Technical University of Cluj-Napoca, Series Applied Mathematics, Mechanics, and Engineering, 2025, Nicolae Ioan PASCA, Mihai BANICA, Lucian BUTNAR, Marius COSMA.

			Considerations Related to the Past, Present and Future of use of Aluminum Alloys in the Aeronautical Industry. Scientific Bulletin, Serie C, Fascicle: Mechanics, Tribology, Machine Manufacturing Technology, ISSN 1224-3264, Volume 2023, No. XXXVII, pp. 44-46, 2023. Part: 1, Code: 610, 1, 2023, Nicolae Ioan Pasca, Mihai Banica, Lucian Butnar, Marius Cosma
			Considerations regarding the use of DLC coated tools used in the machining of aluminum alloys used in the aeronautical industry, 12th International Conference on Applied Sciences (ICAS2024), Journal of Physics: Conference Series 2927 (2024) 012006, doi:10.1088/1742-6596/2927/1/012006, 2024, N Pasca, M Banica, L Butnar și V Nasui
			Pașca Nicolae Ioan, Mihai Banica, Nicolae Ungureanu, Marius Cosma, Vasile Nasui, Experimental research methodology for testing DLC-coated milling tools used in machining parts in the aeronautical industry. SCIENTIFIC BULLETIN, Serie C, Fascicle: Mechanics, Tribology, Machine Manufacturing Technology, ISSN 1224-3264, Vol. 2024, No.XXXVIII, Code: 610, 2025, Pașca Nicolae Ioan, Mihai Banica, Nicolae Ungureanu, Marius Cosma, Vasile Nasui
		Rognean Sebastian Ioan	SESIUNEA ANUALĂ DE COMUNICĂRI ȘTIINȚIFICE A STUDENȚILOR NORDTech 2021/PAGINA 40
10	PÎSLĂ Doina Liana	Banica Alexandru Vlad	Tohanean N., Tucan P., Vanta O.-M., Abrudan C., Pinteș S., Gherman B., Burz A., Banica A., Vaida C., Neguran D.A., Ordog A., Tarnita D., Pîslă D.: The Efficacy of the NeuroAssist Robotic System for Motor Rehabilitation of the Upper Limb—Promising Results from a Pilot Study, Int. J. Clin. Med. 2023, 12(2), 425, DOI: 10.3390/jcm12020425
			Tucan P., Vaida C., Ulinici I., Banica A., Burz A., Pop N., Birlescu I., Gherman B., Pîslă D., Carbone G., Antal T., Plitea

			N. : Optimization of the ASPIRE Spherical Parallel Rehabilitation Robot Based on Its Clinical Evaluation, Int. J. Environ. Res. Public Health 2021, 18(6), 3281, DOI: 10.3390/ijerph18063281, (ISI indexed Journal)
			Pisla D., Nadas I., Tucan P., Albert S., Carbone G., Antal T., Banica A., Gherman B., Development of a Control System and Functional Validation of a Parallel Robot for Lower Limb Rehabilitation, Actuators, (2021), 277, 10(10), DOI: 10.3390/act10100277, (ISI indexed journal)
			Major Z., Vaida C., Major K., Tucan P., Brusturean E., Gherman B., Birlescu I., Craciunaş R., Ulinici I., Simori G., Banica A., Pop N., Burz A., Carbone G., Pisla D., Comparative Assessment of Robotic versus Classical Physical Therapy Using Muscle Strength and Ranges of Motion Testing in Neurological Diseases, Journal of Personalized Medicine, (2021), 953, 11(10), DOI: 10.3390/jpm11100953, (ISI indexed Journal)
			Nadas I., Gherman B., Albert S., Surducun V., Nicoleta P., Carbone G., Banica A., Pisla D., Innovative development of a parallel robotic system for lower limb rehabilitation, Acta Technica Napocensis-Series: Applied Mathematics, Mechanics, and Engineering, 64, 1-S2, 2021(ISI indexed Journal)
			Vaida C., Ulinici I., Banica A., Burz A., Gherman B., Tucan P., Pisla A., Carbone G., Pisla D., First clinical evaluation of a spherical robotic system for shoulder rehabilitation, New Trends in Medical and Service Robotics: MESROB 2020 7, pp. 62-70, Springer International Publishing, 2021 (ISI proceedings indexed conference)

			Banica A., Gherman B., Tohanean N., Antal T., Pisla A., Abrudan C., Carbone G., Pisla D., Inverse dynamic modeling of a parallel elbow rehabilitation robot for spasticity treatment, International Conference on Robotics in Alpe-Adria Danube Region, pp. 392-400, Springer International Publishing, 2022 (ISI proceedings indexed conference)
			Tohanean N., Tucan P., Vanta O.M., Abrudan C., Pintea S., Gherman B., Burz A., Banica A., Vaida C., Negurean D.A., Ordog A., Tarnita D., Pisla D., The Efficacy of the NeuroAssist Robotic System for Motor Rehabilitation of the Upper Limb—Promising Results from a Pilot Study, Journal of Clinical Medicine, volume 12, Issue 2, pp. 425, MDPI, 2023 (ISI indexed journal)
			Gherman B., Banica A., Tucan P., Vaida C., Antal T., Pisla D., Inverse dynamic modeling of a parallel wrist rehabilitation robot towards an assistive control modality, 2021 25th International Conference on System Theory, Control and Computing (ICSTCC), pp. 284-289, IEEE, 2021 (ISI proceedings indexed conference)
			Nadas I., Tucan P., Gherman B., Banica A., Rednic V., Carbone G., Pisla D., On the design and validation of a parallel robot for lower limb rehabilitation, The Romanian Journal of Technical Sciences. Applied Mechanics. Volume 67, Issue 2, pp. 177-195, 2022 (BDI indexed journal)
			Real-Time Motion Compensation for Dynamic Dental Implant Surgery, Journal of Clinical Medicine (JCM), ISSN 2077-0383, Daria Pisla, Vasile Nicolae Bulbucan, Mihaela Hedesiu, Doina Pisla, Editura MDPI, 2025
		Bulbucan Vasile-Nicolae	A Vision-Guided Robotic System for Safe Dental Implant Surgery, Journal of Clinical Medicine (JCM), ISSN 2077-0383,

			Daria Pislă, Vasile Nicolae Bulbucan, Mihaela Hedeşiu, Doina Pislă, Editura MDPI, 2024
			Fuzzy Adaptive Control for a 4-DOF Hand Rehabilitation Robot, Actuators, ISSN 2076-0825, Paul Tucan, Oana-Maria Vanta, Calin Vaida, Doina Pislă, Editura MDPI, 2025
			Innovative 3D Reconstruction in Oral and Sinus Surgery Using Advanced Printing Technologies, IOP Conference Series: Materials Science and Engineering, ISSN 1757-899X, Daria Pislă, Sorana Eftimie, Mihaela Hedeşiu, Horatiu Rotaru, Vasile Bulbucan, Calin Vaida, Doinel Radeanu, Raluca Roman, Editura IOP Publishing, 2024
		Cailean Andrei	On the control and validation of the PARA-SILSROB surgical parallel robot, Applied Sciences, 2076-3417, Doina Pislă, Calin Popa, Alexandru Pusca, Andra Ciocan, Bogdan Gherman, Emil Mois, Andrei-Daniel Cailean, Calin Vaida, Corina Radu, Damien Chablat, Nadim Al Hajjar, MDPI, 2024
			Real-Time Motion Compensation for Dynamic Dental Implant Surgery, Clinical Medicine, 2077-0383, Daria Pislă, Vasile Bulbucan, Mihaela Hedeşiu, Calin Vaida, Andrei Cailean, Rares Mocan, Paul Tucan, Cristian Dinu, Doina Pislă, TEAM Project Group, MDPI, 2025
			On the development of an innovative surgical parallel robotic system, IFMBE Proceedings, 1433-9277, Alexandru Pusca, Iulia Andras, Andrei Cailean, Nicolae Crisan, Calin Vaida, Corina Radu, Bogdan Gherman, Nadim Al Hajjar, Damien Chablat, Doina Pislă, Springer Nature Switzerland, 2023
			Design of a Novel Robotic Instrument Used for Minimally Invasive Esophagectomy, Mechanisms and Machine Science, 2211-0992, Bogdan Gherman, Andrei Cailean, David Eles, Paul Tucan, Daniela Jucan, Alexandru Pusca, Calin Vaida, Doina Pislă, Springer Nature Switzerland, 2025

			On the accuracy assessment of a parallel robot for the minimally invasive cancer treatment, Journal of Engineering Sciences and Innovation, 2300-8725, DOINA PISLA, BOGDAN GHERMAN, PAUL TUCAN, ADRIAN PISLA, NADIM AL HAJJAR, ANDREI CAILEAN, CALIN VAIDA, Technical Sciences, 2024
		Caprariu Andrei	Titlu: Design and Experimental Setup of a Robotic Medical Instrument for Brachytherapy in Non-Resectable Liver Tumors; Publicație: Cancers (ISSN 2072-6694); Autori: Tucan, P.; Vaida, C.; Horvath, D.; Caprariu, A.; Burz, A.; Gherman, B.; Iakab, S.; Pisla, D.; Editura: MDPI; An: 2022 Titlu: A 3D-Printed Anatomical Pancreas Model for Robotic-Assisted Minimally Invasive Surgery; Publicație: Journal of Functional Biomaterials (ISSN 2079-4983); Autori: Vaida, C.; Ciocan, A.; Caprariu, A.; Radu, C.; Hajjar, N.A.; Pisla, D.; Editura: MDPI; An: 2025 Titlu: A Combined Mirror–EMG Robot-Assisted Therapy System for Lower Limb Rehabilitation; Publicație: Technologies (ISSN 2227-7080); Autori: Covaciu, F.; Gherman, B.; Vaida, C.; Pisla, A.; Tucan, P.; Caprariu, A.; Pisla, D.; Editura: MDPI; An: 2025 Titlu: On the Stiffness Modelling of the ProHep-LCT Robotic Needle Insertion Instrument; Volum: Advances in Service and Industrial Robotics – RAAD 2023 (Mechanisms and Machine Science, vol 135, Springer); Autori: Gherman, B.; Radu, C.; Caprariu, A.; Al Hajjar, N.; Vaida, C.; Ciocan, A.; Tucan, P.; Mois, E.; Pisla, D.; Editura: Springer; An: 2023 Titlu: On the Design Optimization of a Parallel Robotic System for Liver Cancer Treatment; Volum: Advances in Mechanism and Machine Science – IFToMM WC 2023 (Mechanisms and Machine Science, vol 148, Springer); Autori: Gherman, B.; Ciocan, A.; Caprariu, A.; Tucan, P.; Radu, C.; Vaida, C.; Pisla,

			A.; Horsia, A.; Al Hajjar, N.; Pislă, D.; Editura: Springer; An: 2023
			Titlu: Design Optimization of RAISE Parallel Robot for Lower Limb Rehabilitation; Volum: Advances in Mechanism and Machine Science – IFToMM WC 2023 (Mechanisms and Machine Science, vol 147, Springer); Autori: Caprariu, A.; Tucan, P.; Vaida, C.; Pislă, A.; Gherman, B.; Pislă, D.; Editura: Springer; An: 2023
			Titlu: Conceptual Design of a Flexible Instrument for Robot-Assisted Laparoscopic Pancreatic Surgery; Volum: New Trends in Medical and Service Robotics – MESROB 2025 (Mechanisms and Machine Science, vol 186, Springer); Autori: Gherman, B.; ...; Caprariu, A.; Editura: Springer; An: 2025
			Titlu: Design Analysis of an Innovative Parallel Robot for Minimally Invasive Pancreatic Surgery; Volum: New Trends in Medical and Service Robotics – MESROB 2025 (Mechanisms and Machine Science, vol 186, Springer); Autori: Pislă, D.; ...; Caprariu, A.; Editura: Springer; An: 2025
			Titlu: A Functional Design Analysis for a Robotic Guided Instrument Used in Radiofrequency Ablation; Publicație: ACTA TECHNICA NAPOCENSIS – Series: APPLIED MATHEMATICS, MECHANICS, and ENGINEERING; Autori: Caprariu, A.; Al Hajjar, N.; Vaida, C.; Graur, F.; Pislă, A.; Mois, E.; Tucan, P.; Radu, C.; Birlescu, I.; Pislă, D.; An: 2022
		Horsia Alin Iulian	THE CONCEPTUAL DESIGN OF A PARALLEL MECHANISM WITH DEGREES OF FREEDOM FOR ROBOTIC ASSISTED MINIMALLY INVASIVE SURGERY, ACTA TECHNICA NAPOCENSIS SERIES- APPLIED MATHEMATICS MECHANICS AND ENGINEERING, 1221-5872, Alin HORSIA, Ionut ZIMA,

			Damien CHABLAT, Calin VAIDA, Alexandru PUSCA, Tiberiu ANTAL, Bogdan GHERMAN, Doina PISLA, TECHNICAL UNIV CLUJ-NAPOCA, FAC MACHINE BUILDING DEPT SYSTEMS ENGB-DUL MUNCII NR 103-105, RM C01, CLUJ-NAPOCA CP 400 641, ROMANIA, 2025.
			Design Improvement of a Parallel Robot for Lower Limb Rehabilitation, ROBOTICS AND MECHATRONICS, ISRM 2024 ,2211-0984, Doina Pislă, Paul Tucan, Nicoleta Tohanean, Iosif Birlescu, Cristian Abrudan, Alin Horsia, Bogdan Gherman, Adrian Pislă, Jose Machado & Calin Vaida, SPRINGER INTERNATIONAL PUBLISHING AGGEWERBESTRASSE 11, CHAM, CH-6330, SWITZERLAND, 2024 A Singularity-Free Approach for Safe Operation of a Parallel Robot for Lower Limb Rehabilitation, ADVANCES IN SERVICE AND INDUSTRIAL ROBOTICS, RAAD 2023
			2211-0984, Paul Tucan, Bogdan Gherman, Adrian Pislă, Alin Horsia, Calin Vaida & Doina Pislă, SPRINGER INTERNATIONAL PUBLISHING AGGEWERBESTRASSE 11, CHAM, CH-6330, SWITZERLAND, 2023
			On the Design Optimization of a Parallel Robotic System for Liver Cancer Treatment, Advances in Mechanism and Machine Science, Bogdan Gherman, Andra Ciocan, Andrei Caprariu, Paul Tucan, Corina Radu, Calin Vaida, Adrian Pislă, Alin Horsia, Nadim Al Hajjar & Doina Pislă, 2023
			Modeling and analysis of a parallel robotic system for lower limb rehabilitation with predefined operational workspace, PERGAMON-ELSEVIER SCIENCE LTD, 0094-114X, Iosif Birlescu, Nicoleta Tohanean, Calin Vaida, Bogdan Gherman, Deborah Neguran, Alin Horsia, Paul Tucan, Daniel Condurache, Doina Pislă,

		PERGAMON-ELSEVIER SCIENCE LTD THE BOULEVARD, LANGFORD LANE, KIDLINGTON, OXFORD OX5 1GB, ENGLAND, 2024 Design Improvement of a Parallel Robot for Lower Limb Rehabilitation, The 8th International Symposium on Robotics and Mechatronics, Pislă, D; Tucan, P; Tohanean, N; Birlescu, I; Abrudan, C; Horsia, A; Gherman, B; Pislă, A; Machado, J; Vaida, C, 2024; THE CONCEPTUAL DESIGN OF A PARALLEL MECHANISM WITH 3 DEGREES OF FREEDOM FOR ROBOTIC ASSISTED MINIMALLY INVASIVE SURGERY, The Joint International Conference of the 7th International Conference on Mechanical Engineering and the 3rd International Conference on Advanced Research in Engineering, Alin Horsia, Ionut ZIMA, Damien CHABLAT, Calin VAIDA, Alexandru PUSCA, Tiberiu ANTAL, Bogdan GHERMAN, Doina PISLA, 2024; PUSCA, Tiberiu ANTAL, Bogdan GHERMAN, Doina PISLA, 2024; Kinematic modelling of a parallel robot for wrist rehabilitation, The 34th International Conference on Robotics in Alpe-Adria-Danube Region, Paul Tucan, Alin Horsia, Calin Vaida, Iosif Birlescu, Pislă Adrian, Jose Machado, Doina Pislă, 2025
		Pierre Mougnot Development of an innovative parallel robot used in laparoscopic pancreatic surgery — The 14th IFToMM International Symposium on Science of Mechanisms and Machines, autori: Alexandru Pușca; Florin Covaciu; Alin Burz; Alin Horșia; Pierre Mougnot; Adrian Pîslă; Jefte Nagy; Nicoleta Pop; Ionuț Zima; Damien Chablat, editura Springer, anul 2025

			Review on retractor design to enhance minimally invasive pancreatotomy: Addressing challenges in deep tissue access — International Workshop on Medical and Service Robots, autori: Pierre Mougnot; Bogdan Gherman; Calin Vaida; Doina Pisla; Damien Chablat, editura Springer Nature Switzerland, anul 2025
		Iuliu Adrian Nadăș	Innovative Development of a Parallel Robotic System for Lower Limb Rehabilitation Acta Technica Napocensis - Series: Applied Mathematics, Mechanics, and Engineering, 64(1-S2) 2021. Autori: Nadas, I., Gherman, B., Albert, S., Surducun, V., Pop, N., Carbone, G., Banica, A., & Pisla, D. Development of a Control System and Functional Validation of a Parallel Robot for Lower Limb Rehabilitation Actuators 2021, 10, 277 Autori: Pisla, D., Nadas, I., Tucan, P., Albert, S., Carbone, G., Antal, T., Banica, A., Gherman, B https://doi.org/10.3390/act10100277 Considerations for Designing Robotic Upper Limb Rehabilitation Devices AIP Conference Proceedings ISBN:978-0-7354-1609-3; ISSN: 0094-243X; Autori: Nadas, I. ; Vaida, C ; Gherman, B; Pisla, D ;Carbone, G, 2017 https://aip.scitation.org/doi/10.1063/1.5018278 Design of dual-arm exoskeleton for mirrored upper limb rehabilitation în New Trends in Medical and Service Robotics – Advances in Theory and Practice eBook ISBN 978-3-030-00329-6 Autori: Iuliu Nadas, Doina Pisla, Marco Ceccarelli , Calin Vaida, Bogdan Gherman,

		Paul Tucan, Giuseppe Carbone https://link.springer.com/chapter/10.1007/978-3-030-00329-6_34
		Towards Cost-Oriented User-Friendly Robotic Systems for Post-Stroke Rehabilitation In M. Habib (Ed.), Handbook of Research on Biomimetics and Biomedical Robotics (pp. 99-141). Hershey, PA (2018):IGI Global Autori: Nadas, I. A., Pisla, D., Vaida, C., Gherman, B. G., & Carbone, G. doi:10.4018/978-1-5225-2993-4.ch005
		ON THE DESIGN AND VALIDATION OF A PARALLEL ROBOT FOR LOWER LIMB REHABILITATION Romanian Journal of Technical Sciences. Applied Mechanics.: Vol. 67 No. 2 (2022): The Romanian Journal of Technical Sciences Autori: Nadas, I., Tucan, P., Gherman B., Banica A., Rednic V., Carbone G., Pisla D https://rjts-applied-mechanics.ro/index.php/rjts/article/view/346
		Dynamic balancing of the RECOVER robotic system 2020 IOP Conf. Ser.: Mater. Sci. Eng. 997 012083 Autori: Nadas, I., A., Gherman, B., Birlescu, I., Banica, A., Carbone, G., Pisla, D doi:10.1088/1757-899X/997/1/012083
		Nadas, I., Gherman, B., Tucan, P., Carbone, G., Pisla, A., Antal, T., Pisla, D.: Inverse Dynamic Modeling of a Parallel. In: Proceedings of SYROM 2022 & ROBOTICS 2022: 13th IFToMM International Symposium on Science of Mechanisms and Machines & XXV International Conference on Robotics. p. 177. Springer Nature (2023)
		Design and Simulation of Gait Rehabilitation Parallel Robotic System In: Lovasz EC., Maniu I., Doroftei I., Ivanescu M., Gruescu CM. (eds) New Advances in Mechanisms, Mechanical

			Transmissions and Robotics. MTM&Robotics 2020. Mechanisms and Machine Science, vol 88. Springer, Cham. Autori:Gherman, B., Nadas I., Tucan, P., Carbone, G., Pisla, D. https://doi.org/10.1007/978-3-030-60076-1_17
		Pop Nicoleta Maria	Titlul articolului: Comparative Assessment of Robotic versus Classical Physical Therapy Using Muscle Strength and Ranges of Motion Testing in Neurological Diseases Denumirea publicației: Journal of Personalized Medicine, 11(10), 953 ISSN/ISBN: ISSN 2075-4426 Autorii: Major, Z. Z.; Vaida, C.; Major, K. A.; Tucan, P.; Brusturean, E.; Gherman, B.; Birlescu, I.; Crăciunaș, R.; Ulinici, I.; Simori, G.; Banica, A.; Pop, N.; Burz, A.; Carbone, G.; Pisla, D. Editura: MDPI Anul apariției: 2021 Titlul articolului: Optimization of the ASPIRE Spherical Parallel Rehabilitation Robot Based on Its Clinical Evaluation Denumirea publicației: International Journal of Environmental Research and Public Health, 18(6), 3281 ISSN/ISBN: ISSN 1660-4601 Autorii: Tucan, P.; Vaida, C.; Ulinici, I.; Banica, A.; Burz, A.; Pop, N.; Birlescu, I.; Gherman, B.; Plitea, N.; Antal, T.; Carbone, G.; Pisla, D. Editura: MDPI Anul apariției: 2021 Titlul articolului: Analysis and preliminary design of a new parallel robot for SILS Denumirea publicației: Proceedings of the 2022 IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR) ISSN/ISBN: IEEE (conferință)

			Autorii: Ulinici, I.-M., Crisan, N., Vaida, C., Andras, I., Pisla, D. Editura: IEEE Anul apariției: 2022
			Titlul articolului: Innovative development of a parallel robotic system for lower limb rehabilitation Denumirea publicației: Acta Technica Napocensis, Series: Applied Mathematics, Mechanics, and Engineering, 64(Special II) ISSN/ISBN: – Autorii: Nadas, I.; Gherman, B.; Albert, S.; Surducun, V.; Pop, N.; Carbone, G.; Banica, A.; Pisla, D. Editura: Universitatea Tehnică din Cluj-Napoca Anul apariției: 2021
		Pusca Alexandru	Workspace analysis of two innovative parallel robots for single incision laparoscopic surgery, Acta Technica Napocensis-Series: Applied Mathematics, Mechanics, and Engineering, 1221-5872, PUSCA, Alexandru; Gabriela, RUS; BIRLESCU, Iosif; VAIDA, Calin; PISLA, Adrian; SCHONSTEIN, Claudiu; GHERMAN, Bogdan; TUCAN, Paul; PISLA, Doina, ACTA, 2022, Singularity analysis and geometric optimization of a 6-DOF parallel robot for SILS, Machines, 2075-1702, Pisla, Doina; Birlescu, Iosif; Crisan, Nicolae; Pusca, Alexandru; Andras, Iulia; Tucan, Paul; Radu, Corina; Gherman, Bogdan; Vaida, Calin, MDPI, 2022 Safety issues in the development of an innovative medical parallel robot used in renal single-incision laparoscopic surgery, Journal of Clinical Medicine, 2077-0383, Pisla, Doina; Crisan, Nicolae; Gherman, Bogdan; Andras, Iulia; Tucan, Paul; Radu, Corina; Pusca, Alexandru; Vaida, Calin; Al Hajjar, Nadim, MDPI, 2023

		Integration of virtual reality in the control system of an innovative medical robot for single-incision laparoscopic surgery, Sensors, 1424-8220, Covaciu, Florin; Crisan, Nicolae; Vaida, Calin; Andras, Iulia; Pusca, Alexandru; Gherman, Bogdan; Radu, Corina; Tucan, Paul; Al Hajjar, Nadim; Pisla, Doina, MDPI, 2023
		Development of an augmented reality simulator for a robotic system used in single incision laparoscopic surgery, The Romania Journal of Technical Sciences. Applied Mechanics, 2601-582X, Vaida, Calin; Rus, Gabriela; Gherman, Bogdan; Pusca, Alexandru; Tucan, Paul; Ulinici, Ionut; Pisla, Doina, RJTS, 2023
		On the control and validation of the PARA-SILSROB surgical parallel robot, Applied Sciences, 2076-3417, Pisla, Doina; Popa, Calin; Pusca, Alexandru; Ciocan, Andra; Gherman, Bogdan; Mois, Emil; Cailean, Andrei-Daniel; Vaida, Calin; Radu, Corina; Chablat, Damien et al, MDPI, 2024
		On the robotic-assisted rehabilitation of the upper limb using collaborative robots, Technical Sciences, 2601 -6699, PISLA, DOINA; GHERMAN, BOGDAN; MACHADO, JOSE; BUTA, DENIS; PUSCA, ALEXANDRU; ADRIAN, PISLA; NEAMTIU, ALEXANDRU; ANTAL, TIBERIU; VAIDA, CALIN, JESI, 2025
		The conceptual design of a parallel mechanism with 3 degrees of freedom for robotic assisted minimally invasive surgery, ACTA TECHNICA NAPOCENSIS-Series: APPLIED MATHEMATICS, MECHANICS, and ENGINEERING, 1221-5872, Horsia, Alin; Ionut, ZIMA; Chablat, Damien; Vaida, Calin; Pusca, Alexandru; Antal, Tiberiu; Gherman, Bogdan; Pisla, Doina, ACTA, 2025
		Modeling and Simulation of a Novel Parallel Robotic System for Minimally Invasive Pancreatic Surgery, Journal of

			Mechanisms and Robotics, 1942-4310, Pisla, Doina; Pusca, Alexandru; Gherman, Bogdan; Pislă, Adrian; Birlescu, Iosif; Tucan, Paul; Vaida, Calin; Chablat, Damien, American Society of Mechanical Engineers, 2025
			Geometric modeling of a new modular spherical robotic system for single incision laparoscopic surgery, ADVANCES IN SERVICE AND INDUSTRIAL ROBOTICS, RAAD 2022, 2211-0984, Vaida, Calin; Birlescu, Iosif; Pusca, Alexandru; Gherman, Bogdan; Tucan, Paul; Antal, Tiberiu Alexandru; Pislă, Doina, Mechanisms and Machine Science, 2022
			APPLICATION ORIENTED MODELLING AND SIMULATION OF AN INNOVATIVE PARALLEL ROBOT FOR SINGLE INCISION LAPAROSCOPIC SURGERY, PROCEEDINGS OF ASME 2022 INTERNATIONAL DESIGN ENGINEERING TECHNICAL CONFERENCES AND COMPUTERS AND INFORMATION IN ENGINEERING CONFERENCE, IDETC-CIE2022, VOL 7, 978-0-7918-8628-1, Pislă, Doina; Gherman, Bogdan; Tucan, Paul; Birlescu, Iosif; Pusca, Alexandru; Rus, Gabriela; Pislă, Adrian; Vaida, Calin, AMER SOC MECHANICAL ENGINEERS, 2022
			KINEMATICS AND WORKSPACE ANALYSIS OF AN INNOVATIVE 6-DOF PARALLEL ROBOT FOR SILS, Proc. Rom. Acad. Ser. A, 1454-9069, Pislă, Doina; Birlescu, Iosif; Pusca, Alexandru; Tucan, Paul; Gherman, Bogdan; Vaida, C, EDITURA ACAD ROMANE, 2022
			On the Development of an Innovative Surgical Parallel Robotic System, ADVANCES IN DIGITAL HEALTH AND MEDICAL BIOENGINEERING, VOL 1, EHB-2023,1680-0737, Pusca, Alexandru; Andras, Iulia; Cailean, Andrei; Crisan, Nicolae; Vaida, Calin; Radu, Corina; Gherman, Bogdan; Al Hajjar,

		Nadim; Chablat, Damien; Pisla, Doina, SPRINGER INTERNATIONAL PUBLISHING AG, 2023
		Design and Functional Analysis of a New Parallel Modular Robotic System for Single Incision Laparoscopic Surgery, NEW TRENDS IN MEDICAL AND SERVICE ROBOTICS, MESROB 2023, 2211-0984, Pisla, Doina; Andras, Iulia; Pusca, Alexandru; Radu, Corina; Gherman, Bogdan; Tucan, Paul; Crisan, Nicolae; Vaida, Calin; Al Hajjar, Nadim, SPRINGER INTERNATIONAL PUBLISHING AG, 2023
		Development of a Force Feedback, Proceedings of SYROM 2022 & ROBOTICS 2022: 13th IFToMM, 2211-0984, Gherman, B; Horvath, D; Mois, E; Vaida, C; Graur, F; Burz, A; Popa, C; Tucan, P; Al Hajjar, N; Pusca, A; others, Mechanisms and Machine Science, 2023
		Accuracy and Repeatability of a Parallel Robot for Personalised Minimally Invasive Surgery, ADVANCES IN SERVICE AND INDUSTRIAL ROBOTICS, RAAD 2024, 2211-0984, Pisla, Doina; Tucan, Paul; Chablat, Damien; Al Hajjar, Nadim; Ciocan, Andra; Pusca, Alexandru; Pisla, Adrian; Radu, Corina; Pop, Grigore; Gherman, Bogdan, SPRINGER INTERNATIONAL PUBLISHING AG, 2024
		Kinematic Analysis of a Parallel Robot for Minimally Invasive Surgery, ADVANCES IN ROBOT KINEMATICS 2024, ARK 2024, 2511-1256, Vaida, Calin; Gherman, Bogdan; Birlescu, Iosif; Tucan, Paul; Pusca, Alexandru; Rus, Gabriela; Chablat, Damien; Pisla, Doina, SPRINGER INTERNATIONAL PUBLISHING AG, 2024
		A Flexible Instrument for Robotic Assisted Minimally Invasive Esophagectomy, NEW TRENDS IN MECHANISM AND MACHINE SCIENCE, EUCOMES 2024, 2211-0984, Tucan, Paul; Birlescu, Iosif; Pusca, Alexandru; Gherman, Bogdan; Jucan, Daniela; Antal, Tiberiu; Vaida, Calin; Pisla, Adrian;

		Chablat, Damien; Pisla, Doina, SPRINGER INTERNATIONAL PUBLISHING AG, 2024
		A New Approach to Forward Kinematics for a SILS Robotic Orientation Platform Based on Perturbation Theory, Advances in Robot Kinematics 2022, 2511-1256, Birlescu, Iosif; Vaida, Calin; Pusca, Alexandru; Rus, Gabriela; Pisla, Doina, Springer Cham, 2022
		Development of a Force Feedback Control for Robotic Assisted Liver Cancer Treatment, Proceedings of SYROM 2022 & ROBOTICS 2022, 978-3-031-25657-8, Gherman, B; Horvath, D; Mois, E; Vaida, C; Graur, F; Burz, A; Popa, C; Tucan, P; Al Hajjar, N; Pusca, A; others, sPRINGER CHAM, 2022
		Welding Process Automation Using a Robotic Cell. Case Study, nnovations in Mechanical Engineering III, 2195-4356, Pop, Grigore; Pusca, Alexandru; Tucan, Paul; Moldovan, Alexandru; Jucan, Daniela; Gherman, Bogdan, Springer Cham, 2024
		Design of a Novel Robotic Instrument Used for Minimally Invasive Esophagectomy, Proceedings of I4SDG Workshop 2025 - IFToMM for Sustainable Development Goals,978-3-031-91178-1, Gherman, Bogdan; Cailean, Andrei; Eles, David; Tucan, Paul; Jucan, Daniela; Pusca, Alexandru; Vaida, Calin; Pisla, Doina, Springer Cham, 2025
		Design of an innovative robotic surgical instrument for circular stapling, EUCOMES 2025, Tucan, Paul; Al Hajjar, Nadim; Vaida, Calin; Pusca, Alexandru; Radu, Corina; Jucan, Daniela; Antal, Tiberiu; Pisla, Adrian; Chablat, Damien; Pisla, Doina, Springer Cham, 2025
		Design analysis of an innovative parallel robot for minimally invasive pancreatic surgery, MESROB 2025, Pisla, Doina; Pusca, Alexandru; Caprariu, Andrei; Pisla, Adrian; Gherman, Bogdan; Vaida, Calin; Chablat, Damien, Springer Cham, 2025

			Modeling and simulation of an innovative parallel robot for pancreatic surgery, DETC/CIE2025, Pisla, Doina; Pusca, Alexandru; Gherman, Bogdan; Pisla, Adrian; Birlescu, Iosif; Tucan, Paul; Vaida, Calin; Chablat, Damien, Springer Cham, 2025
			Development of an innovative parallel robot used in laparoscopic pancreatic surgery, SYROM 2025, Pusca, Alexandru; Covaciu, Florin; Burz, Alin; Horsia, Alin; Mougenot, Pierre; Pisla, Adrian; Nagy, Jefte; Pop, Nicoleta; Zima, Ionut; Chablat, Damien; others, Springer Cham, 2025
		Sebeni Dragoş-Daniel	Tucan P, Vanta O-M, Vaida C, Ciupe M, Sebeni D, Pisla A, Stiole S, Lupu D, Major Z, Gherman B, et al. Fuzzy Adaptive Control for a 4-DOF Hand Rehabilitation Robot. Actuators. 2025; 14(7):351
			Conceptual Design of a Flexible Instrument for Robot-Assisted Laparoscopic Pancreatic Surgery, NEW TRENDS IN MEDICAL AND SERVICE ROBOTICS, MESROB 2025, 109-118, Gherman B, Hajjar N-A, Zima I, Bulbucan V, Radu C, Sebeni D, Vaida C, Caprariu A, Pisla D, Mechanisms and Machine Science, 2025.
			Inverse Dynamics Analysis and Simulation of an Innovative 3 DOF Wrist Rehabilitation Robot, INNOVATIONS IN MECHANICAL ENGINEERING IV, ICIENG 2025, 21-30, Vaida C, Tucan P, Sebeni D, Vanta O, Birlescu I, Gherman B, Antal T, Pisla D, Lecture Notes in Mechanical Engineering, 2025
			Conceptual Design of an Innovative Robotic Device for Hand Rehabilitation, PROCEEDINGS OF I4SDG WORKSHOP 2025 - IFTOMM FOR SUSTAINABLE DEVELOPMENT GOALS, I4SDG 2025, 71-30, Zima I, Sebeni D, Bulbucan V, Vaida C, Gherman B, Machado J, Tucan P, Antal T, Pisla D, Mechanism and Machine Science, 2025

		Ulinici Ionut Mihai	Titlul articolului: Optimization of the ASPIRE Spherical Parallel Rehabilitation Robot Based on Its Clinical Evaluation Denumirea publicației: International Journal of Environmental Research and Public Health, 18(6), 3281 ISSN/ISBN: ISSN 1660-4601 Autorii: Tucan, P.; Vaida, C.; Ulinici, I.; Banica, A.; Burz, A.; Pop, N.; Birlescu, I.; Gherman, B.; Plitea, N.; Antal, T.; Carbone, G.; Pislă, D. Editura: MDPI Anul apariției: 2021
			Titlul articolului: Comparative Assessment of Robotic versus Classical Physical Therapy Using Muscle Strength and Ranges of Motion Testing in Neurological Diseases Denumirea publicației: Journal of Personalized Medicine, 11(10), 953 ISSN/ISBN: ISSN 2075-4426 Autorii: Major, Z. Z.; Vaida, C.; Major, K. A.; Tucan, P.; Brusturean, E.; Gherman, B.; Birlescu, I.; Crăciunaș, R.; Ulinici, I.; Simori, G.; Banica, A.; Pop, N.; Burz, A.; Carbone, G.; Pislă, D. Editura: MDPI Anul apariției: 2021
			Titlul articolului: Kinematics and workspace simulation of a new parallel robot for SILS Denumirea publicației: Acta Technica Napocensis, Series: Applied Mathematics, Mechanics, and Engineering, 65(Special II) ISSN/ISBN: – Autorii: Ulinici, I.; Vaida, C.; Gherman, B.; Antal, T.; Tucan, P.; Pislă, D.

			Editura: Universitatea Tehnică din Cluj-Napoca Anul apariției: 2022
			Titlul articolului: Analysis and preliminary design of a new parallel robot for SILS Denumirea publicației: Proceedings of the 2022 IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR) ISSN/ISBN: – Autorii: Ulinici, I.-M.; Crisan, N.; Vaida, C.; Andras, I.; Pisla, D. Editura: IEEE Anul apariției: 2022
			Titlul articolului: Structural study of a robotic system for SILS surgery Denumirea publicației: In D. Tarnita, N. Dumitru, D. Pisla, G. Carbone & I. Geonea (Eds.), New Trends in Medical and Service Robotics (pp. 20–31) ISSN/ISBN: ISBN 978-3-031-32446-8 Autorii: Pisla, D.; Crisan, N.; Ulinici, I.; Gherman, B.; Radu, C.; Tucan, P.; Vaida, C. Editura: Springer Nature Switzerland Anul apariției: 2023
			Titlul articolului: U-net network optimization for 3D reconstruction in robotic SILS pre-planning phase Denumirea publicației: In S. Vlad & N. M. Roman (Eds.), 8th International Conference on Advancements of Medicine and Health Care Through Technology (pp. 21–29) ISSN/ISBN: ISBN 978-3-031-51120-2 Autorii: Pisla, D.; Andras, I.; Rus, G.; Moldovan, C.; Crisan, N.; Antal, T.; Ulinici, I.; Vaida, C. Editura: Springer Nature Switzerland Anul apariției: 2024

			Titlul articolului: U-net network optimization for 3D reconstruction in robotic SILS pre-planning phase Denumirea publicației: In S. Vlad & N. M. Roman (Eds.), 8th International Conference on Advancements of Medicine and Health Care Through Technology (pp. 21–29) ISSN/ISBN: ISBN 978-3-031-51120-2 Autorii: Pislă, D.; Andras, I.; Rus, G.; Moldovan, C.; Crisan, N.; Antal, T.; Ulinici, I.; Vaida, C. Editura: Springer Nature Switzerland Anul apariției: 2024
			Titlul articolului: Development of an augmented reality simulator for a robotic system used in single incision laparoscopic surgery Denumirea publicației: Romanian Journal of Technical Sciences – Applied Mechanics, 68(1), 3–18 ISSN/ISBN: – Autorii: Vaida, C.; Rus, G.; Gherman, B.; Pusca, A.; Tucan, P.; Ulinici, I.; Pislă, D. Editura: Academia Română Anul apariției: 2023
		Zima Ionut Marian	Fuzzy Adaptive Control for a 4-DOF Hand Rehabilitation Robot — Actuators, ISSN 2076-0825, autori: Paul Tucan; Oana-Maria Vanta; Călin Vaida; Mihai Ciupe; Dragoș Sebeni; Adrian Pîslă; Simona Stiole; David Lupu; Zoltan Major; Bogdan Gherman, editura MDPI, anul 2025
			Robotic systems for hand rehabilitation—past, present and future — Technologies, ISSN 2227-7080, autori: Bogdan Gherman; Ionuț Zima; Călin Vaida; Paul Tucan; Adrian Pîslă; Iosif Birleşcu; José Machado; Doina Pîslă, editura MDPI, anul 2025

		Enhancing Robotic-Assisted Lower Limb Rehabilitation Using Augmented Reality and Serious Gaming — Applied Sciences, ISSN 2076-3417, autori: Călin Vaida; Gabriela Rus; Paul Tucan; José Machado; Adrian Pîslă; Ionuț Zima; Iosif Birleşcu; Doina Pîslă, editura MDPI, anul 2024
		A vision-guided robotic system for safe dental implant surgery — Journal of Clinical Medicine, ISSN 2077-0383, autori: Daria Pîslă; Vasile Bulbucan; Mihaela Hedeșiu; Călin Vaida; Ionuț Zima; Rareș Mocean; Paul Tucan; Cristian Dinu; Doina Pîslă; TEAM Project Group, editura MDPI, anul 2024
		The conceptual design of a parallel mechanism with 3 degrees of freedom for robotic assisted minimally invasive surgery — ACTA TECHNICA NAPOCENSIS – Series: Applied Mathematics, Mechanics, and Engineering, ISSN 1221-5872, autori: Alin Horsia; Ionuț Zima; Damien Chablat; Călin Vaida; Alexandru Pușca; Tiberiu Antal; Bogdan Gherman; Doina Pîslă, editura TUCN, anul apariției 2025
		Development of an innovative parallel robot used in laparoscopic pancreatic surgery — The 14th IFToMM International Symposium on Science of Mechanisms and Machines, autori: Alexandru Pușca; Florin Covaciu; Alin Burz; Alin Horșia; Pierre Mougenot; Adrian Pîslă; Jefte Nagy; Nicoleta Pop; Ionuț Zima; Damien Chablat, editura Springer, anul 2025
		Conceptual Design of a Flexible Instrument for Robot-Assisted Laparoscopic Pancreatic Surgery — International Workshop on Medical and Service Robots (MESROB 2025), ISBN 978-3-031-96081-9 , autori: Bogdan Gherman; Nadim Al Hajjar; Ionuț Zima; Vasile Bulbucan; Corina Radu; Dragoș Sebeni; Călin Vaida; Andrei Căprariu; Doina Pîslă, editura Springer, anul 2025

			Conceptual Design of an Innovative Robotic Device for Hand Rehabilitation — International Workshop IFToMM for Sustainable Development Goals, ISBN 978-3-031-91179-8 , autori: Ionuț Zima; Dragoș Sebeni; Vasile Bulbucan; Călin Vaida; Bogdan Gherman; José Machado; Paul Tucan; Tiberiu Antal; Doina Pîslă, editura Springer, anul 2025
			Development of a Virtual Reality Simulator for a Robotic-Assisted Laparoscopic Surgery — IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR), ISBN 979-8-3503-6191-9, autori: Florin Covaciu; Bogdan Gherman; Gabriela Rus; Călin Vaida; Ionuț Zima; Doina Pîslă, editura IEEE, anul 2024
			Positioning of a Surgical Parallel Robot Using Artificial Intelligence — Advances in Service and Industrial Robotics: RAAD 2024, ISBN 978-3-031-59256-0 (hardcover) / 978-3-031-59257-7 (eBook) / 978-3-031-59259-1 (softcover), autori: Florin Covaciu; Paul Tucan; Gabriela Rus; Adrian Pîslă; Ionuț Zima; Bogdan Gherman, editura Springer, anul 2024.
11	PUSTAN Marius Sorin	Ciudin Paul	"Influence of Polymers Surface Roughness on Noise Emissions in 3D-Printed UAV Propellers", Polymers, DOI10.3390/polym17081015, Popister, F (Popister, Florin); Goia, HS (Goia, Horea Stefan); Ciudin, P (Ciudin, Paul), MDPI, 2025 "Comparative study using CAD optimization tools for the workspace of a 6DOF parallel kinematics machine", Applied Sciences, doi.org/10.3390/app12189258, Sergiu-Dan Stan, Florin Popișter, Alexandru Oarcea, Paul Ciudin, MDPI, 2022 "Development of Smart Orthosis with Real-time Corrective Feedback", 17th International Conference on Engineering of Modern Electric Systems (EMES), Alexandru Oarcea, Florin Popister, Paul Ciudin, Michael Christian Salatioan, IEEE, 2023

			"Empowering Rehabilitation: Design and Structural Analysis of a Low-Cost 3D-Printed Smart Orthosis", Polymers, DOI10.3390/polym16101303, Popister, F (Popister, Florin); Dragomir, M (Dragomir, Mihai); Ciudin, P (Ciudin, Paul); Goia, HS (Goia, Horea Stefan), MDPI, 2024
			"Experimental Study of a 3D Printing Strategy for Polymer-Based Parts for Drone Equipment Using Bladeless Technology", Polymers, DOI10.3390/polym16040533, Popister, F (Popister, Florin); Goia, HS (Goia, Horea Stefan); Ciudin, P (Ciudin, Paul); Dragomir, D (Dragomir, Diana), MDPI, 2024
			"Development of an Educational Cobot Structure", Lecture Notes in Mechanical Engineering, DOI10.1007/978-3-031-56463-5_2, Popister, F (Popister, Florin); Horea-Stefan, G (Horea-Stefan, Goia); Paul, C (Paul, Ciudin), Springer, 2025
			"Implementation of Human Gestures in the Control of Collaborative Robots", Lecture Notes in Mechanical Engineering, DOI10.1007/978-3-031-56467-3_3, Ciudin, P (Ciudin, Paul); Goia, HS (Goia, Horea Stefan); Popister, F (Popister, Florin), Springer, 2024
			"From Assistive to Intelligent: The Development of a Low-Cost Smart Crutch System", Lecture Notes in Mechanical Engineering, 10.1007/978-3-031-95218-0_6, Popister, F (Popister, Florin); Ciudin, P (Ciudin, Paul); Dragomir, M (Dragomir, Mihai); Goia, HS (Goia, Horea Stefan), Springer, 2025
		Mărieș Ionuț-Tudor	Determining the tribological properties of different 3D printing filaments, IOP Conference Series: Materials Science and Engineering, I-T Maries, C Vilau, M S Pustan, C Dudescu and H G Crisan, Eng. 724 012022DOI 10.1088/1757-899X/724/1/012022

12	TĂTAR Mihai Olimpiu	Băneasă Andrei Ovidiu	3D Printed Harmonic Drive for Legged Mobile Robots, ADVANCES IN SERVICE AND INDUSTRIAL ROBOTICS, RAAD 2024, ISSN: 2211-0984, D. G. Buleandra, A. O. Băneasă*, R. C. Donca, SPRINGER INTERNATIONAL PUBLISHING AG, 2024, https://link.springer.com/chapter/10.1007/978-3-031-59257-7_59. Unveiling the Potential of Modular Mobile Robotic Systems. A Review, MECHANISM DESIGN FOR ROBOTICS, MEDER 2024, ISSN: 2211-0984, Andrei Baneasa*, Debora Buleandra, Olimpiu Tatar*, Radu Donca, SPRINGER INTERNATIONAL PUBLISHING AG, 2024, https://link.springer.com/chapter/10.1007/978-3-031-67383-2_5 Lightweight Implementation of the AES Encryption Algorithm for IoT Applications Constrained by Memory and Processing Power, 2024 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS, AQTR, ISSN: 1844-7872, A. Băneasă, R. Donca, S. Besoiu and D. Buleandă, IEEE, 2024, https://ieeexplore.ieee.org/document/10554275 The Evolution of Hybrid Locomotion Systems in Robotics: Statistical Analysis and Publication Trends, The 14th IFToMM International Symposium on Science of Mechanisms and Machines (SYROM), ISBN: 978-3-032-14022-7 D. Buleandă, Andrei Băneasă, O. Tătar, SPRINGER, 2026, https://link.springer.com/book/9783032140227 [SpringerLink] Diudea H., Baldogi, T. Bălan, R. A comparative analysis of model-based control methods applied for the active suspension system, 2021 9th International Conference on Modern Power Systems (MPS), Cluj-Napoca, Romania, 2021, pp. 1-4, doi: 10.1109/MPS52805.2021.9492670, WOS:000941563300078 [WOS].
----	---------------------	-----------------------	---

		Pop Cornel-Vlad	Baldogi, T., Diudea, H., & Bălan, R. (2021, June). Improving the vibration reliability testing process. In 2021 9th International Conference on Modern Power Systems (MPS), Cluj-Napoca, Romania, 2021, (pp. 1-4). IEEE. WOS:000941563300071 [WOS].
		Gyarmati Marton	M. Gyarmati, F. Kadar, H. Guțu, M. O. Tătar, "Contributions to the search and rescue robots development with TriSTAR and WHEGS Units", ACTA TEHNICA NAPOCENSIS Series: Applied Mathematics, Mechanics and Engineering, Vol. 65, No. 2, 2022, ISSN 2393–2988.
		Kadar Francisc	Kadar, F., Tătar, M. O., - Design and simulation of a spherical mobile robot. ACTA TECHNICA NAPOCENSIS, Applied Mathematics, Mechanics, and Engineering, Vol. 65, Issue I, March 2022, pp. 101- 106. WOS:000832312500015, (IF 0.3), (Q4).
			Gyarmati, M., Kadar, F., Guțu, H., Tătar, M. O., - Contributions to the search and rescue robots development with TRISTAR and WHEGS units. ACTA TECHNICA NAPOCENSIS, Applied Mathematics, Mechanics, and Engineering, Vol. 65, Issue 2, 2022, pp. 263- 272. WOS:000838236300017, (IF 0.3), (Q4).
			Kadar, F., Tătar, M.O., - Studies and research on mobile robots with whegs-wheel reconfigurable locomotion units. MTM&ROBOTICS_2024 - The Joint International Conference of the XIV International Conference on Mechanisms and Mechanical Transmissions (MTM) and the XXVI International Conference on Robotics (ROBOTICS), Iasi, November 14-15, 2024, In: Doroftei, I., Lovasz, EC. (eds) New Advances in Mechanisms, Mechanical Transmissions and Robotics. MTM&Robotics 2024. Mechanisms and Machine Science, vol 178. Springer, Cham. https://doi.org/10.1007/978-3-031-87537-

			3_3, WOS:001512809900003 [SpringerLink], [SCOPUS], [Web of Science].
		Mărieș Marco	RESEARCH STUDIES REGARDING MOBILE ROBOTS USED FOR EMERGENCY SITUATIONS, Acta Technica Napocensis – Series: Applied Mathematics and Mechanics, ISSN: 1221-5872, Marco Mărieș and Mihai Olimpiu Tătar, Editura Universității Tehnice din Cluj-Napoca, 2023
			Design and Simulation of Mobile Robots Operating Within Networked Architectures Tailored for Emergency Situations, Applied Sciences, ISSN 2076-3417, Marco Mărieș and Mihai Olimpiu Tătar, MDPI, Basel, Switzerland, 2025
			OT Control and Integration of Mobile Robotic Networks, Electronics, ISSN 2079-9292, Marco Mărieș and Mihai Olimpiu Tătar, MDPI, Basel, Switzerland, 2025
			Contributions to the Development of Network Integration of Mobile Robots for Emergency Situations, 6th IFToMM Symposium on Mechanism Design for Robotics Timișoara, Marco Mărieș and Mihai Olimpiu Tătar, 2024
		Pop Cornel - Vlad	Pop, C. V., Tătar, M. O. (2021). Studies and research on the locomotion of mobile robots inspired by biosystems. Robotica & Management, Vol.26, No.2., pp.35-42, DOI: https://doi.org/10.24193/rm.2021.2.6 [Index Copernicus].
		Simerean Anca-Corina	Simerean, A.-C., & Tătar, M. O. (2025). Tetrahedral Mobile Robots: A Systematic Literature Review. Applied Sciences, 15(18), 9979, eISSN 2076-3417. MDPI
			Simerean, A.-C., & Tătar, M. O. (2024). Contributions to the Development of Tetrahedral Mobile Robots with Omnidirectional Locomotion Units. Machines, 12(12), 852, EISSN 2075-1702. MDPI

			Simerean, A.-C.; Tătar, M.O. „Studies regarding tetrahedral robots with omnidirectional locomotion units”. Acta Technica Napocensis – Series: Applied Mathematics, Mechanics and Engineering, Vol. 66, No. 3, 2023, ISSN 2393-2988 (Online) / ISSN-L 1221-5872
		Banabic Antonio-Ioan	Mobile exploration robot with hybrid locomotion system, RAAD 2024, 978-3-031-59257-7, Antonio Ioan Banabic & Mihai Olimpiu Tătar, Springer Nature Switzerland, 2024, https://0710lad9t-y-https-link-springer-com.z-e-nformation.ro/chapter/10.1007/978-3-031-59257-7_58
			Mobile Robot for Exploration: A Bibliometric Analysis, the 14th IFToMM International Symposium on Science of Mechanisms and Machines (SYROM), Antonio Ioan Banabic & Mihai Olimpiu Tătar, 2025
13	Todoruț Ioan-Adrian	Dragoste Marian-Daniel	Evaluation of the Influence of Transverse Track Inclination on Vehicle Stability Parameters at the Limit of Side Rollover, Acta Technica Napocensis, Series: Applied Mathematics, Mechanics, and Engineering, Vol. 67, Issue I, March, 2024, pg. 101-110, ISSN: 1221-5872, eISSN: 2393-2988, Duma, Irina; Burnete, N.; Todoruț, A.; Cordoș, N.; Barabás, I.; Molea, Andreia; Dragoste, M.-D.; Efrim, R.-M.; Terec, A., Editura U.T.PRESS, Cluj-Napoca, 2024, WOS:001250317300010, https://atna-mam.utcluj.ro/index.php/Acta/article/view/2288/1810; Possibilities of Assessing the Vehicle Stability Parameters in the Case of Rollover and Rolling Accidents, Acta Technica Napocensis, Series: Applied Mathematics, Mechanics, and Engineering, Vol. 66, Issue I, March, 2023, pg. 35-50, ISSN: 1221- 5872, eISSN: 2393-2988, Todoruț, A.; Cordoș, N.; Duma, Irina; Barabás, I.; Burnete, N.; Efrim, R.-M.; Dragoste, M.-D., Editura U.T.PRESS, Cluj-Napoca, 2023,

			WOS:000995805400004, https://atna-mam.utcluj.ro/index.php/Acta/article/view/2096/1665 .
			Comparative Analysys of the Possibilities to Evaluate the Dynamic Performances for Internal Combustion, Electric and Hybrid Vehicles by Mathematical Modeling, Acta Technica Napocensis, Series: Applied Mathematics, Mechanics, and Engineering, Vol. 65, Issue II, June, 2022, pg. 251-262, ISSN 1221-5872, Dragoste, M.-D.; Duma, Irina, Cordoș, N.; Todoruț, A., Editura U.T.PRESS, Cluj-Napoca, 2022, WOS:000838236300016, https://atna-mam.utcluj.ro/index.php/Acta/article/view/1813/1461 .
			Possibilities to evaluate the vehicle precollision travel velocity in the case of a frontal impact with a fixed object, through numerical modelling, IOP Conference Series: Materials Science and Engineering (IOP Conf. Ser.: Mater. Sci. Eng.), Bristol, Vol. 1311, Iss. 1, (Sep 2024), 012046, The 32nd International Congress of SIAR of Automotive and Transport Engineering 26/10/2022 - 28/10/2022 Timisoara, Romania, MVT2022, DOI: 10.1088/1757-899X/1311/1/012046, ISSN: 1757-8981, Duma, Irina; Burnete, N.; Todoruț, A.; Barabás, I.; Dragoste, M.-D., IOP Publishing Ltd, 2024, WOS:001530989600046, https://iopscience.iop.org/article/10.1088/1757-899X/1311/1/012046 .
		Efim H. Radu Mihai	Evaluation of the Influence of Transverse Track Inclination on Vehicle Stability Parameters at the Limit of Side Rollover, Acta Technica Napocensis, Series: Applied Mathematics, Mechanics, and Engineering, Vol. 67, Issue 1, March, 2024, pp. 101–110, ISSN: 1221-5872, eISSN: 2393-2988, Dumșa, Irina; Burnete, N.; Todoruț, A.; Cordeș, N.; Barabás, I.; Irodea, Andrei; Dragoste, M.-D.; Efrim, R.-M.; Terec, A., Editura U.T.PRESS, Cluj-Napoca, 2024, WOS:00012503173000010

			Possibilities of Assessing the Vehicle Stability Parameters in the Case of Rollover and Rolling Accidents, Acta Technica Napocensis, Series: Applied Mathematics, Mechanics, and Engineering, Vol. 66, Issue 1, March, 2023, pp. 35–50, ISSN: 1221-5872, eISSN: 2393-2988, Todoruț, A.; Cordeș, N.; Dumșa, Irina; Barabás, I.; Burnete, N.; Efrim, R.-M.; Dragoste, M.-D., Editura U.T.PRESS, Cluj-Napoca, 2023, WOS:00095985405000004
		Terec Alexandru	Assessment of Road Vehicle Accident Approaches—A Review, Vehicles 2025, 7(1):10, ISSN: 2624-8921, DOI: 10.3390/vehicles7010010, Duma, Irina; Burnete, N.; Todoruț, A.; Cordoș, N.; Danci, C.-C.; Terec, A., 2025, WOS:001453114600001, https://doi.org/10.3390/vehicles7010010; Evaluation of the influence of transverse track inclination on vehicle stability parameters at the limit of side rollover, Acta Technica Napocensis, Series: Applied Mathematics, Mechanics and Engineering, Vol. 67, Issue I, March, 2024, pg. 101-110, ISSN 2392-2988, Duma, Irina, Burnete, N., Todoruț, A., Cordoș, N., Barabás, I., Molea, A., Dragoste, M-D., Efrim, R-M., Terec, A., 2024, WOS:001250317300010. Transdisciplinary Possibilities for Approaching Road Traffic Accidents: A Review. In: Chiru, A., Covaciu, D. (eds) CONAT 2024 International Congress of Automotive and Transport Engineering, Part Three: Road Traffic and Safety, pp. 189-200, CONAT 2024, Proceedings in Automotive Engineering, Print ISBN: 978-3-031-77634-2, Online ISBN: 978-3-031-77635-9, Series ISSN: 2524-7778, Series e-ISSN: 2524-7786, DOI:10.1007/978-3-031-77635-

			9_17, Terec, A.; Todoruț, A.; Barabás, I.; Cordoș, N.; Duma, Irina, Springer, Cham, 2025, WOS:001462621100017, https://doi.org/10.1007/978-3-031-77635-9_17 , https://link.springer.com/chapter/10.1007/978-3-031-77635-9_17 .
14	VAIDA Liviu Călin	Rus Gabriela Alexandra	Pisla, D., Al Hajjar, N., Rus, G., Gherman, B., Ciocan, A., Radu, C., Vaida, C., & Chablat, D. (2025). Development of an Augmented Reality Surgical Trainer for Minimally Invasive Pancreatic Surgery. <i>Applied Sciences</i>, 15(7), 3532 Vaida, C., Rus, G., Tucan, P., Machado, J., Pisla, A., Zima, I., Birlescu, I., & Pisla, D. (2024). Enhancing Robotic-Assisted Lower Limb Rehabilitation Using Augmented Reality and Serious Gaming. <i>Applied Sciences</i>, 14(24), 12029. Vaida, C., Gherman, B., Birlescu, I., Tucan, P., Pusca, A., Rus, G., Chablat, D., & Pisla, D. (2024). Kinematic analysis of a parallel robot for minimally invasive surgery. In <i>Advances in Robot Kinematics 2024</i> (pp. 188–195). Springer. Rus, G., Vaida, C., Gherman, B., Pisla, A., Nae, L., Tucan, P., Ciupe, M., & Pisla, D. (2023). On the development and validation of a matchmaking mentoring platform. <i>Acta Technica Napocensis Series: Applied Mathematics, Mechanics and Engineering</i>, 66(SI), 193–198. Rus, G., Andras, I., Vaida, C., Crisan, N., Gherman, B., Radu, C., Tucan, P., Iakab, S., Al Hajjar, N., & Pisla, D. (2023). Artificial Intelligence-Based Hazard Detection in Robotic-Assisted Single-Incision Oncologic Surgery. <i>Cancers</i>, 15(13), 3387. Pusca, A., Rus, G., Birlescu, I., Vaida, C., Pisla, A., Schonstein, C., Gherman, B., Tucan, P., & Pisla, D. (2022). Workspace analysis of two innovative parallel robots for single incision

		laparoscopic surgery. Acta Technica Napocensis Series: Applied Mathematics, Mechanics and Engineering, 65(SI), 407–414.
		Vaida, C., Rus, G., Lupu, D., Gherman, B., Tucan, P., Horvath, D., Machado, J., & Pislă, D. (2024). Assessment of Different Biosignals with Potential Benefits in Robotic Assisted Neuromotor Rehabilitation. In H. N. Costin, R. Magjarevic, & G. G. Petroiu (Eds.), <i>Advances in Digital Health and Medical Bioengineering</i> (Vol. 1, pp. 86–94). Springer.
		Covaciu, F., Tucan, P., Rus, G., Pislă, A., Zima, I., & Gherman, B. (2024). Positioning of a Surgical Parallel Robot Using Artificial Intelligence. In D. Pislă, G. Carbone, D. Condurache, & C. Vaida (Eds.), <i>Advances in Service and Industrial Robotics, RAAD 2024</i> (Vol. 157, pp. 87–96). Springer.
		Rus, G., Al Hajjar, N., Tucan, P., Ciocan, A., Vaida, C., Radu, C., Chablat, D., & Pislă, D. (2024). Mixed-Reality-Guided Teleoperation of a Collaborative Robot for Surgical Procedures. In D. Pislă, G. Carbone, D. Condurache, & C. Vaida (Eds.), <i>Advances in Service and Industrial Robotics, RAAD 2024</i> (Vol. 157, pp. 233–241). Springer.
		Covaciu, F., Gherman, B., Rus, G., Vaida, C., Zima, I., & Pislă, D. (2024). Development of a Virtual Reality Simulator for a Robotic-Assisted Laparoscopic Surgery. In <i>2024 IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR)</i> (pp. 317–322). IEEE.
		Pislă, D., Gherman, B., Tucan, P., Birlescu, I., Pusca, A., Rus, G., Pislă, A., & Vaida, C. (2022). Application oriented modelling and simulation of an innovative parallel robot for single incision laparoscopic surgery. In <i>Proceedings of ASME 2022 International Design Engineering Technical Conferences and Computers and Information in Engineering Conference (IDETC-CIE2022)</i> , Vol. 7 (Paper No. V007T07A032). ASME.

			Pisla, D., Al Hajjar, N., Rus, G., Gherman, B., Ciocan, A., Radu, C., Vaida, C., & Chablat, D. (2025). Development of an Augmented Reality Surgical Trainer for Minimally Invasive Pancreatic Surgery. <i>Applied Sciences</i> , 15(7), 3532
			Vaida, C., Rus, G., Tucan, P., Machado, J., Pisla, A., Zima, I., Birlescu, I., & Pisla, D. (2024). Enhancing Robotic-Assisted Lower Limb Rehabilitation Using Augmented Reality and Serious Gaming. <i>Applied Sciences</i> , 14(24), 12029.
			Vaida, C., Gherman, B., Birlescu, I., Tucan, P., Pusca, A., Rus, G., Chablat, D., & Pisla, D. (2024). Kinematic analysis of a parallel robot for minimally invasive surgery. In <i>Advances in Robot Kinematics 2024</i> (pp. 188–195). Springer.
			Rus, G., Vaida, C., Gherman, B., Pisla, A., Nae, L., Tucan, P., Ciupe, M., & Pisla, D. (2023). On the development and validation of a matchmaking mentoring platform. <i>Acta Technica Napocensis Series: Applied Mathematics, Mechanics and Engineering</i> , 66(SI), 193–198.
			Rus, G., Andras, I., Vaida, C., Crisan, N., Gherman, B., Radu, C., Tucan, P., Iakab, S., Al Hajjar, N., & Pisla, D. (2023). Artificial Intelligence-Based Hazard Detection in Robotic-Assisted Single-Incision Oncologic Surgery. <i>Cancers</i> , 15(13), 3387.
			Pusca, A., Rus, G., Birlescu, I., Vaida, C., Pisla, A., Schonstein, C., Gherman, B., Tucan, P., & Pisla, D. (2022). Workspace analysis of two innovative parallel robots for single incision laparoscopic surgery. <i>Acta Technica Napocensis Series: Applied Mathematics, Mechanics and Engineering</i> , 65(SI), 407–414.
			Covaciu, F., Gherman, B., Rus, G., Vaida, C., Zima, I., & Pisla, D. (2024). Development of a Virtual Reality Simulator for a Robotic-Assisted Laparoscopic Surgery. In <i>2024 IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR)</i> (pp. 317–322). IEEE.

			Pisla, D., Gherman, B., Tucan, P., Birlescu, I., Pusca, A., Rus, G., Pisla, A., & Vaida, C. (2022). Application oriented modelling and simulation of an innovative parallel robot for single incision laparoscopic surgery. In Proceedings of ASME 2022 International Design Engineering Technical Conferences and Computers and Information in Engineering Conference (IDETC-CIE2022), Vol. 7 (Paper No. V007T07A032). ASME.
15	VARGA Bogdan-Ovidiu	Cărauşan V. Horaţiu	Connected and Autonomous Vehicles in Urban Mobility: Technologies, Challenges and Opportunities, Proceedings in Automotive Engineering (CONAT 2024 International Congress of Automotive and Transport Engineering), ISBN 978-3-031-77634-2 (print) / 978-3-031-77635-9 (online), Ioan-Tudor Oargă; Bogdan Ovidiu Varga; Dan Moldovanu; Gabriel Prunean; Horaţiu Cărauşan, Springer Cham, 2024, https://doi.org/10.1007/978-3-031-77635-9_10
			Energy Efficiency Analysis of a Fuel Cell Bus Model Using Real Scenarios Generated by Data Collection, Sustainability, EISSN 2071-1050, Horaţiu Cărauşan; Bogdan Ovidiu Varga; Dan Moldovanu; Gabriel Prunean; Ioan-Tudor Oargă, MDPI, 2024, https://doi.org/10.3390/su16051863
			Modular Autonomous Vehicles' Application in Public Transport Networks: Conceptual Analysis on Airport Connection, Sustainability, EISSN 2071-1050, Ioan-Tudor Oargă; Bogdan Ovidiu Varga; Dan Moldovanu; Horaţiu Cărauşan; Gabriel Prunean, MDPI, 2024, https://doi.org/10.3390/su16041512
			Connected and Autonomous Vehicles in Urban Mobility: Technologies, Challenges and Opportunities Denumirea publicaţiei: CONAT 2024 International Congress of Automotive and Transport Engineering ISBN: 978-3-031-77635-9 Autorii: Tudor Oargă, Bogdan-Ovidiu Varga, Dan Moldovanu, Gabriel Prunean, Horaţiu Cărauşan

			Editura: Springer, Cham Anul apariției: 2024 Link activ: https://doi.org/10.1007/978-3-031-77635-9_10
			Energy Efficiency Assessment of Sustainable Public Transport Solutions: A Comparative Analysis Fuel Cell vs Battery in Real Life Scenarios Denumirea publicației: Proceedings of the 2023 58th International Universities Power Engineering Conference (UPEC) ISBN: 979-8-3503-6612-5 Autorii: Horațiu Cărașan, Bogdan Ovidiu Varga, Dan Moldovanu, Florin Mariasiu, Gabriel Prunean, Ioan-Tudor Oargă Editura: IEEE Anul apariției: 2023 Link activ: https://doi.org/10.1109/UPEC57427.2023.10294682
			Energy Efficiency Analysis of a Fuel Cell Bus Model Using Real Scenarios Generated by Data Collection, Sustainability, EISSN 2071-1050, Horațiu Cărașan; Bogdan Ovidiu Varga; Dan Moldovanu; Gabriel Prunean; Ioan-Tudor Oargă, MDPI, 2024, https://doi.org/10.3390/su16051863
			Modular Autonomous Vehicles' Application in Public Transport Networks: Conceptual Analysis on Airport Connection, Sustainability, EISSN 2071-1050, Ioan-Tudor Oargă; Bogdan Ovidiu Varga; Dan Moldovanu; Horațiu Cărașan; Gabriel Prunean, MDPI, 2024, https://doi.org/10.3390/su16041512
			Comparative analysis of fuel cell and electric public for transport busses, IOP Conference Series: Materials Science and Engineering, ISSN 1757-899X, H. Cărașan; B. O. Varga; D. Moldovanu; A. A. Sircă, IOP Publishing, 2022, https://doi.org/10.1088/1757-899X/1256/1/012041

			Connected and Autonomous Vehicles in Urban Mobility: Technologies, Challenges and Opportunities, Proceedings in Automotive Engineering (CONAT 2024 International Congress of Automotive and Transport Engineering), ISBN 978-3-031-77634-2 (print) / 978-3-031-77635-9 (online), Ioan-Tudor Oargă; Bogdan Ovidiu Varga; Dan Moldovanu; Gabriel Prunean; Horațiu Căraușan, Springer, Cham, 2024, https://doi.org/10.1007/978-3-031-77635-9_10
			Possibilities to evaluate the vehicle's accelerations through MATLAB Simulink simulations, IOP Conference Series: Materials Science and Engineering, ISSN 1757-899X, I. Duma; A. Molea; N. Cordoș; H. Căraușan; N. Burnete; I. Barabás; A. Todoruț; B. M. Jurchiș, IOP Publishing, 2024, https://doi.org/10.1088/1757-899X/1303/1/012040
			Implementation of a global trailer tracking system using a microcontroller, IOP Conference Series: Materials Science and Engineering, ISSN 1757-899X, G. A. Niga; D. Moldovanu; Andreea Anamaria Sîrcă; Horațiu Căraușan, IOP Publishing, 2022,
			Energy Efficiency Assessment of Sustainable Public Transport Solutions: a Comparative Analysis Fuel Cell vs Battery in Real-Life Scenarios, Proceedings of the 2023 58th International Universities Power Engineering Conference (UPEC), ISSN 978-1-7281-?† (conference proceedings), Horațiu Căraușan; Bogdan Ovidiu Varga; Dan Moldovanu; Florin Mariașiu; Gabriel Prunean; Ioan-Tudor Oargă, IEEE, 2023, https://doi.org/10.1109/UPEC57427.2023.10294682
			Analysis of the modes of operation of an electric vehicle on energy consumption, 2023 10th International Conference on Modern Power Systems (MPS), ISBN 978-1-6654-3382-6, Dan Moldovanu; Florin Mariasiu; Bogdan Ovidiu Varga; Adela-

			Ioana Borzan; Horațiu Căraușan; Dan Doru Micu, IEEE, 2023, https://doi.org/10.1109/MPS58874.2023.10187463
			Influence of drone's nacelle conicity on the air flow dynamics, IOP Conference Series: Materials Science and Engineering, ISSN 1757-899X; ISSN print: 1757-8981, A.A. Sirca; I. Szabo; F. Mariășiu; D. Moldovanu; H. Căraușan, IOP Publishing, 2022, https://doi.org/10.1088/1757-899X/1256/1/012015
		Oargă Ioan-Tudor	Comparative Analysis of Energy Efficiency Between Battery Electric Buses and Modular Autonomous Vehicles Denumirea publicației: Applied Sciences ISSN: 2076-3417 Autorii: by Ioan-Tudor Oargă, Gabriel Prunean, Bogdan Ovidiu Varga, Dan Moldovanu, Dan Doru Micu Editura: MDPI Anul apariției: 2024 Link activ: https://doi.org/10.3390/app14114389
			Modular Autonomous Vehicles' Application in Public Transport Networks: Conceptual Analysis on Airport Connection Denumirea publicației: Sustainability ISSN: 2071-1050 Autorii: Tudor Oargă, Bogdan-Ovidiu Varga, Dan Moldovanu, Horațiu Căraușan, Gabriel Prunean Editura: MDPI Anul apariției: 2024 Link activ: https://doi.org/10.3390/su16041512
			Energy Efficiency Analysis of a Fuel Cell Bus Model Using Real Scenarios Generated by Data Collection Denumirea publicației: Sustainability ISSN: 2071-1050 Autorii: Horațiu Căraușan, Bogdan-Ovidiu Varga, Dan Moldovanu, Gabriel Prunean, Tudor Oargă Editura: MDPI

			Anul apariției: 2024 Link activ: https://doi.org/10.3390/su16051863
			Review of Connected Autonomous Vehicles Platooning: Technologies, Challenges, and Future Directions Denumirea publicației: Advances in Science and Technology ISSN: 1662-0356 Autorii: Tudor Oargă, Bogdan-Ovidiu Varga, István Barabás, Gabriel Prunean Editura: Trans Tech Publications Anul apariției: 2024 Link activ: https://doi.org/10.4028/p-OyFO1K
			Connected and Autonomous Vehicles in Urban Mobility: Technologies, Challenges and Opportunities Denumirea publicației: CONAT 2024 International Congress of Automotive and Transport Engineering ISBN: 978-3-031-77635-9 Autorii: Tudor Oargă, Bogdan-Ovidiu Varga, Dan Moldovanu, Gabriel Prunean, Horațiu Cărașan Editura: Springer, Cham Anul apariției: 2024 Link activ: https://doi.org/10.1007/978-3-031-77635-9_10
			Energy Efficiency Assessment of Sustainable Public Transport Solutions: A Comparative Analysis Fuel Cell vs Battery in Real Life Scenarios Denumirea publicației: Proceedings of the 2023 58th International Universities Power Engineering Conference (UPEC) ISBN: 979-8-3503-6612-5 Autorii: Horațiu Cărașan, Bogdan Ovidiu Varga, Dan Moldovanu, Florin Mariasiu, Gabriel Prunean, Ioan-Tudor Oargă Editura: IEEE

			Anul apariției: 2023 Link activ: https://doi.org/10.1109/UPEC57427.2023.10294682
			The Influence of the Suspension System on the Energy Efficiency of an Autonomous Public Transport Vehicle Denumirea publicației: Annals of the University of Oradea: Fascicle of Management and Technological Engineering ISSN: 1583-0713 Autorii: Gabriel Prunean, Bogdan-Ovidiu Varga, Dan Moldovanu, Tudor Oargă, Horațiu Cărașan Editura: University of Oradea Publishing House Anul apariției: 2023
		Prunean Gabriel	Comparative Analysis of Energy Efficiency Between Battery Electric Buses and Modular Autonomous Vehicles Denumirea publicației: Applied Sciences ISSN: 2076-3417 Autorii: by Ioan-Tudor Oargă, Gabriel Prunean, Bogdan Ovidiu Varga, Dan Moldovanu, Dan Doru Micu Editura: MDPI Anul apariției: 2024 Link activ: https://doi.org/10.3390/app14114389
			Modular Autonomous Vehicles' Application in Public Transport Networks: Conceptual Analysis on Airport Connection Denumirea publicației: Sustainability ISSN: 2071-1050 Autorii: Tudor Oargă, Bogdan-Ovidiu Varga, Dan Moldovanu, Horațiu Cărașan, Gabriel Prunean Editura: MDPI Anul apariției: 2024 Link activ: https://doi.org/10.3390/su16041512
			. Energy Efficiency Analysis of a Fuel Cell Bus Model Using Real Scenarios Generated by Data Collection Denumirea publicației: Sustainability

		ISSN: 2071-1050 Aurorii: Horațiu Cărașan, Bogdan-Ovidiu Varga, Dan Moldovanu, Gabriel Prunean, Tudor Oargă Editura: MDPI Anul apariției: 2024 Link activ: https://doi.org/10.3390/su16051863
		Review of Connected Autonomous Vehicles Platooning: Technologies, Challenges, and Future Directions Denumirea publicației: Advances in Science and Technology ISSN: 1662-0356 Aurorii: Tudor Oargă, Bogdan-Ovidiu Varga, István Barabás, Gabriel Prunean Editura: Trans Tech Publications Anul apariției: 2024 Link activ: https://doi.org/10.4028/p-OyFO1K
		Connected and Autonomous Vehicles in Urban Mobility: Technologies, Challenges and Opportunities Denumirea publicației: CONAT 2024 International Congress of Automotive and Transport Engineering ISBN: 978-3-031-77635-9 Aurorii: Tudor Oargă, Bogdan-Ovidiu Varga, Dan Moldovanu, Gabriel Prunean, Horațiu Cărașan Editura: Springer, Cham Anul apariției: 2024 Link activ: https://doi.org/10.1007/978-3-031-77635-9_10
		Energy Efficiency Assessment of Sustainable Public Transport Solutions: A Comparative Analysis Fuel Cell vs Battery in Real Life Scenarios Denumirea publicației: Proceedings of the 2023 58th International Universities Power Engineering Conference (UPEC) ISBN: 979-8-3503-6612-5

			Autorii: Horațiu Căraușan, Bogdan Ovidiu Varga, Dan Moldovanu, Florin Mariasiu, Gabriel Prunean, Ioan-Tudor Oargă Editura: IEEE Anul apariției: 2023 Link activ: https://doi.org/10.1109/UPEC57427.2023.10294682
			The Influence of the Suspension System on the Energy Efficiency of an Autonomous Public Transport Vehicle Denumirea publicației: Annals of the University of Oradea: Fascicle of Management and Technological Engineering ISSN: 1583-0713 Autorii: Gabriel Prunean, Bogdan-Ovidiu Varga, Dan Moldovanu, Tudor Oargă, Horațiu Căraușan Editura: University of Oradea Publishing House Anul apariției: 2023
16	SUCIU Viorica Mihaela	Boldor Ilie-Cristian	Calculus Through Transfer-Matrix Method of Continuous Circular Plates for Applications to Chemical Reactors, Mathematics 2025, 13(17), 2708, ISSN: 2227-7390, Laurentiu-Eusebiu Chifor, Mihai-Sorin Tripa, Ilie-Cristian Boldor, Cosmin-Sergiu Brisc, Nicolae Nedelcu, Andrei-Călin Szîrbe, Liviu Bolundut, Carmen-Gabriela Băcilă, Veronica Mîndrescu, Ioan-Aurel Chereches, Vlad Muresan and Viorica-Mihaela Suci, MDPI, 2025
			Applications of the Calculus by the Transfer Matrix Method for Long Rectangular Plates Under Uniform Vertical Loads, Mathematics 2025, 13(13), 2181, Cosmin-Sergiu Brisc, Mihai-Sorin Tripa, Ilie-Cristian Boldor, Dan-Marius Dumea, Robert Gyorbíro, Petre-Corneliu Opritoiu, Laurentiu Eusebiu Chifor, Ioan-Aurel Chereches, Vlad Muresan and Mihaela Suci, MDPI, https://doi.org/10.3390/math13132181, 3 Jul 2025
			Calculus of Long Rectangular Plates Embedded in Long Borders with Uniform Vertical Load on a Line Parallel to the

			Long Borders, Mathematics 2025, 13(6), 993; Daniel Opruta, Mihai-Sorin Tripa, Luminita Codrea, Cristian Boldor, Dan Dumea, Robert Gyorbiro, Cosmin Brisc, Iulia Băraian, Petre Opritoiu, Aurel Chereches and Mihaela Suciu, MDPI, https://doi.org/10.3390/math13060993 - 18 Mar 2025
		Brisce Cosmin-Sergiu	Calculus of Long Rectangular Plates Embedded in Long Borders with Uniform Vertical Load on a Line Parallel to the Long Borders, Mathematics 2025, 13(6), 993; ISSN: 2227-7390; Daniel Opruta, Mihai-Sorin Tripa, Luminita Codrea, Cristian Boldor, Dan Dumea, Robert Gyorbiro, Cosmin Brisc, Iulia Băraian, Petre Opritoiu, Aurel Chereches and Mihaela Suciu, MDPI, https://doi.org/10.3390/math13060993 - 18 Mar 2025
			Calculus Through Transfer-Matrix Method of Continuous Circular Plates for Applications to Chemical Reactors, Mathematics 2025, 13(17), 2708; ISSN: 2227-7390; Laurențiu-Eusebiu Chifor, Mihai-Sorin Tripa, Ilie-Cristian Boldor, Cosmin-Sergiu Brisc, Nicolae Nedelcu, Andrei-Călin Szîrbe, Liviu Bolunduț, Carmen- Gabriela Băcilă, Veronica Mîndrescu, Ioan-Aurel Cherecheș, Vlad Mureșan and Viorica-Mihaela Suciu, MDPI, https://doi.org/10.3390/math13172708 - 22 Aug 2025
			Applications of the Calculus by the Transfer Matrix Method for Long Rectangular Plates Under Uniform Vertical Loads, Mathematics 2025, 13(13), 2181; Cosmin-Sergiu Brisc, Mihai-Sorin Tripa, Ilie-Cristian Boldor, Dan-Marius Dumea, Robert Gyorbiro, Petre-Corneliu Opritoiu, Laurentiu Eusebiu Chifor, Ioan-Aurel Chereches, Vlad Muresan and Mihaela Suciu; MDPI, https://doi.org/10.3390/math13132181
		Condrea(Cas. Opruta) Luminita-Ana	Calculus of Long Rectangular Plates Embedded in Long Borders with Uniform Vertical Load on a Line Parallel to the Long Borders, Mathematics 2025, 13(6), 993; ISSN: 2227-

			7390; Daniel Opruta, Mihai-Sorin Tripa, Luminita Codrea, Cristian Boldor, Dan Dumea, Robert Gyorbiro, Cosmin Brisc, Iulia Băraian, Petre Opritoiu, Aurel Chereches and Mihaela Suciu, MDPI, https://doi.org/10.3390/math13060993 - 18 Mar 2025
			Transfer-Matrix Method for Calculus of Long Cylinder Tube with Industrial Applications, Mathematics 2023, 11(17), 3756; ISSN: 2227-7390; Luminita Codrea, Mihai-Sorin Tripa, Daniel Opruta, Robert Gyorbiro and Mihaela Suciu, MDPI, https://doi.org/10.3390/math11173756 - 31 Aug 2023
			STUDIES ABOUT THE BENDING BEHAVIOR OF A NEW SANDWICH COMPOSITE MATERIAL WITH COREMAT HEART, ACTA TECHNICA NAPOCENSIS, Vol 66, No 2, 2023, Luminița CODREA, Mihai-Sorin TRIPA, Daniel OPRUȚA, Mihaela SUCIU, https://atna-mam.utcluj.ro/index.php/Acta/article/view/2137/16
			ABOUT EXPERIMENTAL RESEARCH OF TENSILE LOADED COMPOSITE MATERIALS USED IN AUTOMOTIVE INDUSTRY, ACTA TECHNICA NAPOCENSIS, Vol 65, No 3, 2022, Daniel OPRUȚA, Mihai TRIPA, Luminița CODREA, Dorin ROȘU, Horațiu TEODORESCU-DRĂGHICESCU, Mihaela SUCIU, https://atna-mam.utcluj.ro/index.php/Acta/article/view/1878/1499
		Dumea Dan-Marius	Applications of the Calculus by the Transfer Matrix Method for Long Rectangular Plates Under Uniform Vertical Loads, Mathematics 2025, 13(13), 2181, Cosmin-Sergiu Brisc, Mihai-Sorin Tripa, Ilie-Cristian Boldor, Dan-Marius Dumea, Robert Gyorbiro, Petre-Corneliu Opritoiu, Laurentiu Eusebiu Chifor, Ioan-Aurel Chereches, Vlad Muresan and Mihaela Suciu, MDPI, https://doi.org/10.3390/math13132181 , 3 Jul 2025

			Calculus of Long Rectangular Plates Embedded in Long Borders with Uniform Vertical Load on a Line Parallel to the Long Borders, Mathematics 2025, 13(6), 993; Daniel Opruta, Mihai-Sorin Tripa, Luminita Codrea, Cristian Boldor, Dan Dumea, Robert Gyorbiro, Cosmin Brisc, Iulia Băraian, Petre Opritoiu, Aurel Chereches and Mihaela Suciu, MDPI, https://doi.org/10.3390/math13060993 - 18 Mar 2025
		Gyorbiro Robert	Calculus of Long Rectangular Plates Embedded in Long Borders with Uniform Vertical Load on a Line Parallel to the Long Borders, Mathematics 2025, 13(6), 993; ISSN: 2227-7390; Daniel Opruta, Mihai-Sorin Tripa, Luminita Codrea, Cristian Boldor, Dan Dumea, Robert Gyorbiro, Cosmin Brisc, Iulia Băraian, Petre Opritoiu, Aurel Chereches and Mihaela Suciu, MDPI, https://doi.org/10.3390/math13060993 - 18 Mar 2025
			Transfer-Matrix Method for Calculus of Long Cylinder Tube with Industrial Applications, Mathematics 2023, 11(17), 3756; ISSN: 2227-7390; Luminita Codrea, Mihai-Sorin Tripa, Daniel Opruta, Robert Gyorbiro and Mihaela Suciu, MDPI, https://doi.org/10.3390/math11173756 - 31 Aug 2023
			Applications of the Calculus by the Transfer Matrix Method for Long Rectangular Plates Under Uniform Vertical Loads; Mathematics 2025, 13(13), 2181; ISSN: 2227-7390; Cosmin-Sergiu Brisc, Mihai-Sorin Tripa, Ilie-Cristian Boldor, Dan-Marius Dumea, Robert Gyorbiro, Petre-Corneliu Opritoiu, Laurentiu Eusebiu Chifor, Ioan-Aurel Chereches, Vlad Muresan and Mihaela Suciu, MDPI, https://doi.org/10.3390/math13132181 - 3 July 2025
		Nedelcu Nicolae	Calculus Through Transfer-Matrix Method of Continuous Circular Plates for Applications to Chemical Reactors, Mathematics 2025, 13(17), 2708; Laurentiu-Eusebiu Chifor, Mihai-Sorin Tripa, Ilie-Cristian Boldor, Cosmin-Sergiu Brisc,

			Nicolae Nedelcu, Andrei-Călin Szîrbe, Liviu Bolundut , Carmen-Gabriela Băcilă, Veronica Mîndrescu, Ioan-Aurel Chereches, Vlad Muresan and Viorica-Mihaela Suciu, MDPI, https://doi.org/10.3390/math13172708
		Oltean (cas. Cojocariu-Oltean) Otilia	About Calculus Through the Transfer Matrix Method of a Beam with Intermediate Support with Applications in Dental Restorations, Mathematics 2024, 12(23), 3861; ISSN: 2227-7390; Otilia Cojocariu-Oltean, Mihai-Sorin Tripa, Iulia Băraian, Doina-Iulia Rotaru and Mihaela Suciu, MDPI, https://doi.org/10.3390/math12233861
			CALCULUS OF A MONOBLOC DENTAL BRIDGE WITH TWO POLES AND TWO MISSING TEETH AS A BEAM, BY TRANSFER-MATRIX METHOD, ACTA TECHNICA NAPOCENSIS, Vol 67, No 2, 2024, Otilia COJOCARIU-OLTEAN, Mihai-Sorin TRIPA, Iulia BARAIAN, Doina Iulia ROTARU, Mihaela SUCIU , UT Press, https://atna-mam.utcluj.ro/index.php/Acta/article/view/2485/1943
		Opruta Daniel	Calculus of Long Rectangular Plates Embedded in Long Borders with Uniform Vertical Load on a Line Parallel to the Long Borders, Mathematics 2025, 13(6), 993; ISSN: 2227-7390; Daniel Opruta, Mihai-Sorin Tripa, Luminita Codrea, Cristian Boldor, Dan Dumea, Robert Gyorbiro, Cosmin Brisc, Iulia Băraian, Petre Opritoiu, Aurel Chereches and Mihaela Suciu, MDPI, https://doi.org/10.3390/math13060993 - 18 Mar 2025 Transfer-Matrix Method for Calculus of Long Cylinder Tube with Industrial Applications, Mathematics 2023, 11(17), 3756; ISSN: 2227-7390; Luminita Codrea, Mihai-Sorin Tripa, Daniel Opruta, Robert Gyorbiro and Mihaela Suciu, MDPI, https://doi.org/10.3390/math11173756 - 31 Aug 2023 ISI - STUDIES ABOUT THE BENDING BEHAVIOR OF A NEW SANDWICH COMPOSITE MATERIAL WITH COREMAT HEART, ACTA TECHNICA NAPOCENSIS, Vol 66, No 2,

			2023, Luminița CODREA, Mihai-Sorin TRIPA, Daniel OPRUȚA, Mihaela SUCIU, https://atna-mam.utcluj.ro/index.php/Acta/article/view/2137/1689
			ABOUT EXPERIMENTAL RESEARCH OF TENSILE LOADED COMPOSITE MATERIALS USED IN AUTOMOTIVE INDUSTRY, ACTA TECHNICA NAPOCENSIS, Vol 65, No 3, 2022, Daniel OPRUȚA, Mihai TRIPA, Luminița CODREA, Dorin ROȘU, Horațiu TEODORESCU-DRĂGHICESCU, Mihaela SUCIU, https://atna-mam.utcluj.ro/index.php/Acta/article/view/1878/1499
17	FILIP Nicolae	Gheorghe Carmen	Gheorghe C., Filip N., Image processing technique used in road traffic analysis – opportunities and challenges, Acta Technica Napocensis, Series: Applied mathematics, mechanics and engineering, Vol 64, Issue Special II, Pp. 345-350, 2021, ISSN1221-5872, https://atna-mam.utcluj.ro/index.php/Acta/article/view/1532
		Golgot Claudiu Ionel	Golgot, C., Filip, N., & Candale, L. (2021). Estimation of the acoustic waste energy harvested from diesel single cylinder engine exhaust system. In <i>Proceedings of the 7th International Conference on Vehicle Technology and Intelligent Transport Systems (VEHITS 2021)</i> (pp. 247–256). SCITEPRESS. https://doi.org/10.5220/0010526602470256
18	NEGREAN Iuliu	Mare Iulia Cristina	Mare, I. C., Negrean, I., „Advanced Geometrical Modeling of a 2RTR Serial Robot” Acta Technica Napocensis, Series: Applied Mathematics, Mechanics, and Engineering Vol. 66, Nr. 3, pp. 413-420, 2023, Cluj-Napoca, Romania, ISSN 1221 – 5872, https://atna-mam.utcluj.ro/index.php/Acta/article/view/2192
			Mare, I. C., Negrean, I., „Advanced Kinematics Modeling of a 2RTR Serial Robot” Acta Technica Napocensis, Series: Applied Mathematics, Mechanics, and Engineering Vol. 67, Nr. 2, pp.

			343-354, 2024, Cluj-Napoca, Romania, ISSN 1221 – 5872
			Mare, I. C., Negrean, I., Vlase, S., Modrea A., „Gibbs-Appell Equations used in Finite Element Analysys of Elastic Materials with Voids having a Plane Motion”, Romanian Journal of Acoustics and Vibration, vol: 21, issue 1/2024, ISSN 158-7284, pp. 83-90, https://rjav.sra.ro/index.php/rjav/article/view/452
			Mare, I. C., Negrean, I., Crişan A., „Polinomial Functions in Robot Dynamics”, Romanian Journal of Acoustics and Vibration, vol: 21, issue 1/2024, ISSN 158-7284, pp. 91-102, https://rjav.sra.ro/index.php/rjav/article/view/453/182
		Rus Marinel Ionel	M. Rus, I. Negrean şi I. Someşan, „The geometric equations of two robots of the type 3TR-2R in cooperation movements,” Acta Technica Napocensis, Series: Applied Mathematics, Mechanics and Engineering, vol. 64, nr. 2, pp. 333-340, 2021. ISSN 1221 – 5872, https://atna-mam.utcluj.ro/index.php/Acta/article/view/1606/1307
			M. Rus, I. Negrean şi I. Someşan, „The kinematic equations of two robots of the type 3TR-2R in cooperation movements,” Acta Technica Napocensis, Series: Applied Mathematics, Mechanics and Engineering, vol. 65, nr. 4, p. 521530, 2022. ISSN 1221 – 5872, https://atna-mam.utcluj.ro/index.php/Acta/article/view/2010/1595
			I. Someşan, I. Negrean şi M. I. Rus, „Mathematical modeling of a 3R robot structure in the nominal configuration,” Acta Technica Napocensis, Series: Applied Mathematics, Mechanics, and Engineering, vol. 64, nr. 2, pp. 341-346, 2021. ISSN 1221 – 5872, https://atna-mam.utcluj.ro/index.php/Acta/article/view/1607/1308
			I. Someşan, I. Negrean şi M. Rus, „The kinematic model of 3R robot based on function exponentials,” Acta Technica Napocensis: Applied

			Mathematics, Mechanics, and Engineering, vol. 65, nr. 4, pp. 505-512, 2022. ISSN 1221 – 5872, https://atna-mam.utcluj.ro/index.php/Acta/article/view/2008/1593
		Toma Dan Nicolae	Dan-Nicolae TOMA, Dorin CAPĂȚĂ, Nicolae FILIP, ANALYSIS REGARDING THE IMPACT OF BUILDING UP MOTOR HIGHWAYS ON ROAD SAFETY IN ALBA COUNTY, Ingineria automobilului, nr 65/ decembrie 2022, ISSN 1842 – 4074
			Dan-Nicolae TOMA, Nicolae FILIP, Nicolae BURNETE, STUDIES AND RESEARCH ABOUT OPPORTUNITIES TO IMPROVE THE ROAD TRAFFIC SYSTEMS THROUGH TRAFFIC MONITORING, Ingineria automobilului, nr 65/ decembrie 2022, ISSN 1842 – 4074

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