

Fișa de verificare a standardelor naționale, în conformitate cu:

Ordin MENCs nr. 6.129/ 20.12.2016

Anexa nr. 17- COMISIA INGINERIE MECANICA, MECATRONICA SI ROBOTICA

**STANDARDE MINIMALE NECESARE SI OBLIGATORII PENTRU CONFERIREA TITLURILOR DIDACTICE
DIN INVATAMANTUL SUPERIOR SI A GRADELOR PROFESIONALE DE CERCETARE- DEZVOLTARE**

Nr	Domeniul activităților	Rezultatele activităților	Subcategoriile			Indicatori	Indicatori realizați
1	Activitatea didactică și profesională - DID (A1)	Manuale suport de curs (conform fișei disciplinei de concurs)	A1.1	Format tipărit/ electronic [1] (min. 100 pag.)	Coordonator/	N1.1 = număr	2
					Co-autor	N1.2 = număr	0
				Format electronic disponibil pe platforma universității / departamentului (autor)		N1.3 = număr	3
		Material didactic/ Dezvoltare laboratoare, aplicații	A1.2	Standuri laborator (construcție/ modernizări) certificate de directorul de departament		N2.1 = număr	7
				Îndrumar laborator/carte aplicații format tipărit sau electronic (autor, co-autor)		N2.2 = număr	1
		Aplicație informatică educațională		N2.3 = număr	0		
2	Activitatea de cercetare științifică, dezvoltare tehnologică și inovare - CDI (A2)	Articole și publicații științifice indexate Web of Science Thomson Reuters (WOS) [2], unde n = nr. de autori și FI este factorul de impact [3]	A2.1	Autor corespondent / prim autor	n≤3	P1.1 = 2*(0,2+FI)	9,6
					n≥4	P1.2 = 2*3*(0,2+FI)/n	
			Co-autor	n≤3	P1.3 = 0,2+FI	17,314	
				n≥4	P1.4 = 3*(0,2+FI)/n		
		Articole și publicații științifice BDI [4] neincluse la A2.1	A2.2	Autor corespondent / prim autor		N3.1 = număr	12
				Co-autor		N3.2 = număr	13
		Brevete de invenții indexate [5]	A2.3	Internaționale indexate în Web of Science - Derwent Innovation		P2.1 = același calcul cu A2.1 și FI = 2	0
				Naționale indexate OSIM		P2.2 = același calcul cu A2.1 și FI = 0,5	0
		Produse, tehnologii, platforme și servicii inovative (validate conform procedurilor specifice unităților de învățământ superior sau de cercetare)	A2.4	Coordonator/ prim autor		N4.1 = număr	0
				Co-autor		N4.2 = număr	0
		Monografii/ cărți de specialitate [2], format tipărit/ electronic (min. 100 pag.)	A2.5	Coordonator / prim autor		N4.3 = număr	2
				Co-autor		N4.4 = număr	0
3	Recunoașterea și impactul activității-RIA (A3)	Atragere resurse financiare prin granturi/ proiecte/ contracte terți	A3.1	Director sau responsabil partener la grant/ proiect câștigat prin competiție națională sau internațională		S1 [6] = sumă echivalentă în mii Euro [9]	82,559
				Membru în echipă la grant/ proiect câștigat prin competiție națională sau internațională, proiecte/ contracte terți		S2 [7] = sumă echivalentă în mii EURO [8]	27,667
		Prezentarea/ Diseminarea rezultatelor: prezență la manifestări științifice în calitate de autor/ co-autor de lucrări, profesor invitat	A3.2	Congrese/ conferințe/ workshopuri internaționale, profesor invitat la universități/ institute din străinătate		N5 = număr	16
		Citări în publicații BDI [5] (se exclud autocitățile)	A3.3	C1 = numărul de citări S _{FI} = suma factorilor de impact al publicațiilor WOS în care apar citările		C= C1+ S _{FI}	1638,715
		TOTAL					

[1] Publicația este înregistrată în fondul de carte al bibliotecii naționale sau al bibliotecilor universităților respective.

[2] Se exclud publicațiile conferințelor DAAAM și WSEAS.

[3] FI este factorul de impact al revistei la data înscrierii la concurs sau la data publicării articolului (cel mai avantajos pentru candidat). Se iau în considerare la această categorie numai revistele cu factor de impact la data publicării articolului. O revistă WOS este echivalentă cu o revistă cotate ISI cf. Ordinului de Ministru (MECTS) Nr. 4478 din 23 iunie 2011, publicat în Monitorul Oficial, Partea I, Nr. 448/27.VI.2011.

[4] Bazele de date BDI acceptate sunt: Web of Science Thomson Reuters (WOS) și SCOPUS

[5] Un brevet se poate încadra la o singură categorie.

[6] Suma din grant/proiect încasată de instituție repartizată echipei din care directorul de grant/responsabil partener face parte (S1 include cheltuieli de: personal, logistică, deplasări, indirecte).

[7] Suma din grant/proiect câștigat prin concurs național/internațional și proiecte/contracte terți încasată de instituție și repartizată de director/responsabil persoanei respective (S2 include cheltuieli de: personal, logistică, deplasări, indirecte).

[8] Pentru contractele derulate înainte de 01.01.1999 se va considera echivalarea: 1 EURO = 1 \$ USA.

Gradul de îndeplinire a condițiilor minime și obligatorii

Condiții minime și obligatorii					Punctaj realizat
Domeniul de activitate		Indicatori	Conferențiar	Profesor	
Activitatea didactică/ profesională (A1)	A1.1	N1	2	2	2
		N1.1	-	1	2
		N1.3	1	1	3
	A1.2	N2	3	4	8
		N2.1	1	2	7
Activitatea de cercetare (A2)	A2.1 + A2.3	P1+P2	5	10	26,91
		P1	3	6	26,91
	A2.2	N3	8	10	25
		N3.1	3	5	12
	A2.4 + A2.5	N4	1	2	2
		N4.3	0	1	2
Recunoașterea impactului activității (A3)	A3.1	S1 + S2	10	50	110,226
	A3.2	N5	5	10	16
	A3.3	C	10	25	1638,715

Total: 1881,77

unde:

$P1 = P1.1 + P1.2 + P1.3 + P1.4$

$P2 = P2.1 + P2.2$

$N1 = N1.1 + N1.2$

$N2 = N2.1 + N2.2 + N2.3$

$N3 = N3.1 + N3.2$

$N4 = N4.1 + N4.2 + N4.3 + N4.4$

Subcategoria A1.1: Manuale suport de curs (conform fișei disciplinei de concurs)

N1.1 Manuale suport de curs (conform fișei disciplinei de concurs), format tipărit/ electronic [1] (min. 100 pag.) în calitate de coordonator/ prim autor		Punctaj
1	Călin-Octavian Micloșină: "Bazele proiectării asistate de calculator", Ed. Eftimie Murgu, Reșița, ISBN 978-606-631-066-6, 102 pag., 2018. Link către Biblioteca Centrului Universitar al UBB din Reșița: http://koha.uem.ro:81/cgi-bin/koha/opac-detail.pl?biblionumber=8836 pdf Link către Biblioteca Națională a României: https://aleph.bibnat.ro/F/C8CIBHFC6QYR89IBV1UD257V7RS42DMEH7DHFDRR15B92ICDGG-16363?func=full-set-set&set_number=041321&set_entry=000004&format=999 pdf	1
2	Călin-Octavian Micloșină: "Accionări hidraulice și pneumatice", Ed. Banatul Montan, Reșița, ISBN 978-606-9656-20-4, 142 pag., 2022. Link către Biblioteca Centrului Universitar al UBB din Reșița: http://koha.uem.ro:81/cgi-bin/koha/opac-detail.pl?biblionumber=9179 pdf Link către Biblioteca Națională a României: https://aleph.bibnat.ro/F/C8CIBHFC6QYR89IBV1UD257V7RS42DMEH7DHFDRR15B92ICDGG-16543?func=full-set-set&set_number=041321&set_entry=000003&format=999 pdf	1
Total punctaj indicator N1.1		2

N1.2 Manuale suport de curs (conform fișei disciplinei de concurs), format tipărit/ electronic [1] (min. 100 pag.) în calitate de co-autor		Punctaj
1		
2		
Total punctaj indicator N1.2		0

N1.3 Manuale suport de curs (conform fișei disciplinei de concurs,) format electronic disponibil pe platforma universității/ departamentului (autor)		Punctaj
1	Călin-Octavian Micloșină: "Roboți industriali", suport de curs, format electronic, disponibil pe platforma Teams, reviz. 2026. https://ubbcluj.sharepoint.com/:f:/s/RoboticRoboticIndustrialRoboiIndustriali-INFINDIVEMIVIAIEIVI/IgCCfx1qbHfzQri5r_MmJHNhAbftQaMLSkkQJ6R_v6TOqQI?e=jDi5a4	1
2	Călin-Octavian Micloșină: "Proiectarea digitală a componentelor industriale", suport de curs, format electronic, disponibil pe platforma Teams, reviz. 2026. https://ubbcluj.sharepoint.com/:f:/s/ProiectareaDigitalaComponentelorIndustriale-CTSMICTSMDualI20/IgAejIuJU3XsQJ0svm1vuiEMAWGpH80Mg-YfLXWW2iRx0U?e=fhvFIC	1
3	Călin-Octavian Micloșină: "Computer Aided Technology Design", suport de curs, format electronic, disponibil pe platforma Teams, 2026. https://ubbcluj.sharepoint.com/:f:/s/ComputerAidedTechnologyDesign-PDEI2025-2026/IgBHx5RP8-AoRbRZO-Dq41obAWKzkAKBvCo8uOtGXH18-1Q?e=y8ygfM	1
Total punctaj indicator N1.3		3

[1] Publicația este înregistrată în fondul de carte al bibliotecii naționale sau al bibliotecilor universităților respective

Subcategoria A1.2: Material didactic/ Dezvoltare laboratoare, aplicații

N2.1 Standuri laborator (construcție/ modernizări) certificate de directorul de departament			Punctaj
1	Stand robot cu topologie paralelă	Adeverință nr. 15/05.03.2026	1
2	Stand pentru determinarea experimentală a forței de prehensiune a unui dispozitiv de prehensiune cu 2 degete paralele;		1
3	Stand pentru determinarea experimentală a forței de prehensiune a unui dispozitiv de prehensiune cu 3-6 degete		1
4	Stand pentru determinarea preciziei de poziționare a unui modul robotic de rotație		1
5	Stand pentru conducerea unui modul de translație al unui robot industrial		1
6	Stand pentru manipularea robotizată a obiectelor de lucru		1
7	Stand pentru determinarea experimentală a forței dezvoltate de un motor hidraulic liniar		1
Total punctaj indicator N2.1			7

N2.2 Îndrumar laborator/carte aplicații format tipărit sau electronic (autor, co-autor)			Punctaj
1	Micloșină Călin-Octavian : „ Roboți industriali ”, îndrumător de laborator, Tipografia Universității Eftimie Murgu din Reșița, 92 pag, 2013. <i>Link către Biblioteca Centrului Universitar al UBB din Reșița:</i> http://koha.ueu.ro:81/cgi-bin/koha/opac-detail.pl?biblionumber=7705 <u>pdf</u>	1	
Total punctaj indicator N2.2			1

N2.3 Aplicație informatică educațională			Punctaj
1			
2			
Total punctaj indicator N2.3			0

Subcategoriile:**A2.1: Articole și publicații științifice indexate Web of Science Thomson Reuters (WOS)****[2], unde n = nr. de autori și FI este factorul de impact [3]**

Autor corespondent/ prim autor

Nr. crt.	Articol/ publicație științifică	Nr. autori n	Factor de impact FI	FI la data	Punctaj P1.1/ P1.2
1	Miclosina C.-O. , Belu-Nica R., Ciubotariu C.R. *, Marginean G.: „Processing and Evaluation of an Aluminum Matrix Composite Material”, Journal of Composites Science (Special Issue Metal Composites, Volume II), 9(7), 335, 2025, Q2 https://doi.org/10.3390/jcs9070335 WOS:001535416800001	3	4,6	Data raportării (2026)	9,6
Total punctaj indicatori P1.1 + P1.2					9,600

Co-autor

Nr. crt.	Articol/ publicație științifică	Nr. autori n	Factor de impact FI	FI la data	Punctaj P1.3/ P1.4
2	Korka Z.I., Cojocaru V., Gillich N., Miclosina C.O.: "Comparative assessment of noise reduction in helical gearboxes", Journal of Vibration Engineering & Technologies, Vol.5, Issue 3, pp. 263-268, 2017 WOS:000404371400008	4	0,615	Data publicării	0,611
3	Budai A.-M., Câmpian C.V., Frunzăverde D., Micloșină C., Pepa D.: „Lifetime Estimations of the Operating Mechanism of Kaplan Turbine Runner Blades”, Tehnicki Vjesnik - Technical Gazette, Volume 24, Supplement 2, 2017; WOS:000412257500006	5	1,3	Data raportării (2026)	0,900
4	Cojocaru V., Frunzaverde D., Nedelcu D., Miclosina C.-O., Marginean G.: „Study Regarding the Influence of the Printing Orientation Angle on the Mechanical Behavior of Parts Manufactured by Material Jetting”, Materiale Plastice, Q4, Vol. 58, Issue 3, 2021, pp. 198-209; WOS:000705010100007	5	0,8	Data raportării (2026)	0,600

5	Cojocaru V., Frunzaverde D., Miclosina C.-O., Marginean G.: „The Influence of the Process Parameters on the Mechanical Properties of PLA Specimens Produced by Fused Filament Fabrication—A Review”, Polymers, Q1, 2022, 14(5), 886 WOS:000769207600001	4	5,8	Data raportării (2026)	4,500
6	Frunzaverde D., Cojocaru V., Ciubotariu C.-R., Miclosina C.-O., Ardeljan D.D., Ignat E.F., Marginean G.: „The Influence of the Printing Temperature and the Filament Color on the Dimensional Accuracy, Tensile Strength, and Friction Performance of FFF-Printed PLA Specimens”, Polymers, 2022, 14(10), 1978, Q1, FI = 4,329, WOS:000803215300001	7	5,8	Data raportării (2026)	2,571
7	Cojocaru V., Frunzăverde D.*, Miclosina C.-O.: “On the Behavior of Honeycomb, Grid and Triangular PLA Structures under Symmetric and Asymmetric Bending”, Micromachines, 14(1), article no. 120, Q2, 2022; https://doi.org/10.3390/mi14010120 WOS:000927276600001	3	3,5	Data raportării (2026)	3,700
8	Frunzaverde D., Cojocaru V., Bacescu N., Ciubotariu C.R., Miclosina C.-O., Turiac R.R., Marginean G.: „The Influence of the Layer Height and the Filament Color on the Dimensional Accuracy and the Tensile Strength of FDM-Printed PLA Specimens”, Polymers, 2023, 15(10), 2377, Q1, published 19.05.2023, indexed 12.06.2023; https://doi.org/10.3390/polym15102377 WOS:000997089300001	7	5,8	Data raportării (2026)	2,571

9	Timofte S., Miclosina C.-O., Cojocaru V., Geroes A., Korka Z.-I.: „Inertial Propulsion of a Mobile Platform Driven by Two Eccentric Bodies”, Applied Sciences-Basel, 13(17), article no. 9511, Q2, published sep. 2023, indexed 22.09.2023; https://doi.org/10.3390/app13179511 WOS:001063642600001	5	2,9	Data raportării (2026)	1,860
Total punctaj indicatori P1.3 + P1.4					17,314

A2.3: Brevete de invenții indexate [5]

Brevete de invenții internaționale indexate în Web of Science - Derwent Innovation

Nr. crt.	Brevet de invenție	Nr. autori n	Factor de impact FI	Punctaj P2.1
1				
2				
Total punctaj indicator P2.1				0

Brevete de invenții naționale indexate OSIM

Nr. crt.	Brevet de invenție	Nr. autori n	Factor de impact FI	Punctaj P2.2
1				
2				
Total punctaj indicator P2.2				0

[2] Se exclud publicațiile conferințelor DAAAM și WSEAS.

[3] FI este factorul de impact al revistei la data înscrierii la concurs sau la data publicării articolului (cel mai avantajos pentru candidat). Se iau în considerare la această categorie numai revistele cu factor de impact la data publicării articolului. O revistă WOS este echivalentă cu o revistă cotate ISI cf. Ordinului de Ministru (MECTS)

Nr. 4478 din 23 iunie 2011, publicat în Monitorul Oficial, Partea I, Nr. 448/27.VI.2011.

[5] Un brevet se poate încadra la o singură categorie.

Subcategoria A2.2: Articole și publicații științifice indexate BDI [4] neincluse la A2.1

N3.1 Autor corespondent/ prim autor		BDI	Punctaj
1	Micloșină, C.; Vela, I.; Gillich, G.R.; Amariei, D.; Vela, D.: „On the Use of Robotic Grippers with Shape Memory Alloy Actuators in Handling Light-Weight Workpieces”, Annals of DAAAM for 2007 & Proceedings of the 18th International DAAAM Symposium "Intelligent Manufacturing & Automation: Focus on Creativity, Responsibility, and Ethics of Engineers", ISBN 3-901509-58-5, ISSN 1726-9679, Editor B. Katalinic, Published by DAAAM International, Vienna, Austria; University of Zadar, Zadar, Croatia, 24-27th October, 2007, pp. 451-452; WOS:000252067400226	WOS, SCOPUS	1
2	Micloșină, C.-O.: “Six Inextensible Wire Device for Determination of Position-Oriented Matrix of a Robot's Mobile Reference System”, Annals of DAAAM for 2009 & Proceedings of the 20th International DAAAM Symposium, ISBN 978-3-901509-70-4, ISSN 1726-9679, pp. 421-422, Editor Branko Katalinic, Published by DAAAM International, Vienna, Austria 2009; WOS:000282335600421	WOS, SCOPUS	1
3	Micloșină C.-O., Câmpian C.V., Frunzăverde D., Cojocaru V.: „Analysis of an Outer Bearing Bush of a Hydropower Plant Kaplan Turbine Using Finite Element Method”, Recent Researches in Environment, Energy Planning & Pollution, Proceedings of the 5th WSEAS International Conference on Renewable Energy Sources (RES '11), Iasi, Romania, July 1-3, 2011, ISBN 978-1-61804-012-1, pp. 221-224	SCOPUS	1
4	Micloșină C.-O., Câmpian C.V., Frunzăverde D.: „Finite Element Analysis of an Outer Bearing Bush of a Kaplan Turbine”, Annals of DAAAM for 2011 & Proceedings of the 22nd International DAAAM Symposium "Intelligent Manufacturing & Automation: Power of Knowledge and Creativity", ISBN 978-3-901509-83-4, ISSN 1726-9679, Published by DAAAM International, Vienna, Austria, 2011, pp. 169-170	SCOPUS	1
5	Micloșină C.-O., Câmpian C.V.: „Fatigue Analysis of Low Level Links of a Parallel Topology Robot Guiding Device Mechanism”, The Joint International Conference of the XI International Conference on Mechanisms and Mechanical Transmissions (MTM) and the International Conference on Robotics (Robotics 2012), June 6-8, 2012, Clermont-Ferrand, France, published in Applied Mechanics and Materials, Vol. 162, Mechanisms, Mechanical Transmissions and Robotics, 2012, pp. 98-105, Trans Tech Publications, Switzerland WOS:000309782300012	WOS, SCOPUS	1
6	Micloșină C.-O., Balint D.I., Câmpian C.V., Frunzăverde D., Ion I.: “A Method to Combine Hydrodynamics and Constructive Design in the Optimization of the Runner Blades of Kaplan Turbines”, 24th IAHR Symposium on Hydraulic Machinery and Systems, Tsinghua University, Beijing, China, 19-23 August 2012, published in IOP Conference Series: Earth and Environmental Science, Volume 15, Part 3. WOS:000324782300045	WOS, SCOPUS	1
7	Micloșină C.-O., Cojocaru V., Korka Z.-I.: “Analysis of a 6-DOF Parallel Robot Motion Simulation”, International Conference on Applied Sciences, 9-11 May 2019, Hunedoara, Romania, published in Journal of Physics: Conference Series, 1426, 012003, 2020; WOS:000649150700003	WOS, SCOPUS	1
8	Micloșină C.-O., Hălălae I.: “Aspects of Using a Numerical Simulator for a Robot Position-Oriented Matrix Determination”, International Conference on Applied Sciences, 9-11 May 2019, Hunedoara, Romania, published in Journal of Physics: Conference Series, 1426, 012044, 2020; WOS:000649150700044	WOS, SCOPUS	1
9	Micloșină C.-O., Korka Z.-I., Cojocaru V.: „Evaluation by Simulation of Reaction Forces that Occur in Spherical Joints of Parallel Topology Robots”, Joint International Conference of the International Conference on Mechanisms and Mechanical Transmissions and the International Conference on Robotics – MTM & Robotics 2020, Timișoara, Romania, published in Mechanisms and Machine Science book series, Volume 88, New Advances in Mechanisms, Mechanical Transmissions and Robotics, Springer, 2021, pp. 226-234;	SCOPUS	1

10	Miclosina C.-O. , Cojocaru V.*, Korka Z.-I.: “Evaluation by Numerical Simulation of Friction Forces in Spherical Joints of a 6-DOF Parallel Topology Robot”, 13th IFToMM International Symposium on Science of Mechanisms and Machines & XXV International Conference on Robotics, November 17 - 18, 2022, Iasi, Romania, published in Proceedings of SYROM 2022 & ROBOTICS 2022, Mechanisms and Machine Science Series, Volume 127, Springer Nature Switzerland AG, 2023, pp. 147-155.	SCOPUS	1
11	Spunei E., Liuba G., Miclosina C.-O.* (corresponding author): „Study Regarding the Level of a Hydrogenerator Partial Discharges”, 2023 International Conference on Electromechanical and Energy Systems (SIELMEN), 11-13 October 2023, Craiova, Romania, https://doi.org/10.1109/SIELMEN59038.2023.10290805	SCOPUS	1
12	Cojocaru V., Korka Z.-I., Miclosina C.-O.* : “Study of the Dynamic Behavior of Gears with Lattice Structure Body”, Proceedings of the 3rd International Conference on Mechanical System Dynamics, Volume 5, (ICMSD 2025), Lecture Notes in Mechanical Engineering, 2026, pp 372-386 https://doi.org/10.1007/978-981-95-7109-3_27	SCOPUS	1
Total punctaj indicator N3.1			12

N3.2 Articole și publicații în calitate de co-autor		BDI	Punctaj
1	Vela D.G., Madaras L, Micloșină C.-O. , Vela I.: “Calculation of Forces and Reactions from Kinematical Joints of Double Harmonic Transmission with Wave Generator Dephased with $\pi/2$ Used in Industrial Robots Structure”, Proceedings of 2010 International Conference on Robotics ROBOTICS 2010, 23-25 September 2010, Cluj-Napoca, Romania, Solid State Phenomena – Robotics and Automation Systems, Vols. 166-167, pag. 451-456, Trans Tech Publications, Switzerland WOS:000289532000071	WOS, SCOPUS	1
2	Amariei D., Micloșină C.O. , Vela I., Tufoi M., Mitulețu C.: “Contributions to Design of Systems Actuated by Shape Memory Active Elements”, International Conference on Control, Automation and Systems Engineering, 24-26 November, Venice, Italy, published in World Academy of Science, Engineering and Technology, Year 6, Issue 71, November 2010	SCOPUS	1
3	Vela D.G., Micloșină C.-O. , Tufoi M., Tuță I.A.: “Length Determination of Flexible Toothed Wheel of a Double Harmonic Drive, Depending On the Deformation Elastic Force”, Latest Trends on Engineering Mechanics, Structures, Engineering Geology, Proceedings of 3rd WSEAS International Conference on Engineering Mechanics, Structures, Engineering Geology (EMESEG '10), 22-24 July 2010, Corfu Island, Greece, ISSN 1792-4294, ISBN 978-960-474-203-5, Editors Olga Martin and Xiaojing Zheng, WSEAS Press, pag. 474-477; WOS:000288686900085	WOS, SCOPUS	1
4	Amariei D., Micloșină C. , Vela I., Mitulețu C., Vela D.: “Researches about Parameters Stabilization for Long-Time Functionality of Shape Memory Alloy Active Elements”, Latest Trends on Engineering Mechanics, Structures, Engineering Geology, Proceedings of 3rd WSEAS International Conference on Engineering Mechanics, Structures, Engineering Geology (EMESEG '10), 22-24 July 2010, Corfu Island, Greece, ISSN 1792-4294, ISBN 978-960-474-203-5, Editors Olga Martin and Xiaojing Zheng, WSEAS Press, pag. 487-491; WOS:000288686900088	WOS, SCOPUS	1
5	Cojocaru V., Câmpian C.V., Frunzăverde D., Micloșină C.-O. : „Residual Stresses Analysis of Weld Overlays Coatings Used for the Repairs at Kaplan Turbine Runner Blades Areas Damaged by Cavitation Erosion”, Recent Researches in Environment, Energy Planning & Pollution, Proceedings of the 5th WSEAS International Conference on Renewable Energy Sources (RES '11), Iasi, Romania, July 1-3, 2011, ISBN 978-1-61804-012-1, pp. 225-228	SCOPUS	1
6	Vela I., Vela D.G., Bizău V., Micloșină C.-O. , Amariei D.: “Design of a Driving Kinematical Joint Actuated with Intelligent Materials used in Structure of Industrial Robots”, The Joint International Conference of the XI International Conference on Mechanisms and Mechanical Transmissions (MTM) and the International Conference on Robotics (Robotics 2012), June 6-8, 2012, Clermont-Ferrand, France, published in Applied Mechanics and Materials, Vol. 162, Mechanisms, Mechanical Transmissions and Robotics, 2012, pp. 106-111, Trans Tech Publications, Switzerland WOS:000309782300013	WOS, SCOPUS	1

7	Cojocaru V., Korka Z.-I., Micloșină C.-O. : „Stress Analysis and Optimal Design of the Housing of a Two-Stage Gear Reducer”, 6th International Conference on Advanced Concepts in Mechanical Engineering (ACME 2014), June 12-13, 2014, Iasi, Romania, published in Applied Mechanics and Materials, vol. 658, Advanced Concepts in Mechanical Engineering I, pp. 183-188;	SCOPUS	1
8	Cojocaru V., Micloșină C.-O. , Korka Z.-I.: „Fatigue Analysis of Large Diameter Threaded Connections Subjected to Dynamic Axial Loads”, 6th International Conference on Advanced Concepts in Mechanical Engineering (ACME 2014), June 12-13, 2014, Iasi, Romania, published in Applied Mechanics and Materials, vol. 658, Advanced Concepts in Mechanical Engineering I, pp. 177-182;	SCOPUS	1
9	Korka Z.-I., Micloșină C.-O. , Cojocaru V.: „Some Aspects Regarding the Mathematical Modeling and Dynamic Simulation of a Single Stage Helical Gearbox”, 6th International Conference on Advanced Concepts in Mechanical Engineering (ACME 2014), June 12-13, 2014, Iasi, Romania, published in Applied Mechanics and Materials, vol. 658, Advanced Concepts in Mechanical Engineering I, pp. 89-94;	SCOPUS	1
10	Korka Z.-I., Cojocaru V., Micloșină C.-O. : „Simulation of the Tooth Helix Angle Influence on the Vibration of a Single Stage Helical Gearbox”, 6th International Conference on Advanced Concepts in Mechanical Engineering (ACME 2014), June 12-13, 2014, Iasi, Romania, published in Applied Mechanics and Materials, vol. 658, Advanced Concepts in Mechanical Engineering I, pp. 83-88;	SCOPUS	1
11	Korka Z.-I., Cojocaru V., Micloșină C.-O. : “Shape Improvement of a Gearbox Housing Using Modal Analysis”, Romanian Journal of Acoustics and Vibration, Volume 5, Issue 3, FI = 0, 2018; WOS:000444766100008	WOS, SCOPUS	1
12	Korka Z.-I., Cojocaru V., Gillich N., Micloșină C.-O. : “Modal - Based Design Optimization of a Gearbox Housing”, Romanian Journal of Acoustics and Vibration, Vol. 16, No. 1, 2019, pp. 58-65 WOS:000502625500008	WOS, SCOPUS	1
13	Geroacs A., Korka Z., Cojocaru V., Miclosina C.-O. : „Modal Analysis of a Gearbox Housing in Order to Avoid Resonance Frequencies”, Acoustics and Vibration of Mechanical Structures - AVMS 2019, Proceedings of the 15th AVMS, Timisoara, Romania, May 30–31, 2019, published in Springer Proceedings in Physics, Volume 251, 2021.	SCOPUS	1
Total punctaj indicator N3.2			13

[4] Bazele de date BDI acceptate sunt: Web of Science Thomson Reuters (WOS) și SCOPUS

Subcategoriile:**A2.4: Produse, tehnologii, platforme și servicii inovative (validate conform procedurilor specifice unităților de învățământ superior sau de cercetare)**

N4.1 Produse, tehnologii, platforme și servicii inovative în calitate de coordonator/ prim autor		Punctaj
1		
2		
Total punctaj indicator N4.1		0

N4.2 Produse, tehnologii, platforme și servicii inovative în calitate de co-autor		Punctaj
1		
2		
Total punctaj indicator N4.2		0

A2.5: Monografii/ cărți de specialitate [2], format tipărit/ electronic (min 100 pag.)

N4.3 Monografii/ cărți de specialitate, format tipărit/ electronic în calitate de coordonator/ prim autor		Punctaj
1	Călin-Octavian Micloșină : „ Roboți industriali și linii flexibile ”, Ed. Eftimie Murgu, Reșița, ISBN 978-973-1906-61-4, 171 pag, 2009. <i>Link către Biblioteca Centrului Universitar al UBB din Reșița:</i> http://koha.uem.ro:81/cgi-bin/koha/opac-detail.pl?biblionumber=4752 pdf	1
	<i>Link către Biblioteca Națională a României:</i> https://aleph.bibnat.ro/F/C8CIBHFC6QYR89IBV1UD257V7RS42DMEH7DHFDRR15B92ICDGG-17616?func=full-set-set&set_number=041334&set_entry=000008&format=999 pdf	
2	Călin-Octavian Micloșină: „ Roboți cu topologie paralelă ”, Ed. Presa Universitară Clujeană, Cluj-Napoca, ISBN 978-606-37-2301-8, 154 pag., 2024. <i>Link către Biblioteca Centrului Universitar al UBB din Reșița:</i> http://koha.uem.ro:81/cgi-bin/koha/opac-detail.pl?biblionumber=9200 pdf	1
	<i>Link către Biblioteca Națională a României:</i> https://aleph.bibnat.ro/F/C8CIBHFC6QYR89IBV1UD257V7RS42DMEH7DHFDRR15B92ICDGG-17993?func=full-set-set&set_number=041335&set_entry=000007&format=999 pdf	
Total punctaj indicator N4.3		2

N4.4 Monografii/ cărți de specialitate, format tipărit/ electronic în calitate de co-autor		Punctaj
1		
2		
Total punctaj indicator N4.4		0

[1] Publicația este înregistrată în fondul de carte al bibliotecii naționale sau al bibliotecilor universităților respective.

[2] Se exclud publicațiile conferințelor DAAAM și WSEAS.

Subcategoria A3.1: Atragere resurse financiare prin granturi/proiecte/contracte terți

Director sau responsabil partener la grant/ proiect câștigat prin competiție națională sau internațională

Nr. crt.	Denumire proiect	Tip	Calitatea avută în proiect	Nr. contract	Suma încasată de instituție și repartizată echipei din care directorul/ responsabil partener face parte	Data încasării	Curs mediu valutar al anului încasării	S1 [6] Sumă echivalentă în mii Euro [9]	Obs.
1	Gestiunea studenților la Universitatea „Eftimie Murgu” din Reșița în acord cu cerințele Registrului Matricol Unic	Grant național, finanțare MEN - Fondul de Dezvoltare Instituțională (FDI 2017)	Director de proiect	CNFIS-FDI-2017-0167	38.000	2017	4,5681	8,319	Decizia nr. 232/28.06.2007 Fișa de execuție proiect Val. tot. 52.351
2	Împreună universități și angajatori. Un sistem integrat de programe educaționale inovative	Grant național	Responsabil partener (Expert implementare activități partener P2)	POCU/320/6/21/121030	362.201	2020-2021	4,8788	74,241	Adeverință nr. 262/21.09.2023
Total S1								82,559	
Membru în echipă la grant/ proiect câștigat prin competiție națională sau internațională, proiecte/ contracte terți									
Nr. crt.	Denumire proiect	Tip	Calitatea avută în proiect	Nr. contract / Cod proiect	Suma încasată de instituție și repartizată de director/ responsabil persoanei respective	Data încasării	Curs mediu valutar al anului încasării	S2 [7] Sumă echivalentă în mii Euro [8]	Obs.
1	Înființarea unui Centru de Orientare și Recalificare Profesională - CORP	PHARE	Lector curs "Designer pagini web"	RO-2005/017-553.04.02.01.01.509	2.202	2008	3,6827	0,598	Decizie nr. 395/01.08.2008 Adeverință membru proiect 21.01.2009 Adeverință echipă proiect 21.01.2009
	Cercetări privind îmbunătățirea parametrilor de răspuns în timp real a actuatorilor cu elemente active din aliaje cu memoria formei pentru modulele robotice de prehensiune	PNCIDI II Idei	Membru al echipei de cercetare	Cod proiect CNCISIS 2544	1.645	2009-2011	4,228	0,389	Adeverință nr. 51/08.03.2024
2	Elaborarea conceptului privind echiparea butucului rotorului turbinei rezultat în urma re tehnologizării HA1 din CHE - Porțile de Fier I	Contract de cercetare cu mediul economic	Membru în echipa de cercetare	130/08.07.2015	5.000,00	Fact. 1236/16.09.2015	4,4450	1,125	CCPS nr. 13/01.08.2015 Val. tot. 60.325
3	Cursuri de calificare în domenii inovative pentru angajații fostelor zone industrializate din Regiunile Vest și Centru	POSDRU	Membru în echipa de implementare - Formator	POSDRU/182/2.3/S/154713	33.587,00	20.11.2015	4,4450	7,556	Adeverințe nr. 671/28.11.2019 670/28.11.2019
4	Parteneriat regional și euro-regional pentru tranziția spre piața muncii prin consiliere pentru carieră și stagii de practică la angajator - PRACTICOR® EURO-REGIO	POSDRU	Membru în echipa de implementare - Consilier P1	POSDRU/161/2.1/G/132889	3.600	2015	4,4450	0,810	CIM nr. 709/30.04.2015

5	Modernizarea bazei materiale pentru susținerea activităților didactice în domeniul tehnic la Universitatea „Efimie Murgu” din Reșița	Grant național, finanțare MEN - Fondul de Dezvoltare Instituțională (FDI 2018)	Membru în cadrul proiectului	CNFIS-FDI-2018-0282	5.654,00	2018	4,6535	1,215	Adeverință nr. 230/31.01.2019
6	Creșterea accesului la învățământul superior pentru tinerii din mediile defavorizate din județul Caraș-Severin și zonele limitrofe	Grant național, finanțare MEN - Fondul de Dezvoltare Instituțională (FDI 2018)	Asistent director de proiect	CNFIS-FDI-2018-0257	6.552,00	2018	4,6535	1,408	Adeverință nr. 606/18.03.2019 Buget total proiect 98560 Buget FDI 84000
7	Împreună universități și angajatori. Un sistem integrat de programe educaționale inovative – POCU/320/6/21/121030	Grant național	Expert evaluator grup țintă	POCU/320/6/21/121030	32.811	2019-2020	4,7912	6,848	Adeverință nr. 262/21.09.2023
8	Dezvoltarea bazei materiale pentru susținerea activităților aplicative în domeniul tehnic	Grant național, finanțare MEN - Fondul de Dezvoltare Instituțională (FDI 2019)	Director tehnic	CNFIS-FDI-2019-0099	5.784,00	2019	4,7452	1,219	Adeverință nr. 30/09.01.2020
9	Înființarea unei rețele academice sud-est-europene pentru tehnologii de fabricație aditive (Establishment of a South Eastern European Academic Network for Additive Manufacturing – SEEAM-Network)	Grant național, finanțare MEN - Fondul de Dezvoltare Instituțională (FDI 2019)	Expert tehnic	CNFIS-FDI-2019-0348	6.628,42	2019	4,7452	1,397	Adeverință nr. 118/22.01.2020
10	Laboratoare moderne - studenți performanți	Grant național, finanțare MEN - Fondul de Dezvoltare Instituțională (FDI 2020)	Director tehnic	CNFIS-FDI-2020-0556	5.605,00	2020	4,8371	1,159	Adeverință nr. 53/04.02.2021
11	Cercetări privind comportarea camerei spirală de la turbinele din CHE Retezat la încărcări variabile	Contract de cercetare cu mediul economic	Membru în echipa de cercetare	1691/16.02.2021	1.221,89	2021	4,9204	0,248	CCPS nr. 413/23.02.2021
					799,60			0,163	CCPS nr. 2935/24.09.2021
12	Cercetări privind starea de solicitare la butucul, pistonul și furcile rotorului turbinei Kaplan de la CHE Porțile de Fier I, la apariția suprapresiunii în cilindrul butucului, în regim de avarie	Contract de cercetare comandat de mediul economic	Membru al echipei de cercetare	31/17.01.2024	12.409,06	2024	4,9746	2,494	CCPS nr. 214/26.01.2024

13	Cercetări privind influența soluțiilor de modificare a alezajelor filetate de la îmbinarea butuc – capac rotor asupra tensiunilor maxime și duratei de viață a butucului rotorului turbinei Kaplan nr. 1 de la CHE Porțile de Fier I	Contract de cercetare comandat de mediul economic	Membru al echipei de cercetare	458/15.05.2024	10.071,63	2024	4,9746	2,025	CIM nr. 37199/13.06.2024
Total S2								27,667	

[6] Suma din grant/proiect încasată de instituție repartizată echipei din care directorul de grant/responsabil partener face parte (S1 include cheltuieli de: personal, logistică, deplasări, indirecte).

[7] Suma din grant/proiect câștigat prin concurs național/internațional și proiecte/contracte terți încasată de instituție și repartizată de director/responsabil persoanei respective (S2 include cheltuieli de: personal, logistică, deplasări, indirecte).

[8] Pentru contractele derulate înainte de 01.01.1999 se va considera echivalarea: 1 EURO = 1 \$ USA.

Subcategoria A3.2: Prezentarea/ Diseminarea rezultatelor: prezență la manifestări științifice în calitate de autor/co-autor de lucrări, profesor invitat

N5: Congrese/conferințe/workshopuri internaționale, profesor invitat la universități/ institute din străinătate		Punctaj	Obs.
1	Manifestarea științifică: The 2nd International Conference on Robotics , Timișoara-Reșița, 2004 Prezentarea lucrării: Geometrical, Kinematical and Kinetostatical Modelling of a $PF_{x3}+6 \times STS+PM_{03}$ (MSSM) Type Parallel Topology Robotic Guiding Device with Rigid Links, Using the Concept "Pair of Frames" (PF)	1	Proceedings Content
2	Manifestarea științifică: The 7th International Symposium Young People and Multidisciplinary Research , Reșița, 22-23 September 2005 Prezentarea lucrării: Geometrical (Degree 0) Modelling of a $FP_3+3 \times RTR+MP_3$ Type Parallel Topology Robotic Guiding Device, Using the „Pair of Frames” (PF) Concept	1	Program
3	Manifestarea științifică: The 3rd International Conference on Robotics, ROBOTICA 2006 , 7th-9th September, Iași, 2006 Prezentarea lucrărilor: 1. Geometrical (Degree 0) Modelling of a $FP_3+6 \times STS+MP_3$ Type Parallel Topology Robotic Guiding Device, Using the „Connexion“ and „Pair Of Frames” Concepts” 2. Workspace of a $FP_3+6 \times STS+MP_3$ Type Parallel Topology Robotic Guiding Device	1	Communicated Papers
4	Manifestarea științifică: The 9th International Conference on Mechatronics and Precision Engineering, COMEFIM'9 , 12th – 14th June 2008, Iași Prezentarea lucrărilor: 1. Mathematical Model for Determining the Position-Orientation Matrix of the Reference System Attached to the Characteristic Point of a Robot Using 6 Inextensible Wires 2. Modelling and Simulation of a Planar Parallel Topology Robotic Guiding Device Using CATIA Software	1	Proceedings Content
5	Manifestarea științifică: The International Conference ROBOTICS '08 , 13th-14th November, 2008, Brașov Prezentarea lucrărilor: 1. Robotic Grippers with Translational Drivers 2. Method of Determination of the Position-Orientation Matrix of the Reference System Attached to the Mobile Platform of a Parallel Topology Robot with 6 Inextensible Wires Device	1	Proceedings Content
6	Manifestarea științifică: The 5th WSEAS International Conference on Renewable Energy Sources, RES '11 , July 1-3, 2011, Iași Prezentarea lucrării: Analysis of an Outer Bearing Bush of a Hydropower Plant Kaplan Turbine Using Finite Element Method	1	Program Certificate of Appreciation
7	Manifestarea științifică: Multi-Conference on Systems & Structures, SysStruc '11 , 16-17 September 2011, Reșița Prezentarea lucrării: Fatigue Analysis of an Outer Bearing Bush of a Kaplan Turbine	1	Program
8	Manifestarea științifică: IAASAT Conference: International Conference on Environment, Economics, Energy, Devices, Systems, Communications, Computers, Mathematics , 27-29 October 2011, Drobeta Turnu Severin Prezentarea lucrării: Dynamic Study of Low Level Links of a Parallel Topology Robot Guiding Device Using Finite Element Method	1	Program Certificate of Appreciation
9	Manifestarea științifică: The Joint International Conference of the XI International Conference on Mechanisms and Mechanical Transmissions and the International Conference on Robotics, MTM & Robotics 2012 , June 6-8, 2012, Clermont-Ferrand, France Prezentarea lucrărilor: 1. Fatigue Analysis of Low Level Links of a Parallel Topology Robot Guiding Device Mechanism 2. Design of a Driving Kinematical Joint Actuated with Intelligent Materials used in Structure of Industrial Robots	1	Program
10	Manifestarea științifică: Multi-Conference on Systems & Structures, SysStruc '13 , 26-28 September 2013, Reșița Prezentarea lucrării: Some Aspects on Technological Design of a Cam Type Workpiece Using CATIA Software	1	Submitted Papers Cover and Table of Contents
11	Manifestarea științifică: The VIth International Conference on Robotics, ROBOTICS 2014 , October 23-25, 2014, Bucharest Prezentarea lucrărilor: 1. Dynamic Simulation of a Parallel Topology Robot Operation 2. Influence of Link Lengths on the Workspace of a Parallel Topology Robot	1	Program
12	Manifestarea științifică: Multi-Conference on Systems & Structures, SysStruc '17 , November 09-11, 2017, Reșița Prezentarea lucrării: Simulation of a Pneumatically Driven Robotic Gripper Used for Handling Cylindrical Workpieces	1	Program

13	Manifestarea științifică: International Conference on Applied Sciences, ICAS 2019 , 9-11 May 2019, Hunedoara Prezentarea lucrărilor: 1. Analysis of a 6-DOF Parallel Robot Motion Simulation 2. Aspects of Using a Numerical Simulator for a Robot Position-Orientation Matrix Determination	1	Program
14	Manifestarea științifică: The 3th International Conference on Electrical Engineering and Systems, ICEES 2022 , 21-23 September 2022, Reșița Prezentarea lucrării: On the Milling Process Simulation of an Injection Mold Part	1	Program Diplomă de participare
15	Manifestarea științifică: 13th IFToMM International Symposium on Science of Mechanisms and Machines & XXV International Conference on Robotics, SYROM 2022 & ROBOTICS 2022 , November 17 - 18, 2022, Iași Prezentarea lucrării: Evaluation by Numerical Simulation of Friction Forces in Spherical Joints of a 6-DOF Parallel Topology Robot	1	Program
16	Manifestarea științifică: 3rd International Conference of Mechanical System Dynamics – ICMSD 2025 , 23-27 September 2025, Cluj-Napoca Prezentarea lucrării: Evaluation by Numerical Simulation of Kinematic and Dynamic Parameters of a 12 DOF Hybrid Topology Robot	1	Program Certificate of Participation
Total punctaj indicator N5		16	

Subcategoria A3.3: Citări în publicații BDI [5] (se exclud autocitățile)

Nr. Crt.	Lucrare	Articolul în care a fost citată lucrarea	BDI a publicației	Citări C1	FI al publicației	FI la data
1	Micloșină, C. ; Vela, I.; Gillich, G.R.; Amariei, D.; Vela, D.: „On the Use of Robotic Grippers with Shape Memory Alloy Actuators in Handling Light-Weight Workpieces”, Annals of DAAAM for 2007 & Proceedings of the 18th International DAAAM Symposium "Intelligent Manufacturing & Automation: Focus on Creativity, Responsibility, and Ethics of Engineers", ISBN 3-901509-58-5, ISSN 1726-9679, Editor B. Katalinic, Published by DAAAM International, Vienna, Austria; University of Zadar, Zadar, Croatia, 24-27th October, 2007, pp. 451-452; WOS:000252067400226	Chiru, A.; Gheorghita, V.; Vlase, S.; Scutaru, M.L.; Marin, M.: "Damping and Super-Elasticity Properties of a Memory Shape Alloy NiTi Used in Automotive Engineering", JOURNAL OF VIBRATION ENGINEERING & TECHNOLOGIES, Volume: 5 Issue: 3 Pages: 223-227, Published: JUN 2017 WOS:000404371400003	WOS SCOPUS	1	0,615	Data publicării (2017)
		Amariei, D.; Vela, I.; Gillich, G.R.; Raduca, E.: "SHAPE MEMORY ALLOY ACTUATOR FOR ROBOTIC GRIPPERS ACTUATED BY TWO PAIRS OF ACTIVE SPRINGS", ANNALS OF DAAAM FOR 2009 & PROCEEDINGS OF THE 20TH INTERNATIONAL DAAAM SYMPOSIUM, Annals of DAAAM and Proceedings, Volume: 20 Pages: 1307-1308 Published: 2009 WOS:000282335600654	WOS SCOPUS	1		
2	Cojocaru, V.; Nedelcu, D.; Micloșină C.-O. : „The Parametrical Design of the Parts from the Same Technological Family”, Analele Universității “Eftimie Murgu” Reșița, Fascicola de Inginerie, ISSN 1453-7394, anul XV, Nr. 1, 2008, pp. 113-118;	Angelov, B., Ahmed, A.: "Parametric Computer Aided Design of Structural Elements in the Automobile Industry", AIP Conference Proceedings, 2024 https://doi.org/10.1063/5.0253975	SCOPUS	1		
3	Amariei, D.; Gillich, G.R.; Frunzăverde, D.; Micloșină, C. : “Study on the Behavior of Ni-Ti Shape Memory Alloys in Order to Highlight the Memory Effect”, 2008 IEEE International Conference on Automation, Quality and Testing, Robotics, AQTR 2008, THETA 16th Edition, Poster Session, ISBN 978-973-713-248-2, 22-25 May, Cluj-Napoca, Romania, 2008, pag. 179-184	Amariei, D., Frunzaverde, D., Vela, I., Gillich, G.R.: "Educational stand using shape memory alloys to enhance teaching of smart materials", Procedia Social and Behavioral Sciences, 2(2), pp. 5104–5108, 2010	SCOPUS	1		
		Gillich, G.R., Amariei, D., Gillich, N., Chioncel C.P., Bizau, V., Birdeanu, E.D.: "About the use of shape memory alloys in vibration damping", Annals of Daaam and Proceedings of the International Daaam Symposium, pp. 551–552, 2008	SCOPUS	1		
4	Micloșină C.-O. ; Ștefan, D.A.; Cojocaru V.: „3D Modeling of Mechanical Transmissions for Base Translation of an Industrial Robot”, Analele Universității “Eftimie Murgu” Reșița, Fascicola de Inginerie, ISSN 1453-7394, anul XVI, Nr. 1, 2009, pp. 179-182	Li, J., Liu, Q., Ye, M., Zhang, Z., Hanajima, N.: "A Hybrid Robot Kinematics Modeling and Trajectory Planning", Lecture Notes in Electrical Engineering , 951 LNEE, pp. 436–444, 2022	SCOPUS	1		
5	Amariei D., Micloșină C.O. , Vela I., Tufoi M., Mitulețu C.: “Contributions to Design of Systems Actuated by Shape Memory Active Elements”, International Conference on Control, Automation and Systems Engineering, 24-26 November, Venice, Italy, published in World Academy of Science, Engineering and Technology, Year 6, Issue 71, November 2010, ISSN 1307-6892;	Supeni, E.E., As’arry, A., Chilabi, H.J.: "Advancement of energy harvesting using smart materials and composites", Composites in Energy Harvesting Conversion and Storage Biocomposites Nanocomposites and Bionanocomposites, pp. 31–44, 2024	SCOPUS	1		
		Supeni, E.E., As’arry, A., Chilabi, H.J.: "Advancement of energy harvesting using smart materials and composites", Physical Sciences Reviews, 10(7-9), pp. 685–697				
6	Amariei D., Vela I., Gillich G.-R., Micloșină C.O. : “Model Equations of Shape Memory Effect – Nitinol”, Analele Universității “Eftimie Murgu” Reșița, Fascicola de Inginerie, ISSN 1453-7394, anul XVII, Nr. 2, 2010, pp. 11-16	Jiwnani, M.R., Shekhar, S., Bansal, S., Agrawal, P., Tyagi, R.K.: "A technical review on engineering applications of nitinol", International Journal of Applied Engineering Research, 10(1), pp. 589–618, 2015	SCOPUS	1		
7	Micloșină C.-O. , Câmpian C.V., Frunzăverde D., Cojocaru V.: „Analysis of an Outer Bearing Bush of a Hydropower Plant Kaplan Turbine Using Finite Element Method”, Recent Researches in Environment, Energy Planning & Pollution, Proceedings of the 5th WSEAS International Conference on Renewable Energy Sources (RES '11), Iasi, Romania, July 1-3, 2011, ISBN 978-1-61804-012-1, pp. 221-224	Nedeloni M.-D., Hațiegan C., Vasile O., Hamat C.-O., Fănică C., Gillich N.: "Numerical study regarding the influence of material components for a booster - ultrasonic horn assembly on the natural frequency", Romanian Journal of Acoustics and Vibration, 12 (2), pp. 155-160, 2015	SCOPUS	1		
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8	Cojocaru V., Câmpian C.V., Frunzăverde D., Micloșină C.-O. : „Residual Stresses Analysis of Weld Overlays Coatings Used for the Repairs at Kaplan Turbine Runner Blades Areas Damaged by Cavitation Erosion”, Recent Researches in Environment, Energy Planning & Pollution, Proceedings of the 5th WSEAS International Conference on Renewable Energy Sources (RES '11), Iasi, Romania, July 1-3, 2011, ISBN 978-1-61804-012-1, pp. 225-228	Secosan E.R., Ciubotariu R.C., Cojocaru V., Frunzaverde D., Campian C.V.: "Study regarding the cavitation erosion behaviour and residual stresses of impact resistant hardfacing materials", Advanced Materials Research 1029, pp. 146-151, 2014	SCOPUS	1		
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Numărul de citări C1				404		
Suma factorilor de impact al publicațiilor WOS în care apar citările S _{F1}					1234,715	
Total punctaj indicator C = C1 + S _{F1}					1638,715	

[4] Bazele de date BDI acceptate sunt: Web of Science Thomson Reuters (WOS) și SCOPUS

[5] Un brevet se poate încadra la o singură categorie.

Conf. univ. dr. ing. Călin-Octavian Micloșină

Director CSUD,
Prof. dr. Anca-Mirela ANDREICA

Director Școala Doctorală de Inginerie,
Conf. univ. abil. dr. ing. Zoltan-Iosif Korka