

AVIZAT
Director CSUD,
Prof. dr. ing. Eugen-Victor-Cristian RUSU

ANEXA nr. 3 la Metodologia privind organizarea și desfășurarea procesului de obținere a atestatului de abilitare în Universitatea „Dunărea de Jos” din Galați (IOSUD-UDJG)

FIȘA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR MINIMALE
pentru ocuparea postului didactic de PROFESOR UNIVERSITAR,
în vederea obținerii atestatului de abilitare

Candidat: Conf. dr. ing. Nicușor BAROIU

Domeniul de abilitare solicitat: Inginerie industrială

1. Doctor în științe în domeniul **Inginerie industrială**
2. Date privind îndeplinirea standardelor minime naționale

DA

Condiții minime naționale ***	Profesor/Domeniul Inginerie industrială			
	Punctaj minimal impus	Punctaj propriu	Gradul de îndeplinire	
			DA	NU
A1. Activitatea didactică și profesională	Minim 130 puncte	210.01	X	
A2. Activitatea de cercetare	Minim 300 puncte	366.19	X	
A3. Recunoașterea și impactul activității	Minim 100 puncte	416.24	X	
TOTAL	530 puncte	992.44	X	

*** Conform OMENCS nr. 6129/20.12.2016 privind aprobarea standardelor minime necesare și obligatorii pentru conferirea titlurilor didactice din învățământul superior, a gradelor didactice de cercetare-dezvoltare, a catedrărilor de conducător de doctorat și a atestatului de abilitare



Condiții	Îndeplinire condiții	
A. Doctor	DIPLOMA DE DOCTOR Seria I, Nr. 0005277, emisă în baza Ordinului Ministrului Educației nr. 5581MD din 03.12.2013	
B. Îndeplinirea standardelor minime naționale conform Ordinului nr. 6129/2016 – emis de Ministerul Educației Naționale și Cercetării Științifice și publicat în Monitorul Oficial, Partea I nr. 123 din 15.02.2017.	Standarde îndeplinire, conform Comisiei CNATDCU Nr. 16 - COMISIA INGINERIE INDUSTRIALĂ ȘI MANAGEMENT Anexată: Fișa de calcul și de susținere a îndeplinirii standardelor minime specifice domeniului, în acord cu realizările menționate:	
Condiții minime [Punctaj]	Minim prevăzut	Realizat
A1. Activitatea didactică și profesională	130	210.01
A2. Activitatea de cercetare	300	366.19
A3. Recunoașterea și impactul activității	100	416.24
TOTAL A	530	992.44
Condiții minime obligatorii pe subcategorii	Minim prevăzut	Realizat
A1.1.1 Cărți/manuale/monografii/capitole de specialitate ca autor, (edituri recunoscute)	Minimum 2 de prim autor	TOTAL: 14 2 – prim autor; 12 – coautor
A1.1.2 Cărți ca editor	-	1 – coautor
A1.2.1 Alte materiale didactice - inclusiv în format electronic (suporturi de curs/ îndrumare)	Minimum 4 (din care 2 prim autor)	TOTAL: 5 2 – prim autor; 3 – coautor
A.2.1 Articole indexate în reviste ISI Thomson Reuters și în volumele unor manifestări științifice indexate ISI Thomson Reuters, vizibile în baza de date	- De la ultima promovare: Minimum 8 articole, din care 3 în reviste, minimum 3 ca autor principal - Începând cu 2018 – min. 1 articol în reviste din zona roșie sau galbenă ^{****})	TOTAL: 16 4 – prim autor; 12 – coautor, (14 în reviste) dintre care: - 2 articole din zona roșie (Q1); - 2 articole din zona galbenă (Q2)
A.2.2 Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale	Minimum 8 pentru profesor/abilitare	TOTAL: 26 13 – prim autor; 13 – coautor
A.2.5 Granturi/proiecte câștigate prin competiție sau contracte cu mediul socio-economic - în valoare de minimum 25000 lei (justificată cu documente care să ateste încasarea sumei)	Minimum 2D sau 4R pentru profesor/abilitare	TOTAL: 8 2 – director; 6 – membru
C. Atestarea studiilor (diplomă + Foi Matricole) și a altor realizări profesionale	DIPLOMA DE INGINER CERTIFICAT DE ABSOLVIRE	

*) de la ultima promovare pentru posturi didactice și de cercetare sau în ultimii 5 ani pentru candidații din afara sistemului de învățământ; pentru abilitare: de la ultima promovare sau în ultimii 5 ani.

**) bazele de date internaționale (BDI) luate în considerare pentru articolele publicate în reviste și publicate în volumele unor manifestări științifice, cu excepția articolelor publicate în reviste cotate ISI, sunt cele recunoscute pe plan științific internațional precum: ACM, Cabi, CEEOL, CiteSeerX, Compendex/Engineering Village, CRCnetBASE, CrossRef, Current Contents, CSA, DBLP, DOAJ, EBSCO, EdITLib, Emerald, ERIC, Genamics, GeoBase, GEOREF, IEEE Xplore, IFAC-PapersOnLine, Index Copernicus, INSPEC/IET, J-Gate, Library of Congress, MathSciNet, ProQuest, PubMed, Referativnai Jurnal, RePEc, Elsevier/Scopus, Elsevier/Science Direct, Springerlink, Ulrichsweb, WorldCat, Wiley, Zenodo, Zentralblatt, Scientific.net, Seek Digital Library. De asemenea, sunt luate în considerare și alte baze de date recunoscute CNCS, iar în privința revistelor buletinele științifice cotate CNCS B+.

***) Se va lua în considerare, din bugetul total al proiectului, suma care revine instituției din partea căreia este Responsabil calculată la cursul de schimb oficial la data contractării.

****) Se aplică doar începând din 2018 și se referă la întreaga activitate;

*****) Factorul de impact - în anul publicării.



Tipul activităților	Categoriile și subcategoriile	Activitate	Punctaj	
1.1 Cărți/manuale/monografii/ Capitole în cărți de specialitate	1.1.1. Cărți/manuale/monografii/ capitole de specialitate	1.1.1.1 Internaționale nr. pag./(5•nr. autori)	1. N. Baroiu , "Synthesis about the hyperboloidal sharpening of the drills with three curved cutting edges", Ed. LAP LAMBERT Academic Publishing, ISBN 978-620-5-48960-4, 2022, 112 pag.	112/(5*1) 22.4
			2. V.G. Teodor, N. Baroiu , F. Susac, "La synthese de nouveaux algorithmes pour le profilage CAO des outils de coupe", Editions Notre Savoir, ISBN 978-620-2-66447-9, 2020, 76 pag.	76/(5*3) 5.07
			3. V.G. Teodor, N. Baroiu , F. Susac, "Die Synthese neuer Algorithmen für die CAD - Profilierung von Schneidwerkzeugen", Unser Wissen Verlag, ISBN 978-620-2-66444-8, 2020, 78 pag.	78/(5*3) 5.20
			4. V.G. Teodor, N. Baroiu , F. Susac, "A Sintese de Novos Algoritmos para o Perfilamento CAD de Ferramentas de Corte", Edicoes Nosso Conhecimento, ISBN 978-620-2-66451-6, 2020, 75 pag.	75/(5*3) 5.00
			5. V.G. Teodor, N. Baroiu , F. Susac, "Synteza nowych algorytmow do profilowania narzedzi skrawajacych CAD", Wydawnictwo Nasza Wiezda, ISBN 978-620-2-66450-9, 2020, 75 pag.	75/(5*3) 5.00
			6. V.G. Teodor, N. Baroiu, F. Susac, "De synthese van nieuwe algoritmen voor CAD - profilering van snijgereedschappen", Uitgeverij Onze Kennis, ISBN 978-620-2-66449-3, 2020, 77 pag.	77/(5*3) 5.13
			7. V.G. Teodor, N. Baroiu, F. Susac, "La sintesi dei nuovi algoritmi per la profilatura CAD degli utensili da taglio", Edizioni Sapienza, ISBN 978-620-2-66448-6, 2020, 75 pag.	75/(5*3) 5.00
			8. V.G. Teodor, N. Baroiu , F. Susac, "La síntesis de nuevos algoritmos para el perfilado CAD de herramientas de corte", Ediciones Nuestro Conocimiento, ISBN 978-620-2-66445-5, 2020, 84 pag.	84/(5*3) 5.6
			9. V.G. Teodor, N. Baroiu , F. Susac, "The synthesis of new algorithms for CAD profiling of cutting tools", Lambert Academic Publishing, ISBN 978-613-7-08923-1, 2018, 72 pag.	72/(5*3) 4.8
		1.1.1.2 Naționale (edituri recunoscute) nr. pag./(10•nr. autori)	1. N. Baroiu , C.L. Popa, V.G. Teodor, S. Berbinschi, F. Susac, "Pompe și compresoare elicoidale - profilări CAD și analitice ale sculelor generatoare", Ed. Academica, ISBN 978-606-606-004-2, 2017, 355 pag.	355/(10*5) 7.1
			2. F. Stan, N. Baroiu , O.D. Ciocan, "Hidrostatică tehnologică – Aplicații", Ed. Didactică și Pedagogică, București, ISBN 978-973-30-3600-5, 2014, 143 pag.	143/(10*3) 4.77
			3. V. Alexandru, N. Baroiu , O. Abrudan, S. Bejenaru, M. Simioncă, "Aplicații de geometrie descriptivă și desen", Ed. Academica, Galați, ISBN 973-8316-78-2, 2005, 154 pag.	154/(10*5) 3.08

		4. D. Gheorghe, N. Baroiu , „Metrologie”, Ed. Fundației Universitare „Dunărea de Jos” din Galați, ISBN 973-627-100-5, 2003, 153 pag.	153/(10*2) 7.65
		5. V. Alexandru, S. Bejenaru, N. Baroiu , „Grafică asistată de calculator”, Ed. Fundației Universitare, Galați, ISBN 973-8352-33-9, 2002, 183 pag.	183/(10*3) 6.1
	1.1.2. Cărți ca editor	1.1.2.1 Internaționale nr. pag./ (10•nr. editori)	1. V. Păunoiu, N. Baroiu , V.G.Teodor, "IOP Conf. Series: Materials Science and Engineering", 968, 01200, 2020, 219 pag., https://iopscience.iop.org/issue/1757-899X/968/1 , https://iopscience.iop.org/article/10.1088/1757-899X/968/1/011001/pdf
1.2 Alte materiale didactice - inclusiv în format electronic	1.2.1 Suporturi de curs/Îndrumare nr. pag./ (20•nr. autori)	1. N. Baroiu , G.A. Moroșanu, "Sisteme de acționare hidraulică", Ed. Academica, ISBN 978-606-606-011-0, 2022, 214 pag.	214/(20*2) 5.35
		2. N. Baroiu , D. Vișan, O.D. Ciocan, "Hidrostatică și pneumatică tehnologică - Îndrumar pentru laborator" - format electronic, Ed. Academica, ISBN 978-606-606-007-3, 2018, 140 pag.	140/(20*3) 2.33
		3. C. Fălțiceanu, M. Manea, N. Baroiu , S. Ciortan, O. Bologa, C.L. Fălțiceanu, „Etanșări mobile fără contact - ghid de proiectare”, Ed. Evrika, Galați, ISBN 973-641-042-0, 2003, 209 pag.	209/(20*6) 1.74
		4. D. Gheorghe, C. Georgescu, N. Baroiu , „Toleranțe și control dimensional”, Ed. Scorpion, Galați, ISBN 973-85803-0-7, 2002, 264 pag.	264/(20*3) 4.40
		5. D. Gheorghe, C. Georgescu, N. Baroiu , „Control dimensional”, Vol. II, Ed. UniPress C-68, București, ISBN 973-8228-24-7, 2002, 119 pag.	119/(20*3) 1.98
1.3 Coordonare de programe de studii, organizare și coordonare programe de formare continuă - 15		Coordonare program de studii MCII (director specializare MCII)	15
1.4 Dezvoltare de noi discipline - 10		1. Dezvoltare disciplină Antreprenariat - IEI, anul III, 2021-2022	10
		2. Dezvoltare disciplină Acționări hidraulice și pneumatice - TCM, AR, IM, IEI, EM, EPAE, IEC anul III, 2020-2021	10
		3. Dezvoltare disciplină Simulare CAD în ingineria sudării - PSIS, anul I, 2019-2020	10
1.5 Proiecte educaționale (ERASMUS, Leonardo etc.) 10• (ani desfășurare)		CEEPUS CIII-BG-0703-11-2223 - Modern Trends in Education and Research on Mechanical Systems - Bridging Reliability, Quality and Tribology, cu începere din 2018 (Responsabil partener rețea) https://www.ceepus.info/nw/0703-2223	10*5 50
Total criteriul A1			210.01
2.1 Articole indexate în reviste ISI Thomson Reuters și în vol. unor manifestări științifice indexate ISI Thomson Reuters, vizibile în baza de date – de la ultima promovare (februarie 2019)	Articole indexate în reviste ISI Thomson Reuters cu/fără IF, vizibile în baza de date – de la ultima promovare (februarie 2019)	1. N. Baroiu , V.G. Teodor, V. Păunoiu, G.A. Moroșanu, I.C. Dumitrescu, Reverse Engineering Used to Profile a Gerotor Pump Rotor, Applied Science, 13(19), 11069, pp. 1-23, ISSN: 2076-3417, Impact Factor: 2.7, 2023, WOS:001097454600001, https://doi.org/10.3390/app131911069	(30+10*2.7)/5 11.40
		2. G.A. Moroșanu, V.G. Teodor, N. Baroiu , The Profiling of Hob Mill Used for Generating a Cycloidal Reducer's Disk, Machines, 11(5), 518, pp. 1-21, ISSN: 2075-1702, Impact Factor: 2.6, 2023 WOS:000998039000001 https://doi.org/10.3390/machines11050518	(30+10*2.6)/3 18.67
		3. V. Păunoiu, V.G.Teodor, C. Afteni, G. Costin, N. Baroiu , Application of 3D scanning in inspection of the automotive body parts, Ingineria Automobilului, 62 (1), pp. 9-13, ISSN: 1842-4074, 2022, WOS:000782908700003, http://siar.ro/wp-content/uploads/2022/04/rIA-62-1.pdf ,	(30+10*0)/5 6.00

<p>Pentru reviste: (30 + 10 • factor de impact)/(nr. de autori)</p>	<p>4. G.A. Moroșanu, N. Baroiu, V.G. Teodor, V. Păunoiu, N. Oancea, Review on study methods for reciprocally enwrapping surfaces, <i>Inventions</i>, 7(1), 10, pp. 1-33, ISSN 2411-5134, Impact Factor: 3.4, 2022, WOS:000774972000001 https://doi.org/10.3390/inventions7010010</p>	<p>(30+10*3.4)/5 12.80</p>
	<p>5. E.F. Beznea, N. Baroiu, I. Chirică, The Static Behavior of a Ship Deck Panel Made of Composite Materials, <i>Revista de Materiale Plastice</i>, Vol. 58(4), pp. 147-157, ISSN 0025-5289, Impact Factor: 0.782, 2021, WOS:000744132400008 https://revmaterialeplastice.ro/pdf/16%20BEZNEA%204%2021.pdf; https://doi.org/10.37358/MP.21.4.5540</p>	<p>(30+10*0.782)/3 12.61</p>
	<p>6. N. Baroiu, E.F. Beznea, G. Coman, I. Chirică, Static and Thermal Behaviour of Ship Structure Sandwich Panels, <i>Thermal Science</i>, Vol. 25, No. 2A, pp. 1109-1121, ISSN 0354-9836, Impact Factor: 1.971, 2021, WOS:000637592900027 http://thermalscience.vinca.rs/pdfs/papers-2020/TSCI190531463B.pdf; https://doi.org/10.2298/TSCI190531463B</p>	<p>(30+10*1.971)/4 12.43</p>
	<p>7. N. Baroiu, G.A. Moroșanu, V.G. Teodor, N. Oancea, Roller profiling for generating the screw of a pump with progressive cavities, <i>Inventions</i>, Vol 6(2,34), pp. 1-8, ISSN 2411-5134, 2021, WOS:000667166000001 https://www.mdpi.com/2411-5134/6/2/34/pdf; https://doi.org/10.3390/inventions6020034</p>	<p>(30+10*0)/4 7.50</p>
	<p>8. S.N. Mazurchevici, C. Cărăușu, R.I. Popa, C. Ciofu, V. Paunoiu, N. Baroiu, D. Nedelcu, Structural analyses of biodegradable printed samples, <i>Macromolecular Symposia</i>, Vol. 396, Issue 1, Part II, Article Number: 2000308, ISSN: 1521-3900, Impact Factor: 0.913, 2021, WOS:000641766900019 https://doi.org/10.1002/masy.202000308; https://onlinelibrary.wiley.com/doi/10.1002/masy.202000308</p>	<p>(30+10*0.913)/7 5.59</p>
	<p>9. N. Baroiu, G.A. Costin, V.G. Teodor, D. Nedelcu, V. Tăbăcaru, Prediction of surface roughness in drilling of polymers using a geometrical model and artificial neural networks, <i>Revista de Materiale Plastice</i>, Vol. 57(3), pp. 160-173, ISSN 0025-5289, Impact Factor: 0.593, 2020, WOS:000579452900016 https://revmaterialeplastice.ro/pdf/16BAROIU320.pdf; https://doi.org/10.37358/MP.20.3.5390</p>	<p>(30+10*0.593)/5 7.19</p>
	<p>10. V.G. Teodor, V. Păunoiu, N. Baroiu, F. Susac, Optimization of the measurement path for the car body parts inspection, <i>Measurement</i>, Vol. 146, pp. 15-23, ISSN 0263-2241, Impact Factor: 3.364, 2019, WOS:000481402800003 https://doi.org/10.1016/j.measurement.2019.06.002 Articol zona roșie, conform ediției JCR 2019 din 29 iunie 2020, https://uefiscdi.gov.ro/scientometrie-reviste</p>	<p>(30+10*3.364)/4 15.91</p>
	<p>11. E.F. Beznea, G. Coman, N. Baroiu, I. Chirică, Influence of the thermal field on static behaviour of sandwich structures, <i>Revista de Materiale Plastice</i>, Vol. 56(1), pp. 110-114, ISSN 0025-5289, Impact Factor: 1.517, 2019, WOS:000464604100022 http://www.revmaterialeplastice.ro/pdf/22%20BEZNEA%20E%201%2019.pdf; https://doi.org/10.37358/MP.19.1.5133</p>	<p>(30+10*1.517)/4 11.29</p>

		12. G. Coman, G.B. Carp, I. Ion, A. Ceoromila, N. Baroiu , Composite material based on autoclaved aerated concrete waste and unsaturated polyester resin, Revista de Materiale Plastice, Vol. 56(1), pp. 256-260, ISSN 0025-5289, Impact Factor: 1.517, 2019, WOS:000464604100051 http://www.revmaterialeplastice.ro/pdf/51%20COMAN%20G%201%2019.pdf ; https://doi.org/10.37358/MP.19.1.5162	(30+10*1.517)/5 9.03
		13. F. Susac, V. Tăbăcaru, V.G. Teodor, N. Baroiu , Effect of Cutting Parameters on the Hole Quality in Dry Drilling of Some Thermoplastic Polymers, Revista de Materiale Plastice, Vol. 56 (1), pp. 245-251, ISSN 0025-5289, Impact Factor: 1.517, 2019, WOS:000464604100049 http://www.revmaterialeplastice.ro/pdf/49%20SUSAC%201%2019.pdf ; https://doi.org/10.37358/MP.19.1.5160	(30+10*1.517)/4 11.29
		14. G. Coman, M.S. Burciu, N. Baroiu , Vehicles Emissions under Different Driving Conditions in Urban Areas, Revista de Chimie, Vol. 70(2), pp. 438-441, ISSN 0034-7752, Impact Factor: 1.755, 2019, WOS:000461982200015 http://www.revistadechimie.ro/pdf/15%20COMAN%202%2019.pdf ; https://doi.org/10.37358/RC.19.2.6930	(30+10*1.755)/3 15.85
	Articole în volumele unor manifestări științifice indexate ISI Thomson Reuters, vizibile în baza de date – <i>de la ultima promovare (februarie 2019)</i> Pentru volume Conferințe: 25/(nr. de autori)	15. V. Păunoiu, V. Teodor, N. Baroiu , C. Maier, A contribution to multi-channel sheet hydroforming, 18th International Conference on Sheet Metal (SHEMET) - New Trends and Developments in Sheet Metal Processing, Leuven, Belgium, 15-17 April, Procedia Manufacturing Vol. 29, pp. 248–255, 2019; WOS:000560433600032 https://www.sciencedirect.com/science/article/pii/S2351978919301660 ; https://doi.org/10.1016/j.promfg.2019.02.133	25/4 6.25
		16. V.G. Teodor, V. Păunoiu, C. Cărăușu, N. Baroiu , G. Costin, Statistical control of forming process, ModTech International Conference Modern Technologies in Industrial Engineering, Iași, Romania, IOP Conf. Series: Materials Science and Engineering 591, 012071, doi:10.1088/1757-899X/591/1/012071, 2019, WOS:000562929900071 https://iopscience.iop.org/article/10.1088/1757-899X/591/1/012071/pdf https://iopscience.iop.org/article/10.1088/1757-899X/591/1/012071	25/5 5
2.2. Articole in reviste si volumele unor conferinte indexate BDI 15/nr. de autori		1. N. Baroiu , G.A. Moroșanu, V.G. Teodor, R.S. Crăciun, V. Păunoiu, Use of reverse engineering techniques for inspecting screws surfaces of a helical hydraulic pump, International Journal of Modern Manufacturing Technologies, Volume XIV, No. 2, pp. 20-29, ISSN 2067–3604, 2022, https://ijmmt.ro/vol14no22022/2_Nicusor_Baroiu.pdf ; https://ijmmt.ro/international-journal-ijmmt/vol14no22022	15/5 3

	<p>2. N. Baroiu, V.G. Teodor, V. Păunoiu, G.A. Moroșanu, R.S. Crăciun, Study of the enwrapping of the front profiles of the active elements of a three-screw compressor, MATEC Web of Conferences, Volume 368, 2022, https://doi.org/10.1051/mateconf/202236801003</p>	<p>15/5 3</p>
	<p>3. G.A. Moroșanu, V.G. Teodor, V. Păunoiu, R.S. Crăciun, N. Baroiu, Quality characteristics analysis for the assembly of the elements from the construction of a mechanism for adjusting the seats in the automotive industry, MATEC Web of Conferences, Volume 368, 2022, https://doi.org/10.1051/mateconf/202236801011</p>	<p>15/5 3</p>
	<p>4. V. Păunoiu, V.G. Teodor, N. Baroiu, G.A. Moroșanu, A. Epureanu, Contribution to a new method for deep drawing with kinetic control, MATEC Web of Conferences, Volume 368, 2022, https://doi.org/10.1051/mateconf/202236801022</p>	<p>15/5 3</p>
	<p>5. N. Baroiu, D. Danci (Mâncilă), M. Mâncilă, G.A. Moroșanu, S. Baroiu, C. Dumitrescu, Pneumatic equipment for micro-deformation of wires at an electric micromotor in the automobile industry, Proceedings of International Conference on Hydraulics, Pneumatics, Sealing Elements, Tools, Precision Mechanics, Specific Electronic Equipment & Mechatronics, pp. 1-10, ISSN 1454-8003, 2022, https://fluidas.ro/hervex/proceedings/proceedings2022.pdf</p>	<p>15/6 2,5</p>
	<p>6. V.G. Teodor, G.A. Moroșanu, N. Baroiu, R.S. Crăciun, V. Păunoiu, Profiling of the hob tool for worm shafts deformation, Journal of Engineering Studies and Research (JESR), Volume 28, Number 4, pp. 131-141, ISSN 2068-7559, 2022, https://pubs.ub.ro/?pg=revues&rev=jesr&num=202204&vol=28&aid=5515</p>	<p>15/5 3</p>
	<p>7. N. Baroiu, G.A. Costin, G.R. Frumușanu, V.G. Teodor, N. Oancea, Study of the stator geometry for a Moineau pump, IOP Conference Series: Materials Science and Engineering, 1009, 012003, doi:10.1088/1757-899X/1009/1/012003, 2021, https://iopscience.iop.org/article/10.1088/1757-899X/1009/1/012003/pdf; https://iopscience.iop.org/article/10.1088/1757-899X/1009/1/012003</p>	<p>15/5 3</p>
	<p>8. N. Baroiu, G.A. Moroșanu, S.Șt. Chislitschi, V. Păunoiu, Self-cleaning system filter treating installation of the ballast water for ships, TEHNOMUS Journal - New Technologies and Products in Machine Manufacturing Technologies, ISSN-1224-029X, pp. 9-18, 2021, http://www.fim-old.usv.ro/conf_1/tehnomusjournal/pagini/journal2021/files/01.pdf; https://fim.usv.ro/articole-revista/</p>	<p>15/4 3.75</p>
	<p>9. G.A. Moroșanu, V.G. Teodor, N. Baroiu, Aspects regarding the organization and functioning of the Student Entrepreneurial Societies (SES) in higher education system from Romania, European Integration - Realities and Perspectives (EIRP) Proceedings, Vol. 16 No. 1, pp. 386-395, ISSN: 2067 – 9211, 2021, https://dp.univ-danubius.ro/index.php/EIRP/article/view/192/200; https://dp.univ-danubius.ro/index.php/EIRP/article/view/192</p>	<p>15/3 5</p>
	<p>10. N. Baroiu, P. Chebac, G.A. Moroșanu, Control and management of ballast water on commercial ships, Journal of Danubian Studies and Research, Vol. 11 (1), pp. 160-171, ISSN 2284–5224, 2021, https://dj.univ-danubius.ro/index.php/JDSR/article/view/1292</p>	<p>15/3 5</p>

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<p>2.4. Proprietate intelectuală, brevete de invenție și inovație etc. Naționale - 20/nr. de autori</p>	<p>1. Brevet de invenție nr. 131777, <i>Matriță pentru ambutisare hidraulică</i>, Inventatori: V. Păunoiu, V.G. Teodor, N. Baroiu, F. Susac, 2023.</p>	<p>20/4 5</p>	
	<p>2. Brevet de invenție nr. 127177, <i>Procedeu pentru ascuțirea hiperboloidală a burghiilor multităiș cu muchie de așchiere în arc de cerc</i>, inventatori: V. Teodor, N. Baroiu, C. Fetecău, S. Berbinschi, N. Oancea, 2017</p>	<p>20/5 4</p>	
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<p>2.5. Granturi/proiecte câștigate prin competiție sau contracte cu mediul socio-economic (în valoare de minimum 25000 lei, (justificată cu documente care să ateste încasarea sumei)</p>	<p>2.5.1. Director / Responsabil Naționale - 10•val/(10 mii €)</p>	<p>1. Contract de cercetare aplicativă cu agenți economici din România nr. 809/29.09.2023, "Consultanță tehnologică și cercetare linie pneumatică de asamblare micromotoare din industria automotive" (sept. 2023-ian. 2024), Baroiu Nicușor – Director contract, 25.250 lei = 25.250 /4,965=5.085,19 Euro</p>	<p>10*5085/(10000) 5.09</p>
	<p>2.5.1. Director / Responsabil Naționale - 10•val/(10 mii €)</p>	<p>2. Contract de cercetare aplicativă cu agenți economici din România nr. 797/16.11.2022, "Analiza spectroscopică a amestecului polioliol-izocianat și studiu cu privire la magnetizarea rotoarelor din linia de asamblare pneumatică a componentelor micromotoarelor electrocasnicelor" (nov. 2022-iul. 2023), Baroiu Nicușor – Director contract, 25.998 lei = 25.998 /4,912=5.292,11 Euro</p>	<p>10*5292/(10000) 5.29</p>
	<p>2.5.2. Membru în echipă Interaționale - 4•nr. ani participare în proiect</p>	<p>1. Proiect PN-III-P1-1.2-PCCDI-2017-0446, "Tehnologii de fabricare inteligente pentru producția avansată a pieselor din industriile de automobile și aeronautică" - TFI PMAIAA (2018-2021) - 3 ani, Baroiu Nicușor – membru echipă, responsabil partener proiect component - "Formarea adaptivă a materialelor compozite pentru reperele din industria de automobile – FAMCRIA", 1.057.500,00 lei =1.057.500,00 /4,66=226,931.33 Euro</p>	<p>2*3 6</p>
	<p>2.5.2. Membru în echipă Interaționale - 4•nr. ani participare în proiect</p>	<p>2. Proiect PN-II-RU-TE-2014-4-0031, "Sinteza unor noi algoritmi de proiectare CAD a profilurilor sculelor așchietoare, generatoare a suprafețelor complexe, cu mijloace neanalitice" (2015-2017) - 2 ani 550.000,00 lei =550.000,00 /4,42=124.485,08 Euro</p>	<p>2*2 4</p>
	<p>2.5.2. Membru în echipă Naționale - 2•nr. ani participare în proiect</p>	<p>3. Proiect PN-II-PT-PCCA-2013-4-2104, "Nanostructuri 1D și 2D pe baza de ZnO și procese tehnologice inovative pentru integrarea lor directă în dispozitive de sesizare gaze și de detecție a radiației UV" - NANOZON (2015) - 1 an 260.000,00 lei =260.000,00 /4,50=57.777,78 Euro</p>	<p>2*1 2</p>
	<p>2.5.2. Membru în echipă Naționale - 2•nr. ani participare în proiect</p>	<p>4. Proiect PN-II-ID-PCE-2008-2 ID_1761, "Studiul comportării ansamblului de medii rigid/elastic/elasto-plastic și aplicarea acestuia la reconfigurabilitatea matrițelor de deformare multipunct" (2011) - 1 an 971.400,00 lei =971.400,00 /4,137=234.824,86 Euro</p>	<p>2*1 2</p>

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		6. Proiect prin Programul Cercetare de Excelență CEEEX 12383/2006, Contract nr. 116/2006, "Organizarea Conferinței Internaționale de Grafică Inginerească și Design, ediția a II-a – ICEGD 2007" (2007) - 1 an 152.000,00 lei =152.000,00 /3,548=42.841,04 Euro	2*1 2
2.6. Coordonare/dezvoltare laborator/centru cercetare (dacă laboratorul este și didactic, punctajul se ia în calcul o singură dată) - 40		Laborator de Acționări Hidraulice și Pneumatice	40
Total criteriul A2			366.19
3.1 Vizibilitate în baze de date internaționale	3.1.1 citări în articole indexate ISI <i>de la ultima promovare (februarie 2019)</i> 10/nr. autori articol citat	1. 1. (citat) A. Zaharia, V. Mușat, V. Pleșcan Ghisman, N. Baroiu , Antimicrobial hybrid biocompatible materials based on acrylic copolymers modified with (Ag)ZnO/chitosan composite nanoparticles, European Polymer Journal (EPJ), ISSN: 0014-3057, Vol. 84, pp. 550-564, 2016, Impact Factor: 3.485, WOS:000390181800043 https://doi.org/10.1016/j.eurpolymj.2016.09.018 1. (citează) S. An, J.L. Evans, S. Hamlet, R.M. Love, Overview of incorporation of inorganic antimicrobial materials in denture base resin: A scoping review, Journal of Prosthetic Dentistry, ISSN: 0022-3913, Vol. 130(2), pp. 202-211, 2023, Impact Factor: 4.6, poziția 7, WOS:001066370400001, https://doi.org/10.1016/j.prosdent.2021.09.004 2. (citează) I. Ok, A. Aykac, Enhancement of the mechanical and antibacterial properties of Bis-GMA/TEGDMA dental composite incorporated with ZnO/CS and Si/PMMA core-shell nanostructures, Chemical Papers, Springer Int Publ., ISSN: 0366-6352, Vol. 77(11), pp. 6959-6973, 2023, Impact Factor: 2.2, poziția 45, WOS:001038369000003 https://doi.org/10.1007/s11696-023-02989-9 3. (citează) X. Zhou, D. Yu, W. Mao, L. Wang, H. Guo, D. Li, H. Li, B. Deng, Q. Liu, Smart photochromic materials based on polylactic acid, International Journal of Biological Macromolecules, ISSN: 0141-8130, Vol. 241(124465), 2023, Impact Factor: 8.2, poziția 6, WOS:000988588900001 https://doi.org/10.1016/j.ijbiomac.2023.124465 4. (citează) A.H. Hashem, G.S. El-Sayyad, Antimicrobial and anticancer activities of biosynthesized bimetallic silver-zinc oxide nanoparticles (Ag-ZnO NPs) using pomegranate peel extract, Biomass Conversion and Biorefinery, ISSN: 2190-6815, pp. 1-13, 2023, Impact Factor: 4, poziția 67, WOS:000964942900002 https://doi.org/10.1007/s13399-023-04126-8 5. (citează) Z. Sui, Z. Guo, Y. Li, Q. Zhang, B. Zu, X. Zhao, Study on preparation and performance of multifunctional linen fabric finishing agent, Textile Research Journal, ISSN: 0040-5175,	(10/4)*15 37.5

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3.3. (a) Membru în colectivele de redacție sau comitete științifice ale revistelor și manifestărilor științifice, organizator de manifestări științifice/(b) Recenzor pentru reviste și manifestări științifice naționale și internaționale indexate ISI	3.3.1 indexate ISI - 10	1. Membru al comitetului de organizare al unei manifestări științifice internaționale - ModTech International Conference - Modern Technologies in Industrial Engineering, 2016÷2023, http://modtech.ro/conference/conference-committees.php	10
		2. Recenzor 15 lucrări – MDPI (Energies, Applsci, Processes, Machines, Water, Sustainability, Lubricants), 2022, 2023, https://susy.mdpi.com/user/reviewer/status/finished	10
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		3. Membru al comitetului științific al unei manifestări științifice internaționale - International Conference on Engineering Graphics and Design ICEGD, 2019, 2024 http://mecanica.ucv.ro/ViataAcademica/Conferinte/ICEGD2019/committees.html	8
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9. Recenzor 5 lucrări - International Conference on Engineering Graphics and Design ICEGD, 2019, http://mecanica.ucv.ro/ViataAcademica/Conferinte/ICEGD2019/index.html	8		
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	3.3.3 naționale și internaționale neindexate - 5	1. Recenzor 4 lucrări (2021) / 2 lucrări (2019) – The Annals of “Dunarea de Jos” University of Galati, Fascicle V, Technologies in Machine Building, ISSN 2668-4829 (Print) 2668-4888 (Online), XXXIX (XLIV), 2021, https://www.gup.ugal.ro/ugaljournals/index.php/tmb/issue/view/484	5
		2. Recenzor 1 lucrare - Iasi Polytechnic Institute Bulletin, Tome 67 (71), Number 4, ISSN 1011-2855, 2021, https://cmmi.tuiasi.ro/tome-67-71-number-4-2021/	5
		3. Membru al comitetului de organizare - Sesiunea Națională de Comunicări Științifice Studentești “Anghel Saligny”, Univ. „Dunărea de Jos”, Galați, România, 2019-2022, https://www.scss.ugal.ro/2022/index.php/comitet-de-organizare-ing	5
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3.5 Premii	3.5.2 ASAS, AOSR, academiile de ramură și CNCS - 15	1. Premiu pentru articolul Optimization of the measurement path for the car body parts inspection, V.G. Teodor, V. Păunoiu, N. Baroiu, F. Susac, Measurement, Vol.146, pp. 15-23, 2019, ISSN 0263-2241, https://doi.org/10.1016/j.measurement.2019.06.002 Premiul a fost acordat de UEFISCDI în cadrul PNCDI III - Programme 1 - Subprogramme 1.1. Human Resources Rewarding research results – articles; PRECISI-2019 (PN-III-P1-1.1-PRECISI-2019-36799) https://uefiscdi.gov.ro/resource-823994?&wtok=&wtkps=XY1BD0IwEEXv0rXUTkuhGe5gTDwBtAUbQaQVwRjvbunG6Gp+Ju/9X2OBr4ACSXCGVAFzQNKtUvLgV99MTW/PeesG+WTFZchgFqDDIIFijWLRJkTebZcjkCF2KVNIIJVDUZObUCIx5nY9nvaiZFxxaRKRIS/nx0HkAJAgEi1MlmHPwcYkl8w7i427cY0jGbuLR19R2fbuqCNow9nF1r7u9NjT6r3Bw==&wchk=854f8b01b084d6de89829e85f32b9f85de8c1af5	15
		1. III Award – Section A – Engineering of Manufacturing Processes - N. Baroiu, G.A. Moroșanu, V.G. Teodor, R.S. Crăciun. V. Păunoiu, Use of reverse engineering techniques for inspecting screws surfaces of helical hydraulic pump, International Conference Modern Technologies in Industrial Engineering - ModTech 2022, Mamaia, Romania, https://modtech.ro/#gsc.tab=0	10
	2. III Award – Section A – G.A. Moroșanu, V.G. Teodor, N. Baroiu, Profiling of the hob mill tool for generating a profile known in discrete form, International Conference Modern Technologies in Industrial Engineering - ModTech 2023, București, Romania, https://modtech.ro/#gsc.tab=0	10	
	3.5.4 premii naționale în domeniu - 5	1. Medalia de aur și Trofeul UGAL INVENT la Salonul Inovării și Cercetării UGAL INVENT, Galați, România, 2023, pentru “Matriță pentru ambutisare hidraulică”, Autori: V. Păunoiu, V.G. Teodor, N. Baroiu, Florin Susac, https://invent.ugal.ro/2023/Premii-acordate_UGAL-INVENT-2023_20.11.pdf	5
		2. Medalia de aur la Salonul Inovării și Cercetării UGAL INVENT, 10-12 Noiembrie 2021, Galați, România, pentru “Matriță de ambutisare cu controlul cinetostatic al deformării”, Autori: V. Păunoiu, V.G. Teodor, N. Baroiu, G.A. Moroșanu (Costin), http://www.invent.ugal.ro/ROawards2021.html	5
		3. Diploma de excelență pentru contractul de cercetare aplicativă “Analiza spectroscopică a amestecului poliil-izocianat și studiu cu privire la magnetizarea rotoarelor din linia de asamblare pneumatică a componentelor micromotoarelor electrocasnicelor”, Gala Cercetării de Excelență la Universitatea „Dunărea de Jos” din Galați - CEREX 2022, Universitatea “Dunărea de Jos” din Galați, România, https://cercetare.ugal.ro/evenimente-	5

		stiintifice/gala-cercetarii-de-excelenta-cerex-udjg	
3.6 Membru în academie, organizații, asociații profesionale de prestigiu, naționale și internaț., apartenență la organizații din domeniul educației și cercetării	3.6.3 Conducere asociații profesionale naționale - 10	1. Președinte, membru fondator - ASOCIAȚIA „GEO-CYBERNETICA ȘI INGINERIA MEDIULUI SEC. XXI” (AGCIM-XXI), Numărul și data înscrierii în registrul special: 50/04.11.2014	10
		2. Vicepreședinte, membru fondator - ASOCIAȚIA „AEH CLUB”, Numărul și data înscrierii în registrul special: 151518 / 29.02.2016	10
		3. Vicepreședinte AGIR – Asociația Generală a Inginerilor din România, Sucursala Galați https://www.galati.agir.ro/conducere.php	10
	3.6.4 Asociații profesionale internaționale / naționale – 5 / 3	1. Professional Association in Modern Manufacturing Technologies - ModTech	5
		2. SORGING – Societatea Română de Grafică Inginerească, membru	3
		3. SRR – Societatea de Robotică din România, Filiala Galați - membru	3
		4. AUIF – Asociația Universitară de Ingineria Fabricației, Filiala Galați - membru	3
		5. SIAR – Societatea Inginerilor de Automobile din România - membru	3
Total criteriul A3			416.24

Data,
20.11.2023

Semnătura,
Conf. univ. dr. ing. Nicușor BAROIU

