

UNIVERSITATEA “DUNĂREA DE JOS” DIN GALAȚI

Facultatea de Inginerie

Departamentul Ingineria Fabricației

Concurs pentru ocuparea postului de Profesor, poz. 7

Disciplinele postului: Scule și dispozitive II; Acționări hidraulice și pneumatice/Acționări hidraulice și pneumatice; Acționări hidraulice și pneumatice

Domeniul postului: Inginerie industrială

Publicat în Monitorul Oficial al României, Partea a III-a, Nr. 395, din data de 28.11.2024

FIȘA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR MINIMALE pentru ocupare posturi didactice și de cercetare

I. DATE DESPRE CANDIDAT

NUME: BAROIU; PRENUME: NICUȘOR

Postul pentru care candidează: Profesor

Departamentul: Ingineria Fabricației

Poziția în Statul de funcțiuni: 7

Facultatea de Inginerie

II. DATE PRIVIND ÎNDEPLINIREA CONDIȚIILOR DE CONCURS - CRITERII SPECIFICE PRIVIND OCUPAREA POSTURILOR VACANTE STABILITE DE FACULTATEA DE INGINERIE PE PERIOADĂ NEDETERMINATĂ

Nr. crt.	Profesor - PERIOADĂ NEDETERMINATĂ				
	Standard	Indicator de performanță	Punctaj (p)	Grad de îndeplinire	
				DA	NU
1	Îndeplinirea standardelor minimale naționale de ocupare a posturilor didactice, specifice funcției de profesor universitar, stabilite de CNATDCU și aprobate prin OMECS 6129/2016	-	Condiție eliminatorie	X	
2	Articole publicate, de la ultima promovare, în reviste cotate Web of Science, autor principal	min. 2	Condiție eliminatorie	X	
3	Articole publicate, de la ultima promovare, în reviste Web of Science clasificate în zona roșie sau galbenă	min. 1	Condiție eliminatorie	X	

Data,
08.01.2024

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

UNIVERSITATEA “DUNĂREA DE JOS” DIN GALAȚI

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Facultatea de Inginerie

II. DATE PRIVIND ÎNDEPLINIREA CONDIȚIILOR DE CONCURS

1. DOCTORAT

Doctor în științe în domeniul Inginerie industrială; Confirmat prin Ordinul Ministrului Educației nr. 5581MD din 03.12.2013, DIPLOMA DE DOCTOR Seria I, Nr. 0005277

2. Îndeplinirea condițiilor privind ocuparea funcțiilor didactice și de cercetare vacante, prevăzute la cap. III (art.16) din Metodologia privind ocuparea posturilor didactice și de cercetare a Universității “Dunărea de Jos” din Galați:

(a) deținerea diplomei de doctor

Diplomă de doctor Seria I, Nr. 0005277, confirmată prin Ordinul Ministrului Educației nr. 5581MD din 03.12.2013 - **criteriu îndeplinit**

(b) deținerea atestatului de abilitare sau deținerea calității de conducător de doctorat, atestată prin Ordin de ministru

Atestat de abilitare, confirmat prin Ordinul Ministrului Educației nr. 5471 din 09.07.2027 - **criteriu îndeplinit**

(c) îndeplinirea standardelor minimale naționale necesare și obligatorii pentru ocuparea funcției de profesor universitar, stabilite de CNATDCU prin Ordin al ministrului educației - **criteriu îndeplinit**

(e) îndeplinirea standardelor de ocupare a posturilor didactice, specifice funcției, aprobate de senatul universitar, fără impunerea unor condiții de vechime, conform legii - **criteriu îndeplinit**

Condiții minimale naționale ***	Profesor/Domeniul Inginerie industrială			
	Punctaj minimal impus	Punctaj propriu	Gradul de îndeplinire	
			DA	NU
A1. Activitatea didactică și profesională	Minim 130 puncte	223.58	X	
A2. Activitatea de cercetare	Minim 300 puncte	720.36	X	
A3. Recunoașterea și impactul activității	Minim 100 puncte	474.86	X	
TOTAL	530 puncte	1418.80	X	

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

Condiții minimale obligatorii pe subcategorii [Număr]	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: (februarie 2019) Minimum 8 articole, din care 3 în reviste, minimum 3 ca autor principal (1 articol din zona roșie sau galbenă)	TOTAL: 20 5 – prim autor; 15 – coautor (18 în reviste) dintre care: - 3 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	TOTAL: 32 13 – prim autor; 19 – 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	TOTAL: 23 4 – director; 1 – responsabil partener; 1 – responsabil partener proiect component 17 – membru

*) 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, Zentrallblatt, 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. 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, 105 pag.	105/(5*1) 21
		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) 5.06
		3. V.G. Teodor, N. Baroiu , F. Susac, Die Synthese neuer Algorithmen fur 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
		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
		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
		8. 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
		9. 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
	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) 4.76
		3. V. Alexandru, N. Baroiu , O. Abrudan, S. Bejenaru, M. Simionica, 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	219/(10*3) 7.3
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, Etnășări 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) 4.4
		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 program studii)			15
	Coordonare program de studii TCM (la Buzău), învățământ dual (director program studii)			15
1.4 Dezvoltare de noi discipline - 10	1. Dezvoltare disciplină Acționări hidraulice și pneumatice - TCM, AR, IM, IEI, EM, EPAE, IEC anul III, 2020-2021			10
	2. Dezvoltare disciplină Antreprenoriat - IEI, anul III, 2021-2022			10
1.5 Proiecte educaționale (ERASMUS, Leonardo etc.) 10• (ani desfășurare)	CEEPUS BG-0703 - 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/0703-1819			50
	CEEPUS PL-0033 - Development of mechanical engineering (design, technology and production management) as an essential base for progress in the area of small and medium companies' logistics - research, preparation and implementation of joint programs of study in the aspect of Industry 4.0), cu începere din 2024 (Responsabil partener rețea), https://www.ceepus.info/nw/0033-2425			10
Total criteriul A1				223.58
2.1 Articole indexate în reviste ISI Thomson Reuters și în volumele unor manifestări științifice indexate ISI Thomson Reuters, vizibile în baza de date	Articole indexate în reviste ISI Thomson Reuters cu/fără Factor de Impact, vizibile în baza de date – <i>de la ultima promovare (februarie 2019)</i>	1. V. Păunoiu, V.G.Teodor, N. Baroiu , G.A. Moroșanu, A. Epureanu, A. Gavrus, Contribution to the formability improvement in sheet metal stamping by a novel technique to control press kinetics, Mechanics & Industry, 25 (19), pp. 1-9, ISSN: 2257-7777, Impact Factor: 1.2, Q3, 2024, WOS:001248171300001, https://doi.org/10.1051/meca/2024015		(30+10*1.2)/6 7
		2. E.F. Beznea, N. Baroiu , I. Chirică, The influence of the delamination location on the bending behavior of E-Glass fiber EWR flat plates, Revista de Materiale Plastice, Vol. 61(2), pp. 43-62, ISSN 0025-5289, Impact Factor: 0.6, Q4, 2024, WOS:001266770600004, https://revmaterialeplastice.ro/Articles.asp?ID=5718		(30+10*0.6)/3 12
		3. N. Baroiu , G. Novac, V. Tăbăcaru, G.A. Moroșanu, Development cycle of machining operations on an educational CNC machine, International Journal of Education and Information Technologies, 18, pp. 44-54, ISSN: 2074-1316, Impact Factor: 0.6, Q3, 2024, WOS:001268561600001, https://npublications.com/journals/articles.php?id=580		(30+10*0.6)/4 9

<p>Pentru reviste: (30 + 10 • factor de impact)/(nr. de autori)</p>	<p>4. R.S. Crăciun, V.G. Teodor, N. Baroiu, V. Păunoiu, G.A. Moroșanu, Study of cutting forces in drilling of aluminum alloy 2024-T351, <i>Machines</i>, 12(12), 937, pp. 1-21, ISSN: 2075-1702, Impact Factor: 2.1, Q2, 2024, WOS:001384680600001, https://doi.org/10.3390/machines12120937</p>	<p>(30+10*2.1)/5 10.2</p>
	<p>5. N. Baroiu, V.G. Teodor, V. Păunoiu, G.A. Moroșanu, I.C. Dumitrescu, Reverse Engineering Used to Profile a Gerotor Pump Rotor, <i>Applied Science</i>, 13(19), 11069, pp. 1-23, ISSN: 2076-3417, Impact Factor: 2.5, Q1, 2023, WOS:001097454600001, https://doi.org/10.3390/app131911069</p>	<p>(30+10*2.5)/5 11</p>
	<p>6. G.A. Moroșanu, V.G. Teodor, N. Baroiu, The Profiling of Hob Mill Used for Generating a Cycloidal Reducer's Disk, <i>Machines</i>, 11(5), 518, pp. 1-21, ISSN: 2075-1702, Impact Factor: 2.1, Q2, 2023, WOS:000998039000001, https://doi.org/10.3390/machines11050518</p>	<p>(30+10*2.1)/3 17</p>
	<p>7. V. Păunoiu, V.G. Teodor, C. Afteni, G. Costin, N. Baroiu, Application of 3D scanning in inspection of the automotive body parts, <i>Ingenieria Automobilului</i>, 62 (1), pp. 9-13, ISSN: 1842-4074, Q4, 2022, WOS:000782908700003, http://siar.ro/wp-content/uploads/2022/04/rIA-62-1.pdf</p>	<p>(30+10*0)/5 6</p>
	<p>8. 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, Q1, 2022, WOS:000774972000001, https://doi.org/10.3390/inventions7010010</p>	<p>(30+10*3.4)/5 12.8</p>
	<p>9. 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, Q4, 2021, WOS:000744132400008, https://revmaterialeplastice.ro/pdf/16%20BEZNEA%204%2021.pdf</p>	<p>(30+10*0.782)/ 3 12.61</p>
	<p>10. 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, Q2, 2021, WOS:000667166000001, https://www.mdpi.com/2411-5134/6/2/34/pdf</p>	<p>(30+10*0)/4 7.5</p>
	<p>11. 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, Q3, 2021, WOS:000641766900019, https://doi.org/10.1002/masy.202000308</p>	<p>(30+10*0.913)/ 7 5.59</p>
	<p>12. 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, Q4, 2021, WOS:000637592900027, http://thermalscience.vinca.rs/pdfs/papers-2020/TSCI190531463B.pdf</p>	<p>(30+10*1.971)/ 4 12.43</p>
	<p>13. 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, Q4, 2020, WOS:000579452900016, https://revmaterialeplastice.ro/pdf/16BAROIU320.pdf</p>	<p>(30+10*0.593)/ 5 7.19</p>
	<p>14. 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, Q1, 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>

		15. E.F. Beznea, G. Coman, N. Baroiu , I. Chiriță, Influence of the thermal field on static behaviour of sandwich structures, Revista de Materiale Plastice, Vol. 56(1), pp. 110-114, ISSN 0025-5289, Impact Factor: 1.517, Q4, 2019, WOS:000464604100022, http://www.revmaterialeplastice.ro/pdf/22%20BEZNEA%20E%20I%202019.pdf	(30+10*1.517)/ 4 11.29
		16. 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%20I%202019.pdf	(30+10*1.517)/ 5 9.03
		17. 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%20I%202019.pdf	(30+10*1.517)/ 4 11.29
		18. 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%20M%202019.pdf	(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)	19. 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	25/4 6.25
		20. 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	25/5 5
2.2. Articole în reviste și volumele unor conferințe indexate BDI 15/nr. de autori		1. G.Șt. Leoca, D. Boazu, C.C. Rusu, N. Baroiu , Graphical modeling of a band brake assembly with a pneumatic cylinder, Journal of Industrial Design and Engineering Graphics - JIDEG, Vol 19, No 2, pp. 33-42, ISSN 1843-3766, 2024, http://sorging.ro/jideg/index.php/jideg/article/view/373/352	15/4 3.75
		2. A.S. Sandu, V.L. Mereuță, R.A. Lefter, N. Baroiu , Wankel rotary engine in 3D printing, Journal of Industrial Design and Engineering Graphics - JIDEG, 18(2), pp. 44-49, ISSN: 1843-3766, 2023, http://sorging.ro/jideg/index.php/jideg/article/view/312/295	15/4 3.75

	3. V.G.Teodor, G.A. Moroșanu, N. Baroiu , Profiling of the hob mill tool for generating a profile known in discrete form, International Journal of Modern Manufacturing Technologies, XV(2), pp. 170-179, ISSN 2067–3604, 2023, https://ijmmt.ro/international-journal-ijmmt/vol15no22023	15/3 5
	4. N. Baroiu , D. Mâncilă, M.C. Gheonea, V.G. Teodor, Quality aspects in the welding of some elements of micro-motors in automotive and household appliances industry, The Annals of “Dunărea de Jos” University of Galati, Fascicle V, pp. 45-56, ISSN 1221-4566, 2023, https://doi.org/10.35219/tmb.2023.1.05	15/4 3.75
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	6. 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 ;	15/5 3
	7. 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, Vol. 368, 2022, https://doi.org/10.1051/mateconf/202236801022	15/5 3
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20. N. Baroiu , G.A. Costin, V.G.Teodor, N. Oancea, Algorithm for screws profiling of a trilobed compressor, IOP Conf. Series: Materials Science and Engineering 968, 012026, doi:10.1088/1757-899X/968/1/012026, 2020, https://iopscience.iop.org/article/10.1088/1757-899X/968/1/012030/pdf	15/4 3.75
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2.3. Articole in extenso în reviste/volumele unor manifestări științifice naționale/internaționale neindexate	1. G.A. Moroșanu, G.Șt. Leoca, D. Boazu, N. Baroiu , Analysis of a pneumatic band braking system for industrial winches, Proceedings of the 31st International Conference on Hydraulics, Pneumatics, Sealing Elements, Precision Mechanics, Tools, Specific Electronic Equipment & Mechatronics - HERVEX 2024, November 13-15, 2024, Băile Govora, Romania, pp. 36-48, ISSN 1454-8003, 2024, https://fluidas.ro/hervex/proceedings/proceedings2024.pdf	4/4 1
6/nr. autori (reviste) 4/nr. autori (volume conferințe)	2. N. Baroiu , V. Păunoiu, V.G. Teodor, G.A. Moroșanu, M. Geru, CAD tools, reverse engineering, 3D measuring and artificial neural networks in axial piston pumps study, Proceedings of the 30rd International Conference on Hydraulics and Pneumatics, Sealing Systems, Precision Mechanics, Tools, Specific Electronic Devices & Mechatronics - HERVEX 2023, November 08-10, 2023, Băile Govora, Romania, pp. 20-30, ISSN 1454-8003, 2023, https://fluidas.ro/hervex/proceedings/proceedings2023.pdf	4/5 8.00

		3. 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	4/6 0.66
		4. N. Baroiu , V. Păunoiu, K. Berkas, M.R. Sari, E.F. Beznea, Evaluation of temperature of the axial piston hydraulic motor by infrared thermography, Proceedings of 2019 International Conference on Hydraulics and Pneumatics – HERVEX, ISSN 1454-8003, pp. 24-31, 2019, https://fluidas.ro/hervex/proceedings2019/pp.24-31.pdf	4/5 0.80
2.4. Proprietate intelectuală, brevete de invenție și inovație etc. Naționale - 20/nr. de autori		1. Brevet nr. 128719, Echipament reconfigurabil de ambutisare. Autori: V. Păunoiu N. Baroiu , C. Maier, A. Epureanu, V. Marinescu, 2016	20/5 4
		2. Brevet nr. 127177, Procedeu și dispozitiv pentru ascuțirea hiperboloidală a burghiilor elicoidale multitaș cu muchii de așchiere în arc de cerc. Autori: V.G. Teodor, N. Baroiu , C. Fetecău, S. Berbinschi, N. Oancea, 2017	20/5 4
		3. Brevet nr. 131777, Matriță pentru ambutisare hidraulică, Autori: V. Păunoiu, V.G. Teodor, N. Baroiu , F. Susac, 2023	20/4 5
		4. Brevet nr. 133326, Matriță pentru ambutisare hidraulică cu membrană elastică. Autori: V. Păunoiu, V.G. Teodor, N. Baroiu , 2024	20/3 6.66
		5. Brevet nr. 135048, Matriță de ambutisare cu controlul cinetostatic al deformării. Autori: V. Păunoiu, V.G. Teodor, N. Baroiu , G.A. Costin, 2024	20/4 5
2.5a. Granturi/proiecte de cercetare câștigate prin competiție sau contracte cu mediul socio-economic (în valoare de minimum 25000 lei, (justificată cu documente care să ateste încasarea sumei)	2.5.1a. Director / Responsabil Naționale - 10• val/(10 mii €)	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	10*5085/ (10000) 5.09
		2. Contract de cercetare aplicativă cu agenți economici din România nr. 797/16.11.2022, "Analiza spectroscopică a amestecului polioli-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	10*5292/ (10000) 5.29
		3. 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 reperetele din industria de automobile – FAMCRIA", 17.000,00 lei =17.000,00 /4,66=3.648,07 Euro	10*3648/ (10000) 3.65
	2.5.2a. Membru în echipă Naționale - 2•nr. ani participare în	1. 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	2*2 4
		2. 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	2*1 2

	proiect	3. 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	2*1 2
		4. Proiect PN II - 31070/14.09.2007, "Studii și cercetări pentru stabilirea conținutului hărților de risc. Realizarea modelului digital al terenului pentru managementul riscului în zona Dunării de Jos" - RISK GAL (2007-2010) - 3 ani, 720.000,00 lei =720.000,00 /3,356=214.547,51 Euro	2*3 6
		5. Proiect prin Programul Cercetare de Excelență CEEX 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
2.5b. 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)	2.5.1b. Director / Responsabil Naționale - 10• val/(10 mii €)	1. Proiect POCU/379/6/21/Operațiune compozită OS. 6.7, 6.9, 6.10, Atragerea de candidați (viitori studenți) la învățământul terțiar universitar ingineresc și pregătirea lor pentru cerințele pieței muncii actuale, Cod depunere: SMIS 124651, perioada de desfășurare – iun. 2019 - iun. 2021 (iul. 2022) – Responsabil partener 833.683 RON = 833.683,00 /4,77=174.776,31 Euro	10*174776/ (10000) 174.78
		2. Proiect CNFIS-FDI-2018-0132, "Dezvoltare, adaptare și transformare în antreprenoriat studențesc" - DATAS (2018) – Director proiect; 149.500 RON = 149.500/4.65=32.151 Euro	10*32151/ (10000) 32.15
		3. Proiect CNFIS-FDI-2017-0542, „Antreprenoriat modern și eficient pentru studenții și absolvenții UDJG. SAS-UGAL” (2017) – Director proiect 94.360 RON = 94.360/4.65=20.292 Euro	10*20292/ (10000) 20.29
	2.5.2b. Membru în echipă Internaționale - 4•nr. ani participare în proiect	1. Proiect STEM for Inclusive Schools, Program Erasmus+, cod 2023-1-DE03-KA220-SCH-000151162 (2023-2026) - 3 ani	4*3 12
		2. Proiect STEAM Education and Learning by Robotics, 3D and Mobile Technologies - FabLab SchoolNet, Program Erasmus+, cod 2018-1-LT01-KA201-047064 (2018-2021) - 3 ani	4*3 12
		3. Proiect 2017-3071/001-001 ERASMUS +, Capacity Building in Higher Education, Project reference number – 586035-EPP-1-2017-1-DZ-EPPKA2-CBHE-JP cu titlul: The Algerian National Laboratory for Maintenance Education, (ANL MEd) - (2018-2021) - 3 ani	4*3 12
	Naționale - 2•nr. ani participare în proiect	1. Proiect CNFIS-FDI-2023-F-0225, "Antreprenoriat inovativ în contextul Industry 5.0" (2023) - 1 an	2*1 2
		2. Proiect CNFIS-FDI-2022-0342, „Antreprenoriat inovativ în contextul implementării Pactului Verde European” (2022) - 1 an	2*1 2
		3. Proiect CNFIS-FDI-2021-0324, "Îmbunătățirea calității educației antreprenoriale a studenților la UDJG" – IQSEE (2021) - 1 an	2*1 2
		4. Proiect CNFIS-FDI-2020-0406, "Transpunerea rezultatelor cercetărilor realizate în Universitatea „Dunărea de Jos” din Galați (UDJG) în inițiative antreprenoriale" – TRECIA (2020) - 1 an	2*1 2
		5. Proiect CNFIS-FDI-2019-0309, “Competențe și abilități antreprenoriale pentru studenți” - CAAS (2019) - 1 an	2*1 2
		6. Proiect POSDRU - 161/2.1/G/136624, “Proiectează-ți cariera!” (2014-2015) - 1 an	2*1 2

		7. Proiect POSDRU - 60/2.1/S/34217, “PLM Adaptor” (2010-2011) - 1 an	2*1 2
		8. Proiect Phare 016-772.04.02.02.01.01.226, Program de instruire pentru dezvoltarea abilităților în proiectarea asistată de calculator (2007) - 1 an	2*1 2
		9. Grant CNCSIS tip A, 21/2004, Studii și cercetări asupra tribologiei și eficacității etanșărilor mobile fără contact (2004) - 1 an	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			720.36
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	<p>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</p> <p>1. (citează) N.K. Ayhan, G. Torgut, Structural, dielectric, and electrical properties of chitosan composites doped with silver for electrochemical applications, Chemistryselect, ISSN: 2365-6549, Vol. 9(44), 2024, Impact Factor: 1.9, poziția 32, WOS:001369963300001, https://doi.org/10.1002/slct.202404348</p> <p>2. (citează) A. Aydinoglu, Enhancing orthopedic outcomes: A comparative analysis of gentamicin sulphate and nanosilver in bone cement, HELIYON, eISSN: 2405-8440, Vol. 10(15), pp. 550-564, 2024, Impact Factor: 3.4, poziția 17, WOS:001283508800001, https://doi.org/10.1016/j.heliyon.2024.e35189</p> <p>3. (citează) H.M. Xiao, L. Wang, N.T. Bu, J. Duan, J. Pang, Title: Electrospun Photodynamic Antibacterial Konjac Glucomannan/Polyvinylpyrrolidone Nanofibers Incorporated with Lignin-Zinc Oxide Nanoparticles and Curcumin for Food Packaging, FOODS, eISSN: 2304-8158, Vol. 13(13), pp. 1-15, 2024, Impact Factor: 4.7, poziția 12, WOS:001268013500001, https://doi.org/10.3390/foods13132007</p> <p>4. (citează) A.T. Reda, S. Lim, S.S. Choi, Y.T. Park, Fabrication and characterization of Zn-hydroxy double salt-loaded composite: Antimicrobial and flame-retardancy properties, MATERIALS TODAY CHEMISTRY, ISSN: 2468-5194, Vol. 38, Article Number: 102068, pp. 1-12, 2024, Impact Factor: 6.7, poziția 30, WOS:001236362500001, https://doi.org/10.1016/j.mtchem.2024.102068</p> <p>5. (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</p> <p>6. (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</p>	(10/4)*19 47.5

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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	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÷2024, http://modtech.ro/conference/conference-committees.php	10
		2. Recenzor 21 lucrări – MDPI (Energies, Applsci, Processes, Machines, Water, Sustainability, Lubricants, Designs, Sensors, Fluids), 2022, 2023, 2024, https://susy.mdpi.com/user/reviewer/status/finished	10
	3.3.2 indexate BDI - 8	1. Membru al comitetului de organizare / științific al unei manifestări științifice internaționale - International Conference on Advanced Manufacturing Engineering and Technologies – NewTech, 2020 (Romania) și 2022 (France), https://www.newtech2020.ugal.ro/comitete.html , https://newtech2022.sciencesconf.org/resource/page/id/3	8
		2. Membru al comitetului de științific al unei manifestări științifice internaționale - 26th International Conference on Hydraulics, Pneumatics, Sealing Elements, Precision Mechanics, Tools, Specific Electronic Equipment & Mechatronics - HERVEX 2022, 2023, 2024, https://hervex.ro/committees/	8
		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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		11. Recenzor 1 lucrare - XXIIInd National Conference on Thermodynamics - NACOT, 22-24 May 2019; http://www.stim.ugal.ro/Items/News/2019-NACOT/2019-NACOT.htm	8	
		3.3.3 naționale și internaționale neindexate - 5	1. 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
			2. 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, academiilor 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 . 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=XY1BDoIwEEXv0rXUTkuhGe5gTDwBtAubQaQVwRjvbunG6Gp+Ju/9X2OBr4AC SXCGVAFzQNKtUvLgV99MTW/PeesG+WTFZchgFqDDIIIFijWLRJkTebZcjkBCF2KVNIJVDUZQbUCLx5nY9nvaiZFxxaRKRIS/nx0HkAJAgEiMlImHPwcYkI8w7i427cY0jGbuLR19R2fbuqCNow9nF1r7u9NjT6r3Bw==&wchk=854f8b01b084d6de89829e85f32b9f85de8c1af5	15	

	3.5.3 premii internaț. - 10	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 contract cercetare aplicativă “Analiza spectroscopică a amestecului polioli-izocianat și studiu cu privire la magnetizarea rotoarelor din linia de asamblare pneumatică a componentelor micromotoarelor electrocasnicelor”, Gala Cercetării de Excelență - CEREX 2022, Universitatea “Dunărea de Jos” din Galați, România, https://cercetare.ugal.ro/evenimente-stiintifice/gala-cercetarii-de-excelenta-cerex-udjg	5
3.6 Membru în academiilor, organizațiilor, asociațiilor 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			474.86

Data,
08.01.2024

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