

FISA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR MINIMALE CNATDCU-PROFESOR

Domeniul fundamental: Științe inginerești

Domeniul: Inginerie aerospațială, autovehicule și transporturi

Candidat : conf. dr. ing. Răzvan UDROIU

Ultima promovare a avut loc în data de 01.10.2008 conform Ordinului Ministrului nr. 4966/31 .07.2008.

Centralizator - Condiții minime privind punctajul

Nr. crt.	Domeniul de activitate	Condiții minime pentru Profesor / Abilitare	Punctaj realizat
1.	Activitatea didactică și profesională (A1)	180 puncte	451,4 puncte
2.	Activitatea de cercetare (A2)	200 puncte	1138,04 puncte
3.	Recunoașterea și impactul activității (A3)	100 puncte	3256,31 puncte
TOTAL:		480 puncte	4845,75 puncte

Centralizator de îndeplinire a standardelor minimale

Nr. crt.	Domeniul de activitate	Condiții minimale pentru Profesor / Abilitare	Realizat
1.	Activitatea didactică și profesională (A1)	Minim 180 puncte	451,4 puncte
		1.1 Carti si capitole in cărți de specialitate Profesor minimum 4.	6 cărți si capitole in cărți de specialitate, din care 4 ca prim autor
		1.2 Materiale didactice /lucrari didactice Profesor: Minimum 2 din care 1 prim autor.	3 manuale didactice , din care 1 ca prim autor
		1.2.2 Indrumare de laborator aplicatii; Profesor: Minimum 2 din care 1 prim autor.	5 indrumare de laborator aplicatii din care 2 ca prim autor
2.	Activitatea de cercetare științifică (A2)	Minim 200 puncte	1138,04 puncte
		2.1 Articole in extenso in reviste cotate ISI, proceedings ISI Thomson Reuters sau SAE Profesor : Minim 11 articole sau 60 puncte. Din care minim un articol in revista codata ISI	29 articole in extenso in reviste cotate ISI, proceedings ISI Thomson Reuters 782,62 puncte
		2.3 Articole publicate in reviste nationale si volumele unor manifestari stiintifice indexate In BDI recunoscute de comisia CNATDCU Profesor minim 30 puncte, minim 5 articole:	13 articole publicate in reviste nationale si volumele unor manifestari stiintifice indexate In BDI 148,3 puncte
		2.5 Granturi / proiecte câștigate prin competiție / de cercetare / consultanta pentru mediul economic Profesor Director/Responsabil minim 2 granturi sau valoare contracte cu mediul economic minim 200.000 lei	4 proiecte câștigate prin competiție în calitate de director
3.	Recunoașterea performanțelor profesionale și impactul activității (A3)	Minim 100 puncte	3256,31 puncte
		3.1 Citări in reviste ISI si BDI (fara autocitari) Profesor minimum 40 puncte	Citari in reviste ISI si BDI 2154,31 puncte
TOTAL:		Minim 480 puncte	4845,75 puncte

A1. ACTIVITATE DIDACTICĂ SI PROFESIONALĂ

Categoriile și restricții	Indicatori (kpi)	Denumire	Punctaj
1.1 Carti si capitole in cărți de specialitate			
1.1.1 Cărți / capitole ca autor in edituri nationale sau internationale. Conditii minimale Profesor minimum 4; Realizat 6 cărți/capitole din care 4 ca prim autor	1.1.1.1. Internaționale		
	nr. pag./(2-nr.autori)	1. Udroiou, R., Nedelcu, A., (2011). capitol "Chapter 1: Optimization of Additive Manufacturing Processes Focused on 3D Printing", in cartea "Rapid prototyping technology –principles and functional requirements", Editura InTech, Croatia, ISBN:978-953-307-970-7, 2011, 29 pag., https://www.intechopen.com/chapters/20714 , DOI: 10.5772/21433 Dovada	29/(2*3)= 4,83 p
		2. Udroiou, R.. (2016). capitol "Introductory Chapter: Integration of Computer-Aided Technologies" in cartea "Computer-aided Technologies. Applications in Engineering and Medicine", Editura IntechOpen Limited, London, U.K. ISBN:978-953-51-2788-8, 2016, 14 pag., https://www.intechopen.com/chapters/53083 , DOI: 10.5772/66202 Dovada	14/(2*1)= 7p
	3. Udroiou, R., Bere, P., (2018). capitol "Introductory Chapter: Product Lifecycle Management (PLM) and Human Lifecycle Management (HUM)" in cartea "Product Lifecycle Management. Terminology and Applications", Editura Intech Open Limited, London, U.K. ISBN:978-1-78984-543-3, 2018, 14 pag., https://www.intechopen.com/chapters/64122 , DOI:10.5772/intechopen.81686 Dovada	14/(2*2)= 3,5 p	
	1.1 .1 .2. Nationale (edituri recunoscute)		
	nr. pag./(5-nr.autori)	1. Udroiou R., Nedelcu A., Braga C., (2024). Tehnologii avansate de fabricatie. Tehnologii de inlaturare si redistribuire de material, Editura Universitatii Transilvania din Brasov, 240 pag. ISBN 978-606-19-1751-8 Dovada	240/(5*3)= 16 p
		2. Postelnicu A., Deliu Gh., Udroiou R., (2001). Teoria, performantele și construcția elicopterelor, Editura: Albastră, Grupul MicroINFORMATICA, ISBN:973-650-008-X, 2001, 401 pag. Dovada	401/(5*3)= 26,73 p

		3. Ivan, N. V., Berce, P., Drăgoi, M.,V., Oancea, Ivan, M.C., Gh., Bâlc, N., Lancea, C., Udroi, R., Vasiloni, M., Mihali, M., Ivan, C., (2004). Sisteme CAD/CAM/CAPP. Teorie și practică, Editura Tehnică, București, ISBN:973-31-1530-4, 2004, 404 pag.	404/(5*11)= 7,34 p <u>Dovada</u>
1.1 .2 Carti ca editor	1.1.2.1. Internationale		
Realizat 2 cărți ca editor in editură internațională	nr.pag./{3·nr.edit.}	1. Udroi, R., Bere, P., (2018). Product Lifecycle Management. Terminology and Applications Editura IntechOpen Limited, London, U.K. ISBN:978-1-78984-543-3, 2018, 121 pag., https://www.intechopen.com/books/7489 , DOI: 10.5772/intechopen.75972 <u>Dovada</u>	121/(3*2)= 20,16 p
		2. Udroi, R., (2016). Computer-aided Technologies. Applications in Engineering and Medicine. Editura IntechOpen Limited, London, U.K. ISBN:978-953-51-2788-8, 2016, 160 pag., https://www.intechopen.com/books/5379 , DOI: 10.5772/62618 <u>Dovada</u>	160/(3*1)= 53.33 p
	1.1 .2.2. Nationale		
	nr.pag./{7·nr.edit.}		
TOTAL1.1.			138,89 p
1.2 Materiale didactice /lucrari didactice			
1.2.1 Manuale didactice/monografii	nr.pag./{10·nr.autori}	1. Udroi, R., Materiale compozite. Tehnologii și aplicații în aviație, (2006). Editura: Universității Transilvania Brașov, ISBN:973-635-646-9, NrAutori:1, 318 pag.;	318/(10*1)= 31,8 p <u>Dovada</u>
Conditii minimale Profesor: Minimum 2 din care 1 prim autor.		2. Ivan, N.V., Păunescu, T., Udroi, R., Ivan MC, Găvrus, C., Pescaru, R. (2010). Tehnologia constructiilor de masini, vol.I, Teorie si abordari inovative, Editura Universitatii Transilvania ISBN:978-973-598-759-6, 2010, 455 pag.;	455/(10*6)= 7,58 p <u>Dovada</u>
Realizat 3 manuale didactice din care 1 ca prim autor		3. Nedelcu A, Udroi R., (2013). Automatizarea sistemelor de producție, Editura:LUX LIBRIS ISBN:978-973-131-240-8, 2013, 337 pag.	337/(10*2)= 16,85 p <u>Dovada</u>
1.2.2 Indrumare de laborator aplicatii;	nr.pag./{20·nr.autori}	1. Udroi, R. (2022). Sisteme CAD/CAM. Aplicatii in SolidWorks, Editura: Universității Transilvania din Brașov, ISBN: 978-606-19-1505-7, 2022, 200 pag.	200/20= 10p

Conditii minimale Profesor: Minimum 2 din care 1 prim autor. Realizat 5 îndrumare de laborator, aplicatii din care 2 ca prim autor		<p>2. Udroi, R. (2022). Sisteme CAD/CAPP/CAM. Aplicatii in CATIA V5, Editura: Universităţii Transilvania din Braşov, ISBN: 978-606-19-1506-4, 2022, 170 pag. Dovada</p> <p>3. Ivan, N., V., Drăgoi, M.,V., Păunescu T., Oancea, Gh., Lancea, C., Ivan, M., C., Lupulescu, N., Nedelcu, A., Udroi, R., (2002). Sisteme CAPP. Sisteme CAD/CAM şi optimizări tehnologice. Aplicaţii în construcţia de maşini, Editura: Universităţii Transilvania din Braşov, ISBN:973-9474-38-1, 2002, 277 pag. Dovada</p> <p>4. Drăgoi, M., V, Udroi, R., Vasiloni, A., M., (2003). Modelare 3D în AutoCAD 2002. Aplicatii practice, Editura:Albastră, Grupul Microinformatica, Cluj-Napoca, ISBN:973-650-111-6, 2003, 150 pag. Dovada</p> <p>5. Postelnicu, A., Udroi, R. (2000). Elicoptere – îndrumar de laborator, Editura: Universităţii Transilvania din Braşov, 2000, 150 pag. Dovada</p>	<p>170/20= 8,5p</p> <p>277/(20*9)= 1,53p</p> <p>150/(20*3)= 2,5p</p> <p>150/(20*2)= 3,75p</p>	
		Dovada	TOTAL 1.2.	82,51 p
	1.3 Organizare si coordonare programe de studii			
	1.3.1. Director/ Responsabil	10*(nr. ani de desfasurare)	1. Program de studii de licenţa: Construcţii aerospaţiale (2008-prezent) ,16 ani Dovada	16*10=160p
	1.3.2. Membru	3*(nr. ani de desfasurare)		
		TOTAL 1.3.	160 p	
1.4 Conducere proiecte de diploma si disertatie				
Max 50 puncte	1/1,5	174 proiecte de diplomă (174/1,5=116p) Dovada	50p	
1.5 Introducere discipline si laboratoare noi confirmate prin manuale si îndrumare publicate				
1.5.1 Discipline noi (maxim 40 puncte impreuna cu 1.5.2)	10	1. Disciplina Materiale compozite. Tehnologii si aplicaţii, Licenta CA, Departamentul Ingineria fabricaţiei, Facultatea de Inginerie Tehnologica si Management Industrial, Universitatea Transilvania din Braşov, 2008., confirmat prin cartea: „Udroi, R., Materiale compozite. Tehnologii	10 p	

		și aplicații în aviație, (2006). Editura: Universității Transilvania Brașov, ISBN:973-635-646-9, NrAutori:1, 318 pag” 6. Disciplina Elicoptere si sistemele elicopterelor, Licenta CA, Departamentul Ingineria fabricației, Facultatea de Inginerie Tehnologica si Management Industrial, Universitatea Transilvania din Brașov, 2008., confirmat prin cartea „Postelnicu A., Deliu Gh., Udriou R., (2001). Teoria, performantele și construcția elicopterelor, Editura: Albastră, Grupul MicroINFORMATICA, ISBN:973-650-008-X, 2001, 401 pag.” si indrumarul „Postelnicu, A., Udriou, R. (2000). Elicoptere – indrumar de laborator, Editura: Universității Transilvania din Brașov, 2000, 150 pag.”	10 p
1.5.2 Lucrari noi de laborator (maxim 40 puncte impreuna cu 1.5.1)	2/lucrare		
		TOTAL1.5.	20 p
1.6 Director / responsabil programe parteneriat academic international / ERASMUS			
Director/ Responsabil	20 / activitate	-	0 p
	Minimum 180p	Total punctaj pentru activitatea didactica și profesionala (A1): 138,89+82,51+160+50+20 =	451,4 p

A2. ACTIVITATEA DE CERCETARE ȘTIINTIFICĂ

Categorii și restricții	Indicatori (kpi)	Denumire	Punctaj
2.1 Articole in extensie in reviste cotate ISI, proceedings ISI Thomson Reuters sau SAE			
<p>Condiții minimale Minim 11 articole sau 60 puncte. Din care minim un articol in revista cotate ISI Profesor</p> <p>Realizat 29 articole ISI din care 13 in reviste ISI 9 ca autor principal 6 articole in reviste din zona roșie (Q1) și 3 articole in reviste din zona galbenă (Q2)</p>	<p>(25+ 20· factor de impact)/ (nr. de autori)</p> <p>Dovada lista 29 articole ISI Link: https://0a10quawn-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/suimary/c802da73-91d5-4249-9c98-b92480a3dcf9-0138ce50e2/relevance/1</p>	<p style="text-align: center;">Link Dovezi Articole poz1-13 indexate reviste ISI</p> <ol style="list-style-type: none"> Biruk-Urban, K. ; Bere, P ; Udroi, R. (autor correspondent); Józwik, J; Beer-Lech, K.,(2024). Understanding the Effect of Drilling Parameters on Hole Quality of Fiber-Reinforced Polymer Structures. Polymers 2024, 16, 16. FI=4,7; SRI=1,787 (Q1 zona roșie), WOS: 001305991700001 https://doi.org/10.3390/polym16162370 https://0a10qqczp-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:001305991700001 Roibu, A; Udroi, R; Abreu-Jauregui, C; Silvestre-Albero, J; Andronic, L (2024). Wavelength-dependent activity screening of reduced titania for photocatalytic degradation of imidacloprid in batch and flow-mode, Journal of environmental chemical engineering, 2024, 12, 3. FI=7,4; (Q1 zona roșie), WOS:001235954300001 https://doi.org/10.1016/j.jece.2024.112752 https://0a10qqczp-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:001235954300001 Udroi, R. (2024). Quality Analysis of Micro-Holes Made by Polymer Jetting Additive Manufacturing. Polymers 2024, 16, 32. FI=5; SRI=1,787 (Q1 zona roșie), WOS:001140537100001 https://doi.org/10.3390/polym16010032 https://0a10qqczp-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:001140537100001 	<p>(25+20 x 4,7)/5= 23,8 p</p> <p>(25+20 x 7,4)/5=34,6p</p> <p>(25+20 x 5)/1= 125 p</p>

		<p>4. Udroi, R. (2022). New Methodology for Evaluating Surface Quality of Experimental Aerodynamic Models Manufactured by Polymer Jetting Additive Manufacturing, <i>Polymers</i>, 14, 371, FI=4.967; SRI=2,037 (Q1 zona roșie), WOS: 000754916900001; https://doi.org/10.3390/polym14030371 https://0a10quawn-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000754916900001</p> <p>5. Udroi, R.; Braga, I.C. (2020). System Performance and Process Capability in Additive Manufacturing: Quality Control for Polymer Jetting, <i>Polymers</i>, 12, 1292, FI=3,426 , SRI=1,957 (Q1 zona roșie) , WOS: 000554639700001; https://doi.org/10.3390/polym12061292 https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000554639700001</p> <p>6. Udroi, R.; Braga, I.C.; Nedelcu, A. (2019). Evaluating the Quality Surface Performance of Additive Manufacturing Systems: Methodology and a Material Jetting Case Study. <i>Materials</i>, 12, 995, FI=2,972; SRI=1,405 (Q2 zona galbena) , WOS: 000465025400057; https://doi.org/10.3390/ma12060995 https://0a10quawn-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000465025400057</p> <p>7. Udroi, R.; Nedelcu, A., Deaky, B. (2011). Rapid manufacturing by polyjet technology of customized turbines for Renewable energy generation, <i>Environmental Engineering and Management Journal</i>, 10 (9), 1387, FI 1,435 (Q3), WOS:000296758400023; https://doi.org/10.30638/eemj.2011.197 https://0a10quawn-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000296758400023</p> <p>8. Udroi, R.; Deaconu, A.M.; Nanau, C.-Ș. (2021). Data Delivery in a Disaster or Quarantined Area</p>	<p>(25+20 x 4,967)/1= 124,34 p</p> <p>(30+20 x 3,426)/2= 49,26 p</p> <p>(30+20 x 2,972)/3= 29,81 p</p> <p>(30+20 x 1,435)/3= 19,68 p</p> <p>(30+20 x 3,576)/3=</p>
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		<p>Divided into Triangles Using DTN-Based Algorithms for Unmanned Aerial Vehicles. Sensors, 21, 3572, FI=3.576 (Q1 zona roșie) , WOS: 000660665200001; https://doi.org/10.3390/s21113572 https://0a10quawn-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000660665200001</p>	33,84 p
		<p>9. Sabău, E.; Udroi, R. (autor correspondent); Bere, P.; Buranský, I.; Miron-Borzan, C.-Ș. A (2020). Novel Polymer Concrete Composite with GFRP Waste: Applications, Morphology, and Porosity Characterization. Appl. Sci., 10, 2060, FI=2,474, SRI=0.992 (Q2 zona galbena) , WOS: 000529252800161; https://doi.org/10.3390/app10062060 https://0a10quawn-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000529252800161</p>	(30+20 x 2,474)/5= 15,89 p
		<p>10. Bere, P.; Neamtu, C.; Udroi, R. (2020). Novel Method for the Manufacture of Complex CFRP Parts Using FDM-based Molds. Polymers, 12, 2220, FI=3,426, SRI=1,957 (Q1 zona roșie) , WOS: 000586198100001; https://doi.org/10.3390/polym12102220 https://0a10quawn-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000586198100001</p>	(30+20 x 3,426)/3= 32,84 p
		<p>11. Zaharia, S.M.; Pop, M.A.; Udroi, R. (2020). Reliability and Lifetime Assessment of Glider Wing's Composite Spar through Accelerated Fatigue Life Testing. Materials, 13, 2310, FI=3,057, SRI=1,173 (Q2 zona galbena) , WOS: 000539277000102; https://doi.org/10.3390/ma13102310 https://0a10quawn-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000539277000102</p>	(30+20 x 3,057)/3= 30,38 p
		<p>12. Deaconu, A.M.; Udroi, R. (autor correspondent); Nanau, C.-Ș. (2021). Algorithms for Delivery of Data by Drones in an Isolated Area Divided into Squares. Sensors, 21, 5472, FI 3.576 (Q1 zona roșie) , WOS: 000690125700001;</p>	(30+20 x 3.576)/3= 33,84 p

		<p>https://doi.org/10.3390/s21165472 https://0a10quawn-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000690125700001</p> <p>13. Braga, I.C.; Udroui, R. (autor correspondent); Nedelcu, A. (2022). Novel Method for Failure Modes Detection in UV-Cured Clear Coated Polymer for Automotive Interior Mechatronic Devices. Polymers, 14, 3811. , FI=4.967, SRI=2,037 (Q1 zona roșie), WOS:000856724500001; https://doi.org/10.3390/polym14183811 https://0a10quawn-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000856724500001</p>	(30+20 x 4.967)/3= 43,11 p
	<p>Proceedings ISI Thomson Reuters 25/(nr.de autori)</p>	<p>Link_Dovezi_Articole_poz14-29_indexate_conferinte_ISI</p> <p>14. Udroui, R., Braga, I.C, (2017). Polyjet technology applications for rapid tooling, Matec Web Conf. Vol. 112, 2017, WOS: 000579349600046; https://doi.org/10.1051/matecconf/201711203011 https://0a10quawn-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000579349600046</p> <p>15. Udroui, R., (2017). Research regarding reverse engineering for aircraft components, Matec Web Conf. Vol. 94, WOS:000393034000012; https://doi.org/10.1051/matecconf/20179401012 https://0a10quawn-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000393034000012</p> <p>16. Udroui, R., Deaky, B., (2011). Optimization of additive manufacturing by 3d printing for fit and functional testing, Proceedings of the 5th international conference on manufacturing science and education (MSE 2011), Vol I, ISSN 1843-2522, 95, June 2-5, 2011, Sibiu, Romania, WOS:000393733400024; https://0a10quawn-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000393733400024</p>	<p>25/2=12,5p</p> <p>25/1=25p</p> <p>25/2=12,5p</p>

		<p>17. Udroi R., Mihail L., (2009). Experimental determination of surface roughness of parts obtained by rapid prototyping, Proceedings of the 8th WSEAS International Conference on Circuits, Systems, Electronics, Control & Signal Processing (CSECS '09), Puerto de la Cruz Tenerife, Canary Islands, Spain, December 14-16, 2009, Published by WSEAS Press, ISSN: 1790-5117, ISBN: 978-960-474-139-7, 283, WOS:000276789200050; https://0a10quawn-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000276789200050</p> <p>18. Udroi R., Nedelcu A. Stroia I., (2011). Application of rapid product development to pelton turbine, 15th International Conference Modern Technologies, Quality and Innovation - New face of TMCR, ModTech 2011 vol.II 25-27 May 2011, Vadul lui Voda-Chisinau, Republic of Moldova, WOS:000392260500280; https://0a10quawn-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000392260500280</p> <p>19. Udroi R., Dogaru, F., (2009). Rapid Manufacturing of Parts for Wind Tunnel Testing using Polyjet Technology. Annals of DAAAM for 2009 & Proceedings of the 20th International DAAAM Symposium, ISBN 978-3-901509-70-4, ISSN 1726-9679, 581, Vienna, Austria, 2009, WOS:000282335600291; https://0a10quawn-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000282335600291</p> <p>20. Udroi R., (2008). Integrated design and manufacturing system for blades mould. Annals of DAAAM for 2008 & Proceedings of the 19th International DAAAM Symposium, ISBN 978-3-901509-68-1, ISSN 1726-9679, 581, Vienna, Austria, 22-25th October 2008, WOS:000262860100708; https://0a10quawn-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000262860100708</p> <p>21. Braga, I.C; Udroi R.; Nedelcu, A. (2019). Improving the laser engraving quality of padpainted and spray-painted mechatronic devices, MATEC Web Conf., Vol. 299, 06004, WOS:</p>	<p>25/2=12,5p</p> <p>25/3=8,33p</p> <p>25/2=12,5p</p> <p>25/1=25 p</p>
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		22. Braga, I.C; Nedelcu, A.; Udroi, R. (2018). Studies on robotic testing equipment used in mechatronic devices manufacturing processes to improve the root cause analysis, MATEC Web Conf. Vol. 178, WOS:000570197900068; https://doi.org/10.1051/matecconf/201817805010 https://0a10quawn-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000570197900068	25/3=8,33p
		23. Braga, I.C, Nedelcu, A., Udroi, R., (2017). Studies of the laser etching on painted plastic parts to prevent the risks of engraving failures at mechatronic devices, Matec Web Conf. Vol. 137, WOS:000426604200036; Link articol: https://doi.org/10.1051/matecconf/201713703002 https://0a10quawn-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000426604200036	25/3=8,33p
		24. Braga, I.C, Nedelcu, A., Udroi, R., (2017). Risk reduction in dimension inspection of the plastic injection-molded parts from mechatronic devices by using optical 3D measuring techniques, Matec Web Conf. Vol. 94, WOS:000393034000044; https://doi.org/10.1051/matecconf/20179404001 https://0a10quawn-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000393034000044	25/3=8,33p
		25. Braga, I.C, Nedelcu, A; Udroi, R. (2017). Use of microscopy techniques in failure analysis of the plastic injection molded parts to prevent the risks of serial defects in the assembly processes, MATEC Web Conf. Vol. 112, 2017, WOS: 000579349600059; https://doi.org/10.1051/matecconf/201711204009 https://0a10quawn-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-	25/3=8,33p

		<p>record/WOS:000579349600059</p> <p>26. Deaky, B., Udroi, R., Lupulescu N., Bâlc N., (2011). Cylindrical Gear Rapid Manufacturing Study (Part I), 15th International Conference Modern Technologies, Quality and Innovation - New face of TMCR, ModTech 2011 vol.II 25-27 May 2011, Vadul lui Voda-Chisinau, Republic of Moldova, WOS:000392260500076; https://0a10quawn-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000392260500076</p> <p>27. Dogaru, F., Udroi, R., (2009). Instrumented Impact Testing of CFRP Composite Laminated Plates. 0637-0639, Annals of DAAAM for 2009 & Proceedings of the 20th International DAAAM Symposium, 2009, ISBN 978-3-901509-70-4, ISSN 1726-9679, pp 319, Editor Branko Katalinic, Published by DAAAM International, Vienna, Austria 2009, WOS:000282335600319; https://0a10quawn-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000282335600319</p> <p>28. Mihail, LA., Udroi, R. (2009). Dynamic mill deflection researches for the high speed machining with large tool overhang , Advances in manufacturing engineering, quality and production systems, vol. II, Book Series: Mathematics and Computers in Science and Engineering, 383, ISSN:978-960, 2009, WOS:000295540700023 https://0a10quawn-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000295540700023</p> <p>29. Manolescu A., Oancea Gh., Pescaru R., Udroi R. and Bădan I., (2011). Redesigning and manufacturing of damaged gears using innovative technologies, Proceedings of the 5th international conference on manufacturing science and education (MSE 2011), Vol I, ISSN 1843-2522, 317, June 2-5, 2011, Sibiu, Romania, WOS:000393733400078; https://0a10quawn-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000393733400078</p>	<p>25/4=6,25p</p> <p>25/2=12,5p</p> <p>25/2=12,5p</p> <p>25/5=5p</p>
		TOTAL Criteriu 2.1 = 782,62p	

2.2 Brevete de invenție			
2.2.1 Internaționale			
25/nr. de autori	-		Op
2.2.2 Naționale			
20/ nr. de autori	Dima, G, Balcu Gh, Udroi R. (2019), Suport motor turbopropulsor, Nr. RO129076 B1 http://pub.osim.ro/publication-server/pdf-document?PN=RO129076%20RO%20129076&iDocId=11922&iepatch=.pdf <u>Dovada</u>		20/3=6,66p
			Total Criteriu 2.2= 6,66 p
2.3 Articole publicate in reviste nationale si volumele unor manifestari stiintifice indexate In BDI recunoscute de comisia CNATDCU			
Condiții minimale Profesor minim 30 puncte, minim 5 articole: Realizat de la ultima promovare din 01.10.2008 13 articole indexate BDI	20/nr. de autori	<p style="text-align: center;"><u>Link Dovezi Articole poz1-13 indexate BDI</u></p> <ol style="list-style-type: none"> 1. Braga, I.C, Udroi R., Nedelcu, A. (2021). Estimating the warranty returns and proving root causes using statistical analysis of archived parameters measurements for an automotive mechatronic device, IOP Conference Series: Materials Science and Engineering. DOI 10.1088/1757-899X/1009/1/012009. Indexata Scopus https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-85099956336&origin=resultslist&sort=plf-f 2. Braga, I.C, Rusu, D., Udroi R., Nedelcu, (2016). A. Fast Response on Layers at Quality Issues as Part of Quality Management System in Automotive Manufacturing, Proceedings of the MakeLearn and TIIM Joint International Conference 2016,, ToKnowPress. Indexata in RePEK https://ideas.repec.org/h/tkp/mk1p16/225-232.html 3. Udroi R., (2010). Applications of additive manufacturing technologies for aerodynamic tests, Academic journal of manufacturing engineering, vol.8 issue 3/2010, ISSN 15837904, Indexata Scopus https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-79960229027&origin=resultslist&sort=plf-f 	<p>20/3=6,66 p</p> <p>20/4=5p</p> <p>20/1=20p</p>



		<p>4. Udroi, R., Serban, D.A., Belgiu G. (2010). Optimisation of rapid prototyping process for electrical vehicle manufacturing, Proceedings of the 3rd International Conference on Additive Technologies ICAT 2010, Nova Gorica, Slovenia, September, 22th – 24th, 2010, Publisher DAAAM International Vienna, ISBN 978-3-901509-75-9, ISSN 1992-5093, Indexata Scopus https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-84904438038&origin=resultslist&sort=plf-f</p> <p>5. Serban, D.A., Udroi, R., Belgiu G. (2010). Product creation development from innovative simulation methods to product life management system, Proceedings of the 3rd International Conference on Additive Technologies ICAT 2010, Nova Gorica, Slovenia, September, 22th – 24th, 2010, Publisher DAAAM International Vienna, ISBN 978-3-901509-75-9, ISSN 1992-5093, Indexata Scopus https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-84904410844&origin=resultslist&sort=plf-f</p> <p>6. Udroi, R., Ivan NV. (2010). Rapid Prototyping and Rapid Manufacturing Applications at Transilvania University of Braşov, Bulletin of the Transilvania University of Brasov - Series I: Engineering Sciences, indexata PROQUEST, EBSCO https://www.proquest.com/docview/870328747/148EE7649E434E06PQ/1?accountid=136549</p> <p>7. Udroi, R., (2013). Rapid product development of e-ticketing products for urban public transport, Academic journal of manufacturing engineering, vol.11 issue 3/2013, indexată EBSCO https://essentials.ebsco.com/search/eds/details/rapid-product-development-of-e-ticketing-products-for-urban-public-transport?query=Udroi%2C%20R.&db=edb&an=97897201</p> <p>8. Udroi, R., (2012). Powder bed additive manufacturing systems and its applications Academic journal of manufacturing engineering, vol.10 issue 4/2012, indexată EBSCO https://web.s.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&authtype=crawler&jrnl=15837904&AN=88315008&h=0oJyUXQ7J%2bkM17hibBcMkm8xZpX1%2fdskm8uTNMoPz</p>	<p>20/3=6,66p</p> <p>20/3=6,66p</p> <p>20/2=10p</p> <p>20/1=20p</p> <p>20/1=20p</p>
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		<p>8lrh1fIWPIHfAAURfDX8nW9CDx2XAGoQYObrEP8%2bXgZg%3d%3d&crl=c&resultNs=AdminWebAuth&resultLocal=ErrCrlNotAuth&crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d15837904%26AN%3d88315008</p> <p>9. Udroi, R., (2012). Applications of polymer jettting technology for functional testing of the innovative products, Academic journal of manufacturing engineering, vol.10 issue 3/2012, indexată EBSCO https://web.s.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&authtype=crawler&jrnl=15837904&AN=88304194&h=aQ3odghTklAI0Xnsn7DiEQWYS7ATFx2l4p0Ru%2f7kV9JD82aMzXKOOzIAEk5VyU3pSestUVadMwq5YKFgt7ZveQ%3d%3d&crl=c&resultNs=AdminWebAuth&resultLocal=ErrCrlNotAuth&crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d15837904%26AN%3d88304194</p> <p>20/1=20p</p> <p>10. Morariu C, Zaharia S, Udroi, R., (2012). The study of the bootstrap estimate accuracy in the case of exponential distribution, Academic journal of manufacturing engineering, vol.10 issue 2/2012, indexată EBSCO https://web.s.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&authtype=crawler&jrnl=15837904&AN=88304169&h=0l3lZEqB1xNwFiUEoBn4WWS7cZMR66XkCCwJHqMGHdfMylwg7zFC58YtZL%2fcaDJeJYapuKQuTqtmPWK5m%2b95OWg%3d%3d&crl=c&resultNs=AdminWebAuth&resultLocal=ErrCrlNotAuth&crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d15837904%26AN%3d88304169</p> <p>20/3=6,66p</p> <p>11. Angi N, Udroi R., (2015). Design of a LSA aircraft using advanced software, Scientific Research & Education in the Air Force - AFASES 2015, ISSN 2247-3173, indexată EBSCO https://essentials.ebsco.com/search/eds/details/design-of-a-lsa-aircraft-using-advanced-software?query=Design%20of%20a%20LSA%20aircraft%20using%20advanced%20software&requestCount=0&db=owf&an=103260785</p> <p>20/2=10p</p> <p>12. Braga C, Nedelcu A, Udroi R, (2016). Improving the Organizational Performance in Automotive Manufacturing by Using Fast Response on Layers at Quality Issues, Applied Mechanics and</p> <p>20/3=6,66p</p>	
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		<p>Materials, 2016, indexată Scientific.net, https://doi.org/10.4028/www.scientific.net/AMM.834.211 https://www.scientific.net/AMM.834.211</p> <p>13. Udroi R, Blaj M., (2016). Conceptual design of a VTOL remotely piloted aircraft for emergency missions, Scientific Research & Education in the Air Force - AFASES 2016, ISSN 2247-3173, indexată EBSCO, https://doi.org/10.19062/2247-3173.2016.18.1.27 https://essentials.ebsco.com/search/eds/details/conceptual-design-of-a-vtol-remotely-piloted-aircraft-for-emergency-missions?query=Conceptual%20design%20of%20a%20VTOL%20remotely%20piloted%20aircraft%20for%20emergency%20missions&requestCount=0&db=owf&an=117020342</p>	20/2=10p
Total puncte Criteriu 2.3 =148,3 p			
2.4 Articole publicate in reviste nationale si volumele unor manifestari stiintifice nationale si internationale neindexate			
	5/ nr. autori reviste	<p style="text-align: center;">Link_Dovezi_Articole_poz1-10_Reviste_neindexate</p> <p>1. Udroi R., (2014), Additive manufacturing technologies used for superalloys processing, Tehnologia Inovativa - Revista Constructia de Masini;NR. 3-4, ISSN 2248-0420, categoria CNCSIS B+; https://www.ictcm.ro/wp-content/uploads/2021/03/Electronic-form-TI-3_4_2014.pdf</p> <p>2. Udroi R., Ivan, N., (2008). Rapid-X using 3D Printers, Academic Journal of Manufacturing Engineering Supplement, nr. 2, Editura Politehnica, Timișoara, 2008, ISSN 1583-7904, pag. 198-204, CNCSIS tip B;</p> <p>3. Pescaru-Folosea R., Ivan, N., V., Udroi R., C., Loaga L., (2008). Reverse engineering in manufacturing engineering, Academic Journal of Manufacturing Engineering, vol. 6, nr. 4, Editura Politehnica, Timișoara, 2008, ISSN 1583-7904, pag. 102-108, CNCSIS tip B;</p>	5/1=5p 5/2=2,5p 5/4=1,25p

		<p>4. Ivan, N., V., Ivan, M., Udroi, R., C., Chicoș, L., Lancea, C., T., (2007). Process planning a key stage in innovative manufacturing, Academic Journal of Manufacturing Engineering, vol. 5, nr. 1, Editura Politehnica, Timișoara, 2007, ISSN 1583-7904, pag. 43-49, CNCSIS tip B;</p> <p>5. Udroi, R., Ivan, N., V., Chicoș, L., (2006). Innovative technological process for helicopter blade manufacturing, Academic Journal of Manufacturing Engineering, vol. 4, nr. 4, Editura Politehnica, Timișoara, 2006, ISSN 1583-7904, pag. 62-66, CNCSIS tip B;</p> <p>6. Udroi, R., (2004). Integrated CAD/CAM system the core of concurrent engineering, In Bulletin of the Transilvania University of Brașov, vol. 11 (46), Transilvania University Press, Brașov, 2004, ISSN 1223-9631, pag. 161-168, CNCSIS tip B;</p> <p>7. Ivan, M., C., Udroi, R., Ivan, C., Ivan, N., V., (2006). Concept of constructive-technological entity a facility for CAD/CAM integration, Academic Journal of Manufacturing Engineering, vol. 4, nr. 2, Editura Politehnica, Timișoara, ISSN 1583-7904, pag. 49-54, CNCSIS tip B;</p> <p>8. Chicoș, L., Ivan, N., Udroi, R., (2006). Innovative development of products, Academic Journal of Manufacturing Engineering, vol. 4, nr. 3, Editura Politehnica, Timișoara, ISSN 1583-7904, pag. 18-23, CNCSIS tip B;</p> <p>9. Udroi, R., (2005). Concurrent systems engineering, Academic Journal of Manufacturing Engineering, vol. 3, nr. 1, Editura Politehnica, Timișoara, ISSN 1583-7904, pag. 69-74, CNCSIS tip B;</p> <p>10. Udroi, R., (2004). Machining strategies of constructive-technological features. StrategEnt software, Academic Journal of Manufacturing Engineering, vol. 2 nr.3, Editura Politehnica, Timișoara, ISSN 1583-7904, pag.55-61, CNCSIS tip B.</p>	<p>5/5=1p</p> <p>5/3=1,66p</p> <p>5/1=5p</p> <p>5/4=1,25p</p> <p>5/3=1,66p</p> <p>5/1=5p</p> <p>5/1=5p</p>
	5/nr. autori	Link_Dovezi_Articole_poz1-29_Conferinte_neindexate	

	volume conferinte	<ol style="list-style-type: none"> 1. Udroi, R. (2011). Rapid tooling by Three Dimensional Printing (3DP), 3rd WSEAS international conference on manufacturing engineering, quality and production systems MEQAPS '11, April 11-13, 2011, Brasov, Romania, Published by WSEAS Press; 2. Deaky, B., Lupulescu, N., Udroi, R., Moldovean, Gh., Serban I. (2011). Cylindrical Gear Rapid Manufacturing Study (Part II), 3rd WSEAS International Conference on Manufacturing Engineering, Quality and Production Systems MEQAPS 11 (MEQAPS11) ISBN:978 -96 0-474 -294 3. Udroi, R., Comsa, Gh., (2009). The role of rapid prototyping in the furniture industry, Proceedings of the 7th International Conference "Wood Science and engineering in the third millenium – ICWSE 2009", ISSN 1843-2689, pp 696-701, Editor M. Ispas, Published by Transilvania University of Brasov, International Union of Forest Research & European Federation of Furniture Industry, 4-6 iunie 2009, Romania; 4. Comsa G., Udroi, R., (2009). The study of curved chair employing Cosmos Express finite element method p702, :Proceedings of the 7th International Conference "Wood Science and engineering in the third millenium – ICWSE 2009" ISSN:18432689 5. Udroi, R., (2007). Computer aided design of tooling for aerospace composite parts, Annals of MTeM for 2007 & Proceedings of the 8th international conference "Modern Technologies in Manufacturing", organized by Technical University of Cluj-Napoca in collaboration with Technical University of Kosice from Slovakia and University of Rijeka from Croatia, Cluj Napoca, 4-5th October, 2007, ISBN 973-9087-83-3, pag. 449-452; 6. Udroi, R., (2005). Software system for 3D parametrical modelling of helicopter blade, Conferinta știintifică internațională "Tehnologii moderne, calitate, restructurare TMCR 2005", Universitatea Tehnică din Moldova, Editura U.T.M., 19-21 mai, 2005, Chișinău, Moldova, ISBN 9975-9875-7-5, pag. 409-412; 7. Lancea, C., Udroi, R., (2005). Determination the CNC path when milling complex shape pockets 	<p>5/1=5p</p> <p>5/5=1p</p> <p>5/2=2,5p</p> <p>5/2=2.5p</p> <p>5/1=5p</p> <p>5/1=5p</p>
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		with horizontal bottom side, Conferinta științifică internațională "Tehnologii moderne, calitate, restructurare TMCR 2005", Universitatea Tehnică din Moldova, Editura U.T.M., 19-21 mai, 2005, Chișinău, Moldova, ISBN 9975-9875-7-5, pag. 413-416;	5/2=2,5p
		8. Udroi, R., Lancea, C., (2004). Determination of virtual cutting tools in finishing milling process, Proceedings of the Second International Conference "Challenges in Higher Education and Research in the 21st Century", vol. 2, Heron Press Ltd., Edited By Nikolay Kolev & Lubomir Dimitrov cu sprijinul companiei McGraw-Hill (U.S.A.), organized by the Technical University of Sofia, June 2-5, 2004, Sozopol, Bulgaria, ISBN 954-580-158-1, pag.222-224;	5/2=2,5p
		9. Udroi, R., Lancea, C., (2004). The Cutting Force Dispersion According to Milling Speed, Proceedings of the Second International Conference "Challenges in Higher Education and Research in the 21st Century", vol. 2, Heron Press Ltd., Edited By Nikolay Kolev & Lubomir Dimitrov cu sprijinul companiei McGraw-Hill (U.S.A.), organized by the Technical University of Sofia, June 2-5, 2004, Sozopol, Bulgaria, ISBN 954-580-158-1, pag.219-221;	5/2=2,5p
		10. Lancea, C., Udroi, R., (2004). Cutting parameters calculus in milling machining process. Case study, First international conference "Mechanics and Machine Elements", Technical University of Sofia, Bulgaria, 4-6 November 2004, Tome II, ISBN 954-580-173-5, pag.193-199;	5/2=2,5p
		11. Lancea, C., Udroi, R., (2004). A computer simulation program for NC milling of 3D parts, First international conference "Mechanics and Machine Elements", Technical University of Sofia, Bulgaria, 4-6 November 2004, ISBN 954-580-173-5, pag.200-204;	5/2=2,5p
		12. Udroi, R., (2005). Determination of virtual cutting tools in roughing milling process, Proceedings of the 4th International Conference on Advanced Manufacturing Technologies - ICAMaT 2005, Publishing House of Romanian Academy, Bucharest, 3 - 4 November, 2005, ISBN 973-27-1254-6, pag. 177-180;	5/1=5p
		13. Udroi, R., (2005). The software system VTOOL, Proceedings of the 4th International Conference	

		on Advanced Manufacturing Technologies - ICAMaT 2005, Publishing House of Romanian Academy Bucharest, 3 - 4 November, 2005, ISBN 973-27-1254-6, pag. 181-184;	5/1=5p
		14. Udroi, R., Martinescu, I., (2004). Concurrent definition of mechanical flight control system, The 1st International Conference on Computing and Solutions in Manufacturing Engineering "COSME '04", Transilvania University of Braşov, Braşov-Sinaia, Romania, 16-18 sept., 2004, ISBN 973-635-372-9, pag. 892-897;	5/2=2,5p
		15. Udroi, R., (2004). Virtual jig assembly for aircraft manufacturing, The 1st International Conference on Computing and Solutions in Manufacturing Engineering "COSME '04", Transilvania University of Braşov, Braşov-Sinaia, Romania, 16-18 sept., ISBN 973-635-372-9, pag. 898-901;	5/1=5p
		16. Udroi, R., (2003). Aspects concerning of the machining strategies in milling process, Proceedings of the 3rd International Conference Research and development in mechanical industry RaDMI 2003, 14 - 18 September 2003, Herceg Novi, Serbia and Montenegro, 2003, ISBN 86-83803-06-6, pag.559-564;	5/1=5p
		17. Udroi, R., (2003). Determination of the machining strategies in integrated design of the moulds, Proceedings of the 3rd International Conference Research and development in mechanical industry RaDMI 2003, 14 - 18 September 2003, Herceg Novi, Serbia and Montenegro, 2003, ISBN 86-83803-06-6, pag.565-568;	5/1=5p
		18. Udroi, R., (2003). Conception par entités de matrices de polymérisation, Conferinta ştiinţifică internaţională "Tehnologii moderne, calitate, restructurare TMCR 2003", vol. 3, Universitatea Tehnică din Moldova, 29 mai - 1 iunie, 2003, Chişinău, Moldova, ISBN 9975-9748-0-5, pag. 507-510	5/1=5p
		19. Udroi, R., (2003). Système software pour la conception par entités de matrices de polymérisation, Conferinta ştiinţifică internaţională "Tehnologii moderne, calitate, restructurare TMCR 2003", vol. 3, Universitatea Tehnică din Moldova, 29 mai - 1 iunie, 2003, Chişinău, Moldova,	5/1=5p

		ISBN 9975-9748-0-5, pag. 511-514 ;	
		20. Rîmniceanu, V., Udroui, R., (2003). Modelarea și asamblarea parametrizată a structurii unui autogir, Al VIII-lea Simpozion National cu participare internațională de Geometrie Descriptivă, Grafică Tehnică și Design 2003, vol. 2, Universitatea Transilvania din Brașov, 5-7 iunie, 2003, ISBN 973-635-195-5, pag. 263-266;	5/2=2,5p
		21. Udroui, R., Ivan N, (2002). Conceptul de entitate constructiv-tehnologică element integrator în ingineria pieselor de formă complexă, Volum:Proceedings of the C2I International Conference of Integrated Engineering, Timișoara, Editura Politehnica, România, isbn:973-8247-92-6	5/2=2,5p
		22. Udroui, R., Ivan N, (2002). Aplicarea conceptului de inginerie simultană la pala de elicopter revistaVolum:Proceedings of the C2I International Conference of Integrated Engineering, Timișoara, Editura Politehnica, România, ISBN:973-8247-92-6 ;	5/2=2,5p
		23. Postelnicu A., Udroui, R.,(1999). Controlul activ al vibrațiilor palelor de elicopter, A XXVIII-a Sesiune de comunicări științifice cu participare internațională, Secțiunea Aeronave și motoare de aviație, Editura Academiei Tehnice Militare, București;	5/2=2,5p
		24. Martinescu I, Udroui, R. (1998). Proiectarea parametrizată asistată de calculator a ștantelor și matritelor, Volum:A-VI-a Conferință națională cu participare internațională de tehnologii și utilaje pentru prelucrarea materialelor prin deformare plastică, Universitatea Dunărea de Jos, Galați, Editată de Ministerul Educației Naționale și Academia Română;	5/2=2,5p
		25. Udroui, R., Martinescu I, (1998). The aspects looking at computer parametric design of the airfoils, Volum:Conferință internațională TURBO '98, vol.1, Institutul National de Cercetare Dezvoltare Turbomotoare COMOTI, București, ISBN:973-9402-20-8;	5/2=2,5p
		26. Udroui, R., Ivan N, (1997). Geometrical processor for modelling on three dimensions of the helicopter blades , International Computer Science Conference "MicroCAD '97", Miskolci Egyetem,	

		26-27 February 1997;	5/2=2,5p
		27. Postelnicu A., Martinescu I, Udroui, R.,(1997). Proiectarea parametrizată asistată de calculator a tijelor de comandă ale elicopterelor, Volum:A XXVII-a Sesiune de comunicări științifice cu participare internațională, Sectunea 4 Aeronave și motoare de aviație, Editura Academiei Tehnice Militare, București ;	5/3=1,66p
		28. Postelnicu A., Martinescu I, Udroui, R. (1997). Calculul static al lantului comenzilor de zbor la elicopterul IAR 330. Partea II, A XXVII-a Sesiune de comunicări științifice cu participare internațională, Sectiunea 4 Aeronave și motoare de aviație, Editura Academiei Tehnice Militare, București;	6/3=1,66p
		29. Martinescu I, Barna, T., Udroui, R. (1996). Aspecte privind proiectarea asistată de calculator a ștantelor și matritelor, În buletinul sesiunii Conferinței internaționale de comunicări științifice TCMC 96, vol. 2 Universitatea tehnică "Gh. Asachi", Iași.	5/3=1,66p
			Total Criteriu 2.4= 122,8
2.5 Granturi / proiecte câștigate prin competiție / de cercetare / consultanta pentru mediul economic			
2.5.1 Director/Responsabil	2.5.1.1 Internaționale		
Profesor minim 2 granturi sau valoare contracte cu mediul economic minim 200.000 lei	20 * nr. ani desfasurare (1an = 12luni)	1. Flux solar sintering of novel carbon fibre reinforced AISi10Mg metal matrix composites, Agentia de finantare: European Union's Horizon 2020, Tip proiect: Solar Facilities for the European Research Area - Third Phase (SFERA-III), Grant Agreement No. 823802, nr. de inregistrare: SURPF2101280004, 2021-2022, centrul de cercetare: IMDEA Energy Institute, Madrid, Spania, valoare proiect:12658,8 Euro, https://sfera3.sollab.eu	20x0,66=13,3p
Realizat in calitate de director -4D granturi internaționale Valoare 33000,94 Euro	Total valoare granturi internaționale in calitate de director 33000,94 Euro	2. Flux solar sintering of 3D printed metal-polymer, Agentia de finantare: European Union's Horizon 2020, Tip proiect: Solar Facilities for the European Research Area - Third Phase (SFERA-III), Grant Agreement No. 823802, nr. de inregistrare: SURPF2201290020, 2022-2023, centrul de cercetare: IMDEA Energy Institute, Madrid, Spania, valoare proiect: 7009,58 Euro,	20x0,5=10p
-19D contracte mediul socio-			

economic in valoare de 26943,31 Euro (118535 lei)		<p>https://sfera3.sollab.eu</p> <p>Dovada</p> <p>3. Transmission electron microscopy and statistics on advanced composites of Carbon-Fiber-reinforced PolyPhenylene Sulfide, Agentia de finantare: European Union's Horizon 2020, Tip proiect: Research and Innovation Program Transmission Electron Microscopy - Third Phase (ESTEEM3), Grant Agreement No. 823717, nr. de inregistrare: 572 – TEM-S-CFPPS, 2022, centrul de cercetare: JSI Jožef Stefan Institute, Ljubljana, Slovenia, valoare proiect: 8778,56 Euro, https://www.esteem3.eu/</p> <p>Dovada</p> <p>4. Microstructural analysis on advanced composites of Carbon Fiber reinforced PolyPhenylene Sulfide manufactured by Thermostamping, Agentia de finantare: European Union's Horizon 2020, Tip proiect: Research and Innovation Program Transmission Electron Microscopy - Third Phase (ESTEEM3), Grant Agreement No. 823717, nr. de inregistrare: 456 - MiCFPPS-Therm, 2021, centrul de cercetare: JSI Jožef Stefan Institute, Ljubljana, Slovenia, valoare proiect: 4554 Euro, https://www.esteem3.eu/</p> <p>Dovada</p>	<p>20x0,25=5p</p> <p>20x0,5= 10p</p>
	2.5.1.2 Nationale		
	10 * nr ani desfasurare (1an = 12luni)	-	0 p
	2.5.1.3 Contracte nationale de cercetare cu mediul economic		
Total valoare 19 contracte cu mediul socio-economic in calitate de director 118535 lei (26943,31 Euro)	<p>1. Conceptia si fabricatia inovativa a produselor pentru sectorul educational si stiintific, Contract de cercetare științifică cu mediul socio-economic, Universitatea Transilvania din Brașov (nr. 6427/2009, act. additional 4631/7.04.2010, 3914/17.03.2011), 2009-2012, SC Sangari Engineering Service Romania SRL (nr. 3.6051/6.05.2009, act. adit. nr.12401/12.04.2010, nr..17031/17.03.2011)</p> <p>Valoare corectata 19609 lei=4549,65 Euro, (curs 4,31lei=1Eur din 1.01.2012)</p> <p>Dovada</p>	0p	
	<p>2. Cercetari privind fabricatia aditiva a reperelor in ingineria industrială, Contract de cercetare științifică cu mediul socio-economic, Universitatea Transilvania din Brașov (nr. 17163/8.12.2016),</p>	0p	

		<p>2016-2019, SC Gloriosa Com SRL (nr. 1968/28.11.2016) Valoare corectata 14757,76 lei=3316,35 Euro, (curs 4,45lei=1Eur din 30.03.2016) Dovada</p> <p>3. Cercetari privind fabricatia aditiva prin SLS. Contract de cercetare științifică cu mediul socio-economic, Universitatea Transilvania din Brașov (nr. 17894/2018) , 2018-2019, SC Gloriosa Com SRL (nr. 2730/5.12.18) Valoare 9817.51 lei =2111,29 Euro, (curs 4,65lei=1Eur din 20.12.2018) Dovada</p> <p>4. Cercetari privind fabricatia aditiva a unor repere personalizate, Contract de cercetare științifică cu mediul socio-economic, Universitatea Transilvania din Brașov (nr. 7109/12.06.2018), 2018-2019, SC Gloriosa Com SRL (nr. 2542/7.06.18) Valoare 3451 lei=740,55 Euro, (curs 4,66lei=1Eur din 30.06.2018) Dovada</p> <p>5. Cercetari privind fabricatia aditiva prin SLS, Contract de cercetare științifică cu mediul socio-economic, Universitatea Transilvania din Brașov (nr. 14397/19.11.2019), 2019-2020, SC Gloriosa Com SRL (nr. 2992/11.11.19) Valoare 8330 RON=1746,33Euro, (curs 4,77lei=1Eur din 19.11.2019) Dovada</p> <p>6. Cercetari privind fabricarea rapida in ingineria industrială, Contract de cercetare științifică cu mediul socio-economic, Universitatea Transilvania din Brașov (nr. 15934/14.11.2016), 2016, SC Gloriosa Com SRL (nr. 128/10.11.2016) Valoare 8071 lei=1789,62 Euro, (curs 4,51lei=1Eur din 30.11.2016) Dovada</p> <p>7. Cercetari experimentale privind prototiparea rapida de echipamente pentru transportul public urban, Contract de cercetare științifică cu mediul socio-economic, Universitatea Transilvania din Brașov (nr. 2807 / 25.02.2011), 2011, RADCOM SRL (nr.71/16.02.2011) Valoare 10895 lei=2563,52 Euro, (curs 1Eur= 4,25lei din 30.01.2011) Dovada</p> <p>8. Cercetari privind prototiparea rapida a carcaselor complexe, Contract de cercetare științifică cu mediul socio-economic, Universitatea Transilvania din Brașov (nr. 1986/22.02.2016), 2016, RADCOM SRL (nr.23/22.02.2016)</p>	Op Op Op Op Op Op
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		<p>Valoare 3603.72 lei=809.82 Euro, (curs 1Eur=4,45lei 30.03.2016) Dovada</p> <p>9. Cercetari privind fabricatia rapida a prototipurilor din domeniul telecomunicatiilor, Contract de cercetare științifică cu mediul socio-economic, Universitatea Transilvania din Brașov (nr.18203/19.12.2013), 2013-2015, RADCOM SRL (nr.194/2.11.2013) Valoare 1171,8 lei=261,56 Euro, (curs 1Eur= 4,48lei din 19.12.2013) Dovada</p> <p>10. Cercetari teoretice si experimentale privind prototiparea rapida a componentelor din sistemele de siguranta ale autovehiculelor Contract de cercetare științifică cu mediul socio-economic, Universitatea Transilvania din Brașov (nr. 6428/2009), 2009, AUTOLIV Romania SRL (nr. 6428/20.05.2009). Valoare 8432 lei=2007.61 Euro, (curs 4,20lei=1Eur din 30.06.2009) Dovada</p> <p>11. Cercetari experimentale privind fabricatia rapida pentru teste functionale a componentelor din sisteme de senzori industriali, Contract de cercetare științifică cu mediul socio-economic, Universitatea Transilvania din Brașov (nr. 2151/13.02.2012), 2011-2012, SC WENGLOR ELECTRONIC SRL (nr. 213/20.02.2012) Valoare 8894 lei=2035 Euro, (curs 4,37lei=1Eur din 30.03.2012) Dovada</p> <p>12. Cercetari privind tehnologia reverse engineering pentru motoare, Contract de cercetare științifică cu mediul socio-economic, Universitatea Transilvania din Brașov (nr. 17918/ 23.12.2016 act aditional 996/ 27.01.2017), 2016-2017, Tata Technologies SRL (nr.17/23.12.2016) Valoare 5950.22 lei=1313.51 Euro (curs 1Eur=4,53lei din 23.12.2016) Dovada</p> <p>13. Cercetari privind tehnologii de fabricare rapida pentru industria aeronautica, Contract de cercetare științifică cu mediul socio-economic, Universitatea Transilvania din Brașov (nr. 5319/13.05.2016), 2016-2018, Airbus Helicopter Romania (nr. FP-431-16/10.03.2016) Valoare corectata: 4062.01 lei=912 Euro (curs 1Euro=4,45lei din 30.05.2016) Dovada</p> <p>14. Cercetari experimentale privind fabricatia rapida a subansamblurilor opto-electronice din componenta senzorilor industriali pentru teste functionale, Contract de cercetare științifică cu</p>	Op Op Op Op Op
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		<p>mediul socio-economic, Universitatea Transilvania din Braşov (nr. 9997/2010), 2010-2011, SC WENGLOR ELECTRONIC SRL (nr. 652/16.09.2012)</p> <p>Valoare 2928 lei=719.41 Euro (curs 4,07lei=1Eur din 30.03.2010)</p> <p>Dovada</p>	
		<p>15. Cercetari teoretice si experimentale privind prototiparea rapida a componentelor din produsele electronice si optice, Contract de cercetare ştiinţifică cu mediul socio-economic, Universitatea Transilvania din Braşov (nr. 5442/2010), 2010, SC WENGLOR ELECTRONIC SRL (nr. 300/28.04.2010) Valoare 1342 lei=329.72 Euro, (curs 4,07lei=1Eur din 30.03.2010)</p> <p>Dovada</p>	Op
		<p>16. Cercetari experimentale privind fabricatia rapida a sistemului de inchidere a dulapurilor industriale, Contract de cercetare ştiinţifică cu mediul socio-economic, Universitatea Transilvania din Braşov (nr. 3349/2011), 2011, ELDON Romania SRL (nr.15/4.03.2011)</p> <p>Valoare 1123 lei=264 Euro, (curs 4,25lei=1Eur din 30.01.2011)</p> <p>Dovada</p>	Op
		<p>17. Cercetari experimentale privind fabricatia rapida a componentelor din plastic ale dulapurilor industriale, Contract de cercetare ştiinţifică cu mediul socio-economic, Universitatea Transilvania din Braşov (nr. 9290/2010), 2010, ELDON Romania SRL (nr.20/14.07.2010)</p> <p>Valoare 1076 lei=264.37 Euro, (curs 4,07lei=1Eur din 30.03.2010)</p> <p>Dovada</p>	Op
		<p>18. Conceptia produselor si matritelor, prototipare rapida si fabricatia rapida a sculelor, Contract de cercetare ştiinţifică cu mediul socio-economic, Universitatea Transilvania din Braşov (nr. 5516 / 2009, act. adit. 1967/ 18.02.2009), 2008-2009, SC Compozite SRL (nr. 02/21.04.2008, act. adit. 027/12.02.2009) Valoare 2872.66 lei=683 Euro, (curs 4,20lei=1Eur din 30.06.2009)</p> <p>Dovada</p>	Op
		<p>19. Cercetari teoretice si experimentale privind fabricatia rapida prin metoda Polyjet a prototipurilor specificate de beneficiar, Contract de cercetare ştiinţifică cu mediul socio-economic, Universitatea Transilvania din Braşov (nr.1359/2010), 2010, SC STABILUS Romania SRL (nr. 2168/26.01.2010)</p> <p>Valoare 2149 lei=528 Euro, (curs 4,07lei=1Eur din 30.03.2010)</p> <p>Dovada</p>	Op

				Total Criteriu 2.5.1 = 31,66 p
2.5.2 Membru in echipă , confirmare prin documente oficiale	2.5.2.1 Internaționale			
	4 * nr ani desfasurare (1an = 12luni)	1. Performance improvement by heat treatment in solar furnance of ceramic reinforced aluminium alloy fabricated by friction stir processing, Agentia de finantare: European Comission - Seventh Framework Programme (FP7), Tip proiect: Solar Facilities for the European Research Area - Second Phase (SFERA-II), Grant Agreement No. 312643, nr. de inregistrare: P1602070221, 2016, centrul de cercetare: CIEMAT-PSA, Almeria, Spania, Nr ani derulare: 0,5, Calitate: membru; Director proiect: conf.dr.ing. Folea Milena Dovada		2p
	1.5.2.2 Naționale			
	2 * nr ani desfasurare (1an = 12luni)	1. Sisteme expert de optimizare a proceselor tehnologice (Expert System For Optimisation of Technological Processes-ESOP), Nr.contract:71-133 /18.09.2007, 2007-2010, Nr ani derulare: 3, Calitate: membru; Director de proiect: Prof.dr.ing. Ivan Nicolae-Valentin Dovada		6p
		2. PLATformă pentru DEzvoltări Tehnologice INOvative (PLADETINO). Program CNCSIS de tip platformă, Nr.contract:13/ 2008, Cod CNCSIS 78 perioada: 2006-2008, Nr ani derulare: 2, Calitate: membru; Director de proiect: Prof.dr.ing. Ivan Nicolae-Valentin Dovada		4p
		3. IMAN-Inovative Manufacturing Network, Nr. Contract: Project CEEX/PCD, Nr. 41/7.10.2005 2005-2008, Nr ani derulare: 3, Calitate: membru; Director de proiect: Prof.dr.ing. Ivan Nicolae-Valentin Dovada		6p
		4. Optimizarea functionala a structurilor aerodinamice deportante de autovehicule Nr. Contract Idei: ID_758/2008 perioada:2008-2011 Nr ani derulare:3, Calitate: membru; Director de proiect: Prof.dr.ing. Angel Huminic Dovada		6p
		5. Optimizări, testări și execuție de repere prototip din industria auto, Nr. contract cu mediul socio economic 16830/30.10.2012, 2012-2015, Nr ani derulare: 4, Calitate: membru; Director de contract: Prof.dr.ing. Gheorghe Oancea Dovada		8p

		<p>6. Retea nationala de cercetare in domeniul ingineriei integrate a produselor si proceselor - INPRO, Contract CEEX, Modulul I, P-CD, Nr.Contract:243/2006 perioada:2006-2008, Nr ani derulare:3, Calitate: membru; Director proiect prof. dr. ing. George Drăghici, responsabil UTBv prof. dr. ing. Nourăș Barbu Lupulescu</p> <p style="text-align: right;">Dovada</p> <p>7. Tehnologii inovative pentru realizarea profilelor aerodinamice, Nr.Contract cu terti: 18543/2008 perioada:2008, Nr ani derulare:1, Calitate: membru; Director de contract: Prof.dr.ing. Mircea Viorel Dragoi</p> <p style="text-align: right;">Dovada</p> <p>8. Profesionalizarea carierei didactice - noi competente pentru actorii schimbărilor în educație în județele Bacău și Covasna, Nr. Contract: POSDRU/87/1.3/S/62339, 2010-2013, Nr ani derulare: 3 Calitate: membru; Director de proiect: Prof.dr.ing. Anisor Nedelcu</p> <p style="text-align: right;">Dovada</p> <p>9. Sisteme CAD/CAM pentru strunjire și frezare, faza 1 Modulul CAD, Nr. Contract: Nr. 33459/2002 - tema 11, Cod CNCSIS: 614 perioada:2002-2003, Nr ani derulare:1, Calitate: membru; Director de proiect: Prof.dr.ing. Nouras Lupulescu</p> <p style="text-align: right;">Dovada</p> <p>10. Sisteme CAD/CAM pentru strunjire și frezare, faza 2 Modulul CAM, Nr. Contract: Nr. 33253/2003 - tema 12, Cod CNCSIS: 609 perioada:2003-2004, Nr ani derulare:1, Calitate: membru; Director de proiect: Prof.dr.ing. Nouras Lupulescu</p> <p style="text-align: right;">Dovada</p>	<p>6p</p> <p>2p</p> <p>6p</p> <p>2p</p> <p>2p</p>
			Total Criteriu 2.5.2= 46p
			Total 2.5. =77,66 p
	Minim 200p	Total punctaj pentru activitatea de cercetare (A2): p=782,62+6,66+148,3+122,8+77,66	1138,04 p

A3. RECUNOAȘTEREA PERFORMANTELOR PROFESIONALE SI IMPACTUL ACTIVITĂȚII

Categoriile și restricții	Indicatori unitari	Denumire	Punctaj
3.1 Citări in reviste ISI si BDI (fara autocitari)			
Profesor minimum 40 puncte	3.1 .1 ISI cu factor de impact 224 citări ISI ale articolelor indexate ISI (fara autocitari), 32 citari ISI ale altor articole (fără autocitări) H-index Web of Science =8; H-index Scopus =8; H-index Scholar=11; Link raport citări: https://0a10qtit7-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/citation-report/c2d8c03d-172f-4525-bafa-f5df2f5eab45-01337f273f		
	20/nr.autori art. citat	Articol citat	Articol care citează
	Udroi, R.; Braga, I.C.; Nedelcu, A. Evaluating the Quality Surface Performance of Additive Manufacturing Systems: Methodology and a Material Jetting Case Study. Materials 2019, 12, 995 42 citări ISI (fără autocitări) Dovada1 Link raport citari articol: https://0a10qu854-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/summary/9660bcc5-3e11-467a-808c-f69f88c9f27c-01385dea23/date-descending/1	1. Alfaraj, A and Lin, WS, Color reproduction trueness of 3D-printed full-color dental casts with scans derived from an intraoral scanner, JOURNAL OF PROSTHODONTICS-IMPLANT ESTHETIC AND RECONSTRUCTIVE, WOS:001143116900001, FI 3,4 2. Islam, MA; Mobarak, MH; (...); Hossain, N, Additive manufacturing in polymer research: Advances, synthesis, and applications, Mar 2024 POLYMER TESTING, 132, WOS:001187972900001 FI 5 3. Keane, G; Healy, AV and Devine, DM, Post-Process Considerations for Photopolymer 3D-Printed Injection Moulded Insert Tooling Applications, Apr 2024, JOURNAL OF COMPOSITES SCIENCE. 8 (4), WOS:001210664700001, FI 3 4. Stampone, B; Deniz, KI; (...); Trotta, G, Rapid Tooling for Microinjection Moulding of Proof-of-Concept Microfluidic Device:	42citari x 20/3autori =280 p

			<p>Resin Insert Capability and Preliminary Validation, Apr 2024, APPLIED SCIENCES-BASEL, 14 (8), WOS:001258356200001, FI 2,5</p> <p>5. McConnell, S; Tanner, D and Kourousis, KI, Productivity improvement opportunities for metal powder bed fusion technologies: a systematic literature review, Sep 6 2024, RAPID PROTOTYPING JOURNAL, 30 (11) , pp.230-245, WOS:001295636200001 FI 3,4</p> <p>6. Turek, P; Bazan, A; (...); Przeszlowski, L, Evaluation of Macro- and Micro-Geometry of Models Made of Photopolymer Resins Using the PolyJet Method, Sep 2024, MATERIALS, 17 (17), WOS:001311180700001 FI 3,1</p> <p>7. Turek, P; Bazan, A; (...); Gapinski, B, Surface roughness of photoacrylic resin shapes obtained using PolyJet additive technology, Nov-dec 2023, POLIMERY, 68 (11-12) , pp.631-639, WOS:001156718700001 FI 1,1</p> <p>8. Golhin, AP; Tonello, R; (...); Strandlie, A, Surface roughness of as-printed polymers: a comprehensive review, INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY 127 (3-4) , pp.987-1043, WOS:000995753100001 FI 2,9</p> <p>9. Jensen, NJ; Parker, GG and Blough, JR, Base Vibration Effects on Additive Manufactured Part Quality, Feb 2024, EXPERIMENTAL TECHNIQUES, 48 (1) , pp.159-170, WOS:000974630700001 FI1,5</p> <p>10. Mourtzis, D and Balkamos, N, Design of Manufacturing Systems Based on Digital Shadow and Robust Engineering, Apr 2023, APPLIED SCIENCES-BASEL, WOS:000977595700001 FI2,5</p> <p>11. Kim, T; Kim, JG; (...); Jung, ID, Virtual surface morphology generation of Ti-6Al-4V directed energy deposition via conditional generative adversarial network, Virtual and Physical Prototyping, 2023, WOS:000861378900001 FI10,2</p> <p>12. Kumar, SA; Kushwaha, A; (...); Barad, S, Surface Texture and</p>	
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			<p>Microstructural Characterization of Thin-Walled Ti6Al4V Part Processed Using Laser Powder Bed Fusion Technique: Effect of Build Direction, Journal Of Testing And Evaluation, 2022, WOS:000897713500001 F10,8</p> <p>13. Sun, B and Wu, LX, Research progress of 3D printing combined with thermoplastic foaming, Frontiers In Materials, 2022 WOS:000898137000001 F12,6</p> <p>14. Qin, J.; Hu, F.; Liu, Y.; Witherell, P.; Wang, C.C.; Rosen, D.W.; Simpson, T.W.; Lu, Y.; Tang, Q. Research and application of machine learning for additive manufacturing. Additive Manufacturing 2022, 52, 102691. WOS:000798159500002 F110,3</p> <p>15. Tshephe, T.S.; Akinwamide, S.O.; Olevsky, E.; Olubambi, P.A. Additive manufacturing of titanium-based alloys- A review of methods, properties, challenges, and prospects. Heliyon 2022, 8, e09041. WOS:000784250800011 F13,4</p> <p>16. Nofar, M.; Utz, J.; Geis, N.; Altstädt, V.; Ruckdäschel, H. Foam 3D Printing of Thermoplastics: A Symbiosis of Additive Manufacturing and Foaming Technology. Advanced Science 2022, 9, 2105701. WOS:000758920900001 F114,3</p> <p>17. de Pastre, M.-A.; Quinsat, Y.; Lartigue, C. Effects of additive manufacturing processes on part defects and properties: a classification review. International Journal on Interactive Design and Manufacturing (IJIDeM) 2022. WOS:000754915600001 F12,1</p> <p>18. Kumar, R.; Singh, S.; Aggarwal, V.; Singh, S.; Pimenov, D.Y.; Giasin, K.; Nadolny, K. Hand and Abrasive Flow Polished Tungsten Carbide Die: Optimization of Surface Roughness, Polishing Time and Comparative Analysis in Wire Drawing. Materials 2022, 15, 1287. WOS:000774806900001 F13,1</p> <p>19. Sun, WJ; Giusca, C; Boulter, H, Establishment of X-ray computed tomography traceability for additively manufactured surface</p>	
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			<p>texture evaluation, Additive Manufacturing, 2022, 50, WOS:000752198300005 FI10,3</p> <p>20. Santos, E.O.; Oliveira, P.L.E.; de Mello, T.P.; dos Santos, A.L.S.; Elias, C.N.; Choi, S.-H.; de Castro, A.C.R. Surface Characteristics and Microbiological Analysis of a Vat-Photopolymerization Additive-Manufacturing Dental Resin. Materials 2022, 15, 425. WOS:000747163100001 FI3,1</p> <p>21. Jo, B.W.; Song, C.S. Thermoplastics and Photopolymer Desktop 3D Printing System Selection Criteria Based on Technical Specifications and Performances for Instructional Applications. Technologies 2021, 9, 91. WOS:000737232200001 FI4,2</p> <p>22. Xu, Q.; Liu, Y.; Lu, H.; Liu, J.; Cai, G. Surface Integrity and Corrosion Resistance of 42CrMo4 High-Strength Steel Strengthened by Hard Turning. Materials 2021, 14, 6995. WOS:000725249500001 FI3,1</p> <p>23. Sugavaneswarn, M; Prashanthi, B and Rajan, AJ. A multi-criteria decision making method for vapor smoothening fused deposition modelling part. Rapid Prototyping Journal 2022, 28, 236, WOS:000692134100001 FI3,4</p> <p>24. Gülcan, O.; Günaydn, K.; Tamer, A. The State of the Art of Material Jetting—A Critical Review. Polymers 2021, 13, 2829. WOS:000690014400001 FI4,7</p> <p>25. Kwon, J.; Kim, N. Performance of wearables and the effect of user behavior in additive manufacturing process. Fashion and Textiles 2021, 8, 27. WOS:000665705000001 FI2,3</p> <p>26. Kardel, K.; Khoshkhoo, A.; Carrano, A.L. Design guidelines to mitigate distortion in material jetting specimens. Rapid Prototyping Journal 2021, 27, 1148. WOS:000664331600001 FI3,4</p> <p>27. McGregor, D.J.; Rylowicz, S.; Brenzel, A.; Baker, D.; Wood, C.; Pick, D.; Deutchman, H.; Shao, C.; Tawfick, S.; King, W.P. Analyzing part accuracy and sources of variability for additively manufactured</p>	
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				Total puncte citari ISI fara FI
		3.1 .3 BDI		176 p
10/nr.autori art.citat	Articol citat		Articol care citeaza	
	<p>Udroiu, R.; Braga, I.C.; Nedelcu, A. Evaluating the Quality Surface Performance of Additive Manufacturing Systems: Methodology and a Material Jetting Case Study. Materials 2019, 12, 995</p> <p>3 citari BDI (fără autocitări) Dovada1</p> <p>Link citari articol in Scopus:</p>		<ol style="list-style-type: none"> 1. Wang, S.; Yu, S.; Choy, S.Y.; Tan, S.L.; Xu, B. Evaluation of the effects of the print parameters in additive manufacturing process for dimensional control of printed parts using a traceable coordinate measuring machine. Engineering Research Express 2022, 4, 025013. <p>Link citare https://www-scopus-com.am.e-</p>	3 citari x10 / 3autori = 10 p

		<p>https://www-scopus-com.am.e-information.ro/results/citedbyresults.uri?sort=plf-f&cite=2-s2.0-85064230479&src=s&imp=t&sid=771db1cbd1bcca489af7508fb1efdeec&sot=cite&sdt=a&sl=0&origin=recordpage&editSaveSearch=&txGid=2a854a0a7099ec52bcd98593130d0b35</p>	<p>nformation.ro/record/display.uri?eid=2-s2.0-85129662213&origin=resultslist&sort=plf-f&cite=2-s2.0-85064230479&src=s&imp=t&sid=771db1cbd1bcca489af7508fb1efdeec&sot=cite&sdt=a&sl=0&relpos=0&citeCnt=0&searchTerm=</p> <p>2. Javaid, M.; Haleem, A. 3D bioprinting applications for the printing of skin: A brief study. Sensors International 2021, 2, 100123. Link citare https://www-scopus-com.am.e-information.ro/record/display.uri?eid=2-s2.0-85122039787&origin=resultslist&sort=plf-f&cite=2-s2.0-85064230479&src=s&imp=t&sid=771db1cbd1bcca489af7508fb1efdeec&sot=cite&sdt=a&sl=0&relpos=18&citeCnt=10&searchTerm=</p> <p>3. Suteja, T.J.; Hadiyat, M.A. Optimisation of subtractive rapid prototyping process parameters using response surface methodology. IOP Conference Series: Materials Science and Engineering 2019, 703, 012022. Link citare https://www-scopus-com.am.e-information.ro/record/display.uri?eid=2-s2.0-85078319054&origin=resultslist&sort=plf-f&cite=2-s2.0-85064230479&src=s&nlo=&nlr=&nls=&imp=t&sid=771db1cbd1bcca489af7508fb1efdeec&sot=cite&sdt=a&sl=0&relpos=34&citeCnt=0&searchTerm=</p>	
		<p>Bere, P.; Neamtu, C.; Udroi, R. Novel Method for the Manufacture of Complex CFRP Parts Using FDM-based Molds. Polymers 2020, 12, 2220</p> <p>1 citari BDI (fără autocitări) Dovada2</p>	<p>1. König, N.; Schockenhoff, F.; König, A.; Diermeyer, F. Method for Segmentation and Hybrid Joining of Additive Manufactured Segments in Prototyping Using the Example of Trim Parts. Designs 2021, 6, 2. https://www-scopus-com.am.e-information.ro/record/display.uri?eid=2-s2.0-</p>	<p>1 citari x 10 / 3 autori = 3,33 p</p>



			85123843412&origin=resultslist&sort=plf-f&cite=2-s2.0-85092756484&src=s&imp=t&sid=484c5dae0afd4cada4b5c7c01ea4bad6&ot=cite&sdt=a&sl=0&relpos=2&citeCnt=0&searchTerm=	
	Udroiu, R. Ivan NV. Rapid Prototyping and Rapid Manufacturing Applications at Transilvania University of Braşov, Bulletin of the Transilvania University of Brasov - Series I: Engineering Sciences, 2010 1 citari BDI (fără autocitări) Dovada3	1. Dumitru, Violeta Cristina; Cherciu, Mirela, Application of the FMEA Concept to Medical Robotic System, Advanced Engineering Forum; Zurich Vol. 13, (Jun 2015): 324-331. Link dovada citare: https://www.proquest.com/citedby/MSTAR_870328747/148EE7649E434E06PQ/1?accountid=136549&forcedol=true	1 citari x 10 / 2 autori = 5 p	
			Total puncte citari BDI	18,33 p
			Total puncte C3.1=1959,98+176+18,33	2154,31 p
3.2 Prezentari in plenul unor manifestari stiintifice nationale si internationale				
Număr de prezentari	3.2.1 Internationale			
	20			0 p
	3.2.2 Nationale			
	10			0 p
3.3 Profesor invitat in cadrul acordurilor academice internationale si programelor de colaborare cu institutii si firme Internationale. Inclusiv programele Erasmus + (predare)				
				0 p
3.4 Membru in colectivele de redactie sau comitete stiintifice ale revistelor si manifestarilor stiintifice, organizator de manifestari stiintifice. Recenzor				
	3.4.1 Reviste ISI cu factor de impact			
	3.4.1.1. Membru in comitetul stiintific editor			0p
	3.4.1.2. Recenzor			
	10 p / articol recenzat 1. Recenzent pentru 17 reviste ISI Articole ISI recenzate: 101	1. Membru in Comitetul de recenzori al revistei International Journal of Production Research, Taylor-Francis, Print ISSN: 0020-7543 Online ISSN: 1366-588X, https://www.tandfonline.com/journals/tprs20 (4 articole recenzate) Dovada membru 2. Membru In Comitetul de recenzori al revistei Measurement, Elsevier, ISSN 0263-2241	10x101= 1010p	

	<p>Link dovada nr. articole recenzate: https://www.webofscience.com/wos/author/record/A-7330-2018 Dovada pt toate art.</p> <p>https://publons.com/wos-op/researcher/1362966/razvan-udroi/peer-review/</p> <p>2.Recenzent pentru 1 manifestări științifice internaționale indexate ISI 1 x 10=10 p /articol recenzat</p>	<p>https://www.journals.elsevier.com/measurement (1 articol recenzat) Dovada membru</p> <p>3. Membru In Comitetul de recenzori al revistei IEEE Access, IEEE, ISSN 2169-3536 https://ieeexplore.ieee.org/document/7042373 (1 articol recenzate) Dovada membru</p> <p>4. Membru In Comitetul de recenzori al revistei Journal of Manufacturing Processes, Elsevier, ISSN 1526-6125, https://www.journals.elsevier.com/journal-of-manufacturing-processes (1 articol recenzat) Dovada membru</p> <p>5. Membru In Comitetul de recenzori al revistei Vacuum, Elsevier, ISSN 0042-207X https://www.sciencedirect.com/journal/vacuum (1 articole recenzate) Dovada membru</p> <p>6. Membru in Comitetul de recenzori al revistei International Journal of Energy Research, Wiley, ISSN: 1099-114X, https://onlinelibrary.wiley.com/journal/1099114x (1 articole recenzate) Dovada membru</p> <p>7. Membru In Comitetul de recenzori al revistei Materials, ISSN 1996-1944, https://www.mdpi.com/journal/materials (46 articole recenzate) Dovada membru</p> <p>8. Membru In Comitetul de recenzori al revistei Energies, ISSN 1996-1073, https://www.mdpi.com/journal/energies Dovada membru</p> <p>9. Membru In Comitetul de recenzori al revistei Applied Sciences, ISSN 2076-3417, https://www.mdpi.com/journal/applsci (10 articole recenzate) Dovada membru</p> <p>10. Membru In Comitetul de recenzori al revistei Metals, ISSN 2075-4701, https://www.mdpi.com/journal/metals (10 articole recenzate) Dovada membru</p> <p>11. Membru In Comitetul de recenzori al revistei Coatings, ISSN 2079-6412 https://www.mdpi.com/journal/coatings (4 articole recenzate) Dovada membru</p> <p>12. Membru In Comitetul de recenzori si, Membru In Comitetul editorial al revistei Polymers, ISSN 2073-4360, Special Issue "Recent Advances in Reinforced Polymeric Composites", 2021</p>	
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		<p>https://www.mdpi.com/journal/polymers (6 articole recenzate) https://www.mdpi.com/journal/polymers/special_issues/Advances_Reinforced_Polymeric_Composites</p> <p>13. Membru In Comitetul de recenzori al revistei Sensors, ISSN 1424-8220 https://www.mdpi.com/journal/sensors (8 articole recenzate)</p> <p>14. Membru In Comitetul de recenzori al revistei Drones, ISSN 2504-446X https://www.mdpi.com/journal/drones (1 articol recenzat)</p> <p>15. Membru In Comitetul de recenzori al revistei Fractal and Fractional, ISSN 2504-3110 https://www.mdpi.com/journal/fractalfract (2 articole recenzate)</p> <p>16. Membru In Comitetul de recenzori al revistei Crystals, ISSN 2073-4352 https://www.mdpi.com/journal/crystals (3 articole recenzate)</p> <p>17. Membru In Comitetul de recenzori al revistei Machines, ISSN 2075-1702 https://www.mdpi.com/journal/machines (4 articole recenzate)</p>	<p>Dovada membru</p> <p>Dovada membru</p> <p>Dovada membru</p> <p>Dovada membru</p> <p>Dovada membru</p> <p>Dovada membru</p>	
		Total C3.4.1 ISI recenzate =1010 p		
3.4.2 Reviste ISI fara factor de impact /proceedings ISI				
3.4.2.1. Membru in comitetul stiintific editor				
	10p			
3.4.2.2. Recenzor				
	5p	<p>1. Membru in Comitetul stiintific si recenzor la International Conference Modern technologies in manufacturing, MTeM 2019, 9-12 October, Cluj Napoca, 2019, indexata ISI WoS CPCI, MATEC Web of Conferences, ISSN: 2261-236X https://mtem.utcluj.ro/committees/</p>	Dovada	5p
3.4.3 Reviste manifestari stiintifice Indexate BDI				

3.4.3.1. Membru in comitetul stiintific, editor		
8	<p>1. Membru in comitetul stiintific la "12th WSEAS International Conference MATHEMATICS and COMPUTERS in BIOLOGY, BUSINESS and ACOUSTICS", 2011, Brasov, Romania https://www.google.ro/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&cad=rja&uact=8&ved=2ahUKEwj8pbTYuJH6AhVIPewKHW7rCvsQFnoECAUQAQ&url=http%3A%2F%2Fwww.wseas.us%2Fbooks%2F2011%2FBrasov2%2FMCBANTA.pdf&usg=AOvVaw3raXL2bzRNtYnUX822MfG6 Indexata in ACM: https://dl.acm.org/doi/abs/10.5555/1991147 Dovada</p>	8 p
3.4.3.2. Recenzor		
2	<p>1. Membru In Comitetul de recenzori al revistei Acta Innovations, ISSN 2300-5599 https://www.proakademia.eu/en/acta-innovations/about-journal/ Dovada</p> <p>2. Membru In Comitetul de recenzori al revistei Journal of Manufacturing and Materials Processing, ISSN 2504-4494 https://www.mdpi.com/journal/jmmp Dovada</p> <p>3. Membru in comitetul de recenzori ai IEEE International Workshop on Metrology for AeroSpace, MetroAeroSpace 2022 https://ieee-ims.org/metroaerospace-2022 Indexata in IEEE Xplore: https://0a10623kh-y-https-ieeeexplore-ieee-org.z.e-information.ro/xpl/conhome/9855893/proceeding Dovada</p> <p>4. Membru in comitetul de recenzori ai "The 5th international Conference On Computing and Solutions In Manufacturing Engineering - CoSME'20, 2020, Brasov, Romania http://www.cosme.ro/en/index.html Indexata in IOP: https://iopscience.iop.org/issue/1757-899X/1009/1 Dovada</p>	2 p 2 p 2 p 2 p
Total C3.4.2 =21 p		
3.4.4 Reviste manifestari stiintifice neindexate		
3.4.4.1. Membru in comitetul stiintific editor		
3.4.4.2. Recenzor		
5	<p>1. Membru in comitetul stiintific si recenzor la International Conference on Manufacturing Science and Education, June 2-4, Sibiu, Romania, 2021, indexata MATEC Web of Conferences</p>	5 p

		https://conferences.ulbsibiu.ro/mse/06.international_committee.html	Dovada	
			Total puncte C3.4= 1010p + 21p + 5p =	1036 p
3.5 Experiență de management, analiză și evaluare în cercetare și /sau învățământ				
	3.5.1 Organizatii internationale			
	3.5.1.1. Conducere			
	10 nr. ani desfasurare	-		0 p
	3.5.1.2. Membru evaluator			
	5 nr. ani desfasurare	-		0 p
	3.5.2. Organizatii nationale			
	3.5.2.1. Conducere			
	5 nr. ani desfasurare	-		0 p
	3.5.2.2. Membru evaluator			
	2 nr. ani desfasurare	1. Membru in Consilul Facultății ITMI, 2010-2012, nr ani desfasurare:3	Dovada	6 p
			Total puncte C3.5	6 p
3.6 Referent în comisii de doctorat /abilitare; membru în echipe de îndrumare doctorat				
	3.6.1. International			
	10 p	-		0 p
	3.6.2. National			
	5p	1. Membru echipa de îndrumare doctorat, doctorand George Răzvan Buican, Cercetări privind fabricarea prin topire selectivă cu laserul a pieselor din oțel inox 316 L, coordonator prof. dr.ing Gheorghe Oancea, 2015-2019 Dovada		5p
		2. Membru echipa de îndrumare doctorat, doctorand Emilian Ionuț Croitor, Cercetări privind testarea la impact a panourilor compozite termorigide armate cu fibre de sticlă. Carbon și kevlar-Carbon, coordonator prof. dr.ing Gheorghe Oancea, 2015-2019 Dovada		5p
			Total puncte 3.6	10p
3.7 Premii / distinctii				
	3.7.1 Academia Romană			

	30		0 p
3.7.2 Academii de ramura si CNCSIS			
	15		0 p
3.7.3 Premii internaționale in domeniu			
	10	1. Best Paper Award, Excelent paper of the Processes of Plastics and Composite Materials section, lucrarea "Improving the laser engraving quality of pad painted and spray-painted mechatronic devices", autori Braga, I.C; Udrouiu, R.; Nedelcu, A., MTeM 2019, Cluj Napoca Dovada	10 p
		2. Award certificate pentru lucrarea "Studies on robotic testing equipment used in mechatronic devices manufacturing processes to improve the root cause analysis", autori Braga, I.C; Nedelcu, A.; Udrouiu, R. , IMANEE 2018, Chisinau, Republica Moldova Dovada	10 p
3.7.4 Premii naționale in domeniu			
	5	1. Diploma din partea Asociației Generale a Inginerilor din România (AGIR), Societatea de rezistența materialelor pentru conținutul și valoarea cărții intitulată Teoria, Performanțele și Construcția elicopterelor, An acordare:2001 Dovada	5 p
		Total puncte 3.7	25 p
3.8 Membru In academii, organizatii, asociatii profesionale de prestigiu, nationale si internationale, apartenenta la organizatii din domeniu educatiei si cercetarii			
3.8.1 Academia Română			
	100		0 p
3.8.2 Academii de ramură			
	30		0 p
3.8.3 Conducere asociații profesionale			
3.8.3.1 Internaționale			
	30		0 p
3.8.3.2 Naționale			
	15		0 p
3.8.4 Membru in asociații profesionale			
3.8.4.1 Internaționale			

	10	1. Membru in IAENG Society of Industrial Engineering, http://www.iaeng.org/ Dovada	10 p
		2. Membru in IAENG Society of Mechanical Engineering, http://www.iaeng.org/ Dovada	10 p
3.8.4.2 Naționale			
	5	1. Membru in Asociatia Universitara de Ingineria Fabricatiei din România – AUIF Dovada	5 p
3.8.5 Organizații in domeniul educației și cercetării			
3.8.5.1 Conducere			
	15		0 p
3.8.5.2 Membru			
	10		0 p
			Total puncte 3.8
			25p
Minim 100 p		Total punctaj pentru activitatea recunoasterea si impactul activitatii (A3):	$2154,31+0+0+1036+6+10+25+25=$
			3256,31 p

16.12.2024

Conf. dr. ing. Răzvan Udroiou


