

FISA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR MINIMALE CNATDCU

Domeniul fundamental: Științe inginerești

Domeniul: Inginerie industrială

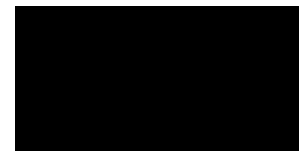
Comisia CNATDCU de specialitate: Ingineria și managementul producției

Autorul tezei de abilitare : conf. dr. ing. Răzvan UDROIU

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

Centralizator - Conditii minimale privind punctajul

Nr. crt.	Domeniul de activitate	Condiții minimale pentru Profesor / Abilitare	Realizat	Standard îndeplinit
1.	Activitatea didactică și profesională (A1)	130 puncte	210,26 puncte	Da
2.	Activitatea de cercetare (A2)	300 puncte	858,18 puncte	Da
3.	Recunoașterea și impactul activității (A3)	100 puncte	1096,79 puncte	Da
TOTAL:		530 puncte	2165,23 puncte	Da



Nr. crt.	Domeniul de activitate	Condiții minime pentru Profesor / Abilitare	Realizat	Standard îndeplinit
1.	Activitatea didactică și profesională (A1)	130 puncte	210,26 puncte	Da
		1.1. Carti/ manuale/ monografii/ capitole de specialitate ca autor. • Profesor: minimum 2 de prim autor;	7 cărți/capitole din care 4 ca prim autor	Da
		1.2.1 Suporturi de curs/Indrumare • Profesor: minimum 4 din care 2 prim autor.	6 suporturi de curs/ indrumare din care 2 ca prim autor	Da
2.	Activitatea de cercetare (A2)	300 puncte	858,18 puncte	Da
		2.1 Articole indexate in reviste ISI Thomson Reuters și in volumele unor manifestări științifice indexate ISI Thomson Reuters, vizibile in baza de date De la ultima promovare: • Minimum 8 articole, din care 3 in reviste, minimum 3 ca autor principal, pentru Profesor • Pentru profesor si CS1 , incepand din 2018 minimum 1 articol in reviste din zona roșie sau galbenă	26 articole ISI din care • 10 in reviste ISI • 8 ca autor principal • 6 articole in reviste din zona roșie • 3 articole in reviste din zona galbenă	Da
		2.2 Articole in reviste si volumele unor manifestari științifice indexate In alte baze de date internaționale • De la ultima promovare: minimum 8 pentru profesor	• 13 articole indexate In alte baze de date internationale	Da
		2.5 Granturi / proiecte câștigate prin competiție sau contracte cu mediul socio-economic (in valoare de minimum 25000 lei) • Director/Responsabil -Minimum 2D sau 4R pentru Profesor	4D proiecte câștigate prin competiție internațională si 19D contracte cu mediul socio-economic (in valoare mai mică de minimum 25000 lei) Valoare totală 59944,25 Euro	Da
3.	Recunoașterea și impactul activității (A3)	100 puncte	1096,79 p	Da
TOTAL:		530 puncte	2165,23 puncte	Da

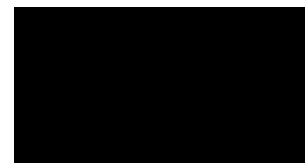
A1. ACTIVITATE DIDACTICĂ SI PROFESIONALĂ

Categorii și restricții	Indicatori unitari	Denumire	Punctaj
1.1 Carti/manuale/monografii/capitole in cărți de specialitate			
1.1.1 Cărți/ manuale/ monografii/ capitole de specialitate ca autor. Conditii minimale Profesor minimum 2 de prim autor; Realizat 7 cărți/capitole din care 4 ca prim autor	1.1.1.1. Internaționale	1. Udroiu, 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/(5*3)= 2,9 p
	nr. pag./(5·nr.autori)	2. Udroiu, 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/(5*1)= 2,8 p
		3. Udroiu, 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/(5*2)= 1,4 p
	1.1 .1 .2. Nationale (edituri recunoscute)		
	nr. pag./(10·nr.autori)	1. Udroiu, R., Materiale compozite. Tehnologii și aplicații în aviație, (2006). Editura: Universității Transilvania Brașov, ISBN:973-635-646-9, NrAutori:1, 318 pag.; Dovada	318/(10*1)= 31,8 p
		2. Ivan, N.V., Păunescu, T., Udroiu, R., Ivan MC, Găvrus, C., Pescaru, R. (2010). Tehnologia constructiilor de masini, vol.I, Teorie si abordari inovative, Editura Universitatii Transilvania	455/(10*6)= 7,58 p

		ISBN:978-973-598-759-6, 2010, 455 pag.;	
		3. Ivan, N. V., Berce, P., Drăgoi, M.,V., Oancea, Ivan, M.C., Gh., Bâlc, N., Lancea, C., Udroiu, 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/(10*11)= 3,67 p
		4. Postelnicu A., Deliu Gh., Udroiu R. , (2001). Teoria, performantele și construcția elicopterelor, Editura: Albastră, Grupul MicroINFORMATICA, ISBN:973-650-008-X, 2001, 401 pag.	401/(10*3)= 13,36 p
1.1 .2 Carti ca editor	1.1.2.1. Internationale		
Realizat 2 cărți ca editor in editură internațională	nr.pag./(10·nr.edit.)	1. Udroiu, 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	121/(10*2)= 6,05 p
		2. Udroiu, 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	160/(10*1)= 16 p
	1.1 .2.2. Nationale		
	nr.pag./(20·nr.edit.)		
TOTAL1.1.			85,56p
1.2 Alte materiale didactice - inclusiv in format electronic (pentru format electronic - echivalent format A4 text fara figuri cu minimum 3200 caractere inclusiv spatii)			
1.2.1 Suporturi de curs/Indrumare	nr.pag./(20·nr.autori)	1. Udroiu, 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 4 din care 2 prim autor.		2. Udroiu, R. (2022). Sisteme CAD/CAPP/CAM. Aplicatii in CATIA V5, Editura: Universității Transilvania din Brașov, ISBN: 978-606-19-1506-4, 2022, 170 pag.	170/20= 8,5p
Realizat 6 suporturi de curs/ indrumare din care 2 ca prim autor		3. Ivan, N., V., Drăgoi, M.,V., Păunescu T., Oancea, Gh., Lancea, C., Ivan, M., C., Lupulescu, N., Nedelcu, A., Udroiu, R. , (2002). Sisteme CAPP. Sisteme CAD/CAM și optimizări tehnologice. Aplicații în	277/(20*9)= 1,53p

		<p>construcția de mașini, Editura: Universității Transilvania din Brașov, ISBN:973-9474-38-1, 2002, 277 pag.</p> <p>4. Nedelcu A, Udroiu R., (2013). Automatizarea sistemelor de producție, Editura:LUX LIBRIS ISBN:978-973-131-240-8, 2013, 337 pag.</p> <p>5. Drăgoi, M., V, Udroiu, R., Vasiloni, A., M., (2003). Modelare 3D în AutoCAD 2002. Aplicații practice, Editura:Albastră, Grupul Microinformatica, Cluj-Napoca, ISBN:973-650-111-6, 2003, 150 pag.</p> <p>6. Postelnicu, A., Udroiu, R. (2000). Elicoptere – îndrumar de laborator, Editura: Universității Transilvania din Brașov, 2000, 150 pag.</p>	<p>Dovada</p> <p>337/(20*2)= 8,42p</p> <p>Dovada</p> <p>150/(20*3)= 2,5p</p> <p>Dovada</p> <p>150/(20*2)= 3,75p</p> <p>Dovada</p>
		TOTAL 1.2.	34,7 p
1.3 Coordonare de programe de studii, organizare si coordonare programe de formare continua			
Director/ Responsabil	15	<p>1. Program de formare continua postuniversitara Proiectare 3D avansata utilizând SolidWorks</p> <p>2. Program de studii de licență: Construcții aerospațiale</p>	<p>Dovada</p> <p>15p</p> <p>Dovada</p> <p>15p</p>
		TOTAL 1.3.	30 p
1.4 Dezvoltare de noi discipline {se puncteaza o singura data in cazul multiplicarii lor in programe de studii diferite}			
Titular	10	<p>1. Materiale compozite. Tehnologii si aplicații, Licenta CA, Departamentul Ingineria fabricației, Facultatea de Inginerie Tehnologica si Management Industrial, Universitatea Transilvania din Brașov, 2008.</p> <p>2. Tehnologii performante de fabricatie, Master IFI, Departamentul Ingineria fabricației, Facultatea de Inginerie Tehnologica si Management Industrial, Universitatea Transilvania din Brașov, 2009</p> <p>3. Fabricarea pieselor din mase plastice si compozite, Licenta TCM si IMC, Departamentul Ingineria fabricației, Facultatea de Inginerie Tehnologica si Management Industrial, Universitatea Transilvania din Brașov, 2023.</p>	<p>Dovada</p> <p>10 p</p> <p>Dovada</p> <p>10 p</p> <p>10 p</p>

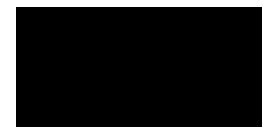
		<p style="text-align: right;">Dovada</p> <p>4. Inginerie concurenta, Master MPI Ib. franceza , Departamentul Ingineria fabricației, Facultatea de Inginerie Tehnologica si Management Industrial, Universitatea Transilvania din Brașov, 2008.</p> <p style="text-align: right;">Dovada</p> <p>5. Sisteme CAD-II, Licenta TCM franceza, Departamentul Ingineria fabricației, Facultatea de Inginerie Tehnologica si Management Industrial, Universitatea Transilvania din Brașov, 2008.</p> <p style="text-align: right;">Dovada</p> <p>6. Tehnologia structurii aeronavelor, Licenta CA, Departamentul Ingineria fabricației, Facultatea de Inginerie Tehnologica si Management Industrial, Universitatea Transilvania din Brașov, 2008.</p> <p style="text-align: right;">Dovada</p>	<p>10 p</p> <p>10 p</p> <p>10 p</p>
		TOTAL1.4.	60 p
1.5 Proiecte educationale (ERASMUS, Leonardo etc.)			
Director/ Responsabil	10 (ani desfasurare)	-	0 p
	Minimum 130p	Total punctaj pentru activitatea didactica și profesionala (A1):	85,56 p +34,7 p +30 p + 60 p =
			210,26 p



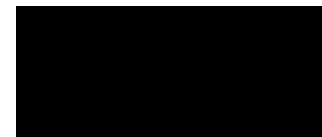
A2. ACTIVITATEA DE CERCETARE

Categorii și restricții	Indicatori unitari	Denumire	Punctaj
2.1 Articole indexate in reviste ISI Thomson Reuters si in volumele unor manifestari stiintifice indexate ISI Thomson Reuters, vizibile in baza de date			
<p>Condiții minimale De la ultima promovare: Minimum 8 articole, din care 3 in reviste, 3 minimum ca autor principal, pentru Profesor Pentru profesor si CS1 , incepand din 2018 minimum 1 articol in reviste din zona roșie sau galbenă Realizat 26 articole ISI din care 10 in reviste ISI 8 ca autor principal 6 articole in reviste din zona roșie (Q1) si 3 articole in reviste din zona galbenă (Q2)</p>	<p>Pentru reviste: (30+ 10· factor de impact)/ (nr. de autori) Dovada lista 26 articole ISI Link: https://www-webofscience-com.am.e-nformation.ro/wos/woscc/summary/74faa1a2-fa32-486c-bd69-43382344b34f-42d9ffcd/date-descending/1</p>	<p style="text-align: center;">Link Dovezi Articole poz1-10 indexate reviste ISI</p> <ol style="list-style-type: none"> 1. Udroiu, 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://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000754916900001 2. Udroiu, 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 3. Udroiu, 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://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000465025400057 	<p>(30+10 x 4,967)/1= 79,67 p</p> <p>(30+10 x 3,426)/2= 32,13 p</p> <p>(30+10 x 2,972)/3= 19,90 p</p>

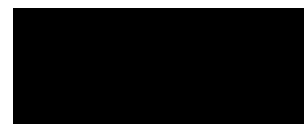
		<p>4. Udroiu, R.; Nedelcu, A., Deaky, B. (2011). Rapid manufacturing by polyjet technology of customized turbines for Renewable energy generation, Environmental Engineering and Management Journal, 10 (9), 1387, FI 1,435 (Q3), WOS:000296758400023; https://doi.org/10.30638/eemj.2011.197 https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000296758400023</p> <p>5. Udroiu, R.; Deaconu, A.M.; Nanau, C.-Ș. (2021). Data Delivery in a Disaster or Quarantined Area 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://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000660665200001</p> <p>6. Sabău, E.; Udroiu, R. (autor corespondent); 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://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000529252800161</p> <p>7. Bere, P.; Neamtu, C.; Udroiu, 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://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000586198100001</p>	<p>(30+10 x 1,435)/3= 14,78 p</p> <p>(30+10 x 3,576)/3= 21,92 p</p> <p>(30+10 x 2,474)/5= 10,94 p</p> <p>(30+10 x 3,426)/3= 21,42 p</p>
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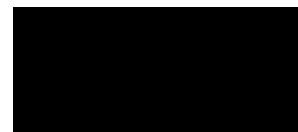
		<p>8. Zaharia, S.M.; Pop, M.A.; Udroiu, R. (2020). Reliability and Lifetime Assessment of Glider Wing's Composite Spar through Accelerated Fatigue Life Testing. <i>Materials</i>, 13, 2310, FI=3,057, SRI=1,173 (Q2 zona galbena), WOS: 000539277000102; https://doi.org/10.3390/ma13102310 https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000539277000102</p> <p>9. Deaconu, A.M.; Udroiu, R. (autor correspondent); Nanau, C.-Ș. (2021). Algorithms for Delivery of Data by Drones in an Isolated Area Divided into Squares. <i>Sensors</i>, 21, 5472, FI 3.576 (Q1 zona roșie), WOS: 000690125700001; https://doi.org/10.3390/s21165472 https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000690125700001</p> <p>10. Braga, I.C.; Udroiu, R. (autor correspondent); Nedelcu, A. (2022). Novel Method for Failure Modes Detection in UV-Cured Clear Coated Polymer for Automotive Interior Mechatronic Devices. <i>Polymers</i>, 14, 3811., FI=4.967, SRI=2,037 (Q1 zona roșie), WOS:000856724500001; https://doi.org/10.3390/polym14183811 https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000856724500001</p>	<p>(30+10 x 3,057)/3= 20,19p</p> <p>(30+10 x 3.576)/3= 21,92p</p> <p>(30+10 x 4.967)/3= 26.55p</p>
	<p>Pentru volume Conferițe ISI: 25/(nr.de autori)</p>	<p>Link Dovezi Articole poz11-26 indexate conferinte ISI</p> <p>11. Udroiu, R., Braga, I.C, (2017). Polyjet technology applications for rapid tooling, <i>Matec Web Conf.</i> Vol. 112, 2017, WOS: 000579349600046; https://doi.org/10.1051/matecconf/201711203011 https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000579349600046</p> <p>12. Udroiu, R., (2017). Research regarding reverse engineering for aircraft components, <i>Matec Web</i></p>	<p>25/2=12,5p</p> <p>25/1=25p</p>



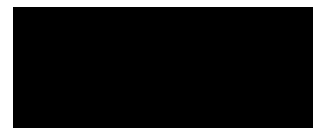
		<p>Conf. Vol. 94, WOS:000393034000012; https://doi.org/10.1051/matecconf/20179401012 https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000393034000012</p> <p>13. Udroiu, R., Deaky, B., (2011). Optimization of additive manufacturing by 3d printing for fit and functional testing, 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://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000393733400024</p> <p>14. Udroiu 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://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000276789200050</p> <p>15. Udroiu, 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://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000392260500280</p> <p>16. Udroiu, 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,</p>	<p>25/2=12,5p</p> <p>25/2=12,5p</p> <p>25/3=8,33p</p> <p>25/2=12,5p</p>
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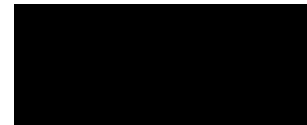
		<p>WOS:000282335600291; https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000282335600291</p>	
		<p>17. Udroiu, R., (2008). Integrated design and manufacturing system for blades mould. Annals of DAAAM for 2008 & Proceedings of the 19th International DAAAM Symposium, ISBN 978-3-901509-68-1, ISSN 1726-9679, 581, Vienna, Austria, 22-25th October 2008, WOS:000262860100708; https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000262860100708</p>	25/1=25 p
		<p>18. Braga, I.C; Udroiu, R.; Nedelcu, A. (2019). Improving the laser engraving quality of padpainted and spray-painted mechatronic devices, MATEC Web Conf., Vol. 299, 06004, WOS: 000568128200064; https://doi.org/10.1051/mateconf/201929906004 https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000568128200064</p>	25/3=8,33p
		<p>19. Braga, I.C; Nedelcu, A.; Udroiu, 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/mateconf/201817805010 https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000570197900068</p>	25/3=8,33p
		<p>20. Braga, I.C, Nedelcu, A., Udroiu, 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/mateconf/201713703002 https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-</p>	25/3=8,33p



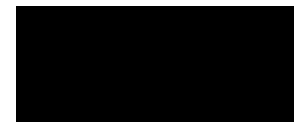
		<p>record/WOS:000426604200036</p> <p>21. Braga, I.C, Nedelcu, A., Udroiu, R., (2017). Risk reduction in dimension inspection of the plastic injection-molded parts from mechatronic devices by using optical 3D measuring techniques, Matec Web Conf. Vol. 94, WOS:000393034000044; https://doi.org/10.1051/matecconf/20179404001 https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000393034000044</p> <p>22. Braga, I.C, Nedelcu, A; Udroiu, 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://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000579349600059</p> <p>23. Deaky, B., Udroiu, 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://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000392260500076</p> <p>24. Dogaru, F., Udroiu, 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://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000282335600319</p>	<p>25/3=8,33p</p> <p>25/3=8,33p</p> <p>25/4=6,25p</p> <p>25/2=12,5p</p>
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		<p>25. Mihail, LA., Udroiu, 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://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000295540700023</p> <p>26. Manolescu A., Oancea Gh., Pescaru R., Udroiu 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://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000393733400078</p>	<p>25/2=12,5p</p> <p>25/5=5p</p>
			TOTAL Criteriu 2.1 = 455,65 p
2.2 Articole in reviste si volumele unor manifestari stiintifice indexate In alte baze de date internationale			
<p>Condiții minimale De la ultima promovare: Minimum 8 articole indexate BDI pentru profesor</p> <p>Realizat de la ultima promovare din 01.10.2008 13 articole indexate BDI</p>	15/nr. de autori	<p style="text-align: center;">Link Dovezi Articole poz1-13 indexate BDI</p> <p>1. Braga, I.C, Udroiu, 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</p> <p>2. Braga, I.C, Rusu, D., Udroiu, 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/mklp16/225-232.html</p>	<p>15/3=5p</p> <p>15/4=3.75p</p>



		<p>3. Udroiu, 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> <p>4. Udroiu, 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., Udroiu, 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. Udroiu, 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. Udroiu, 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=Udroiu%2C%20R.&db=edb&an=97897201</p>	<p>15/1=15p</p> <p>15/3=5p</p> <p>15/3=5p</p> <p>15/2=7,5p</p> <p>15/1=15p</p>
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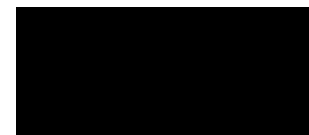


		<p>8. Udroiu, R., (2012). Powder bed additive manufacturing systems and its applications Academic journal of manufacturing engineering, vol.10 issue 4/2012, indexată EBSCO https://web.s.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&authtype=crawler&jrnl=15837904&AN=88315008&h=0oJyUXQ7J%2bkm17hibBcMkm8xZpX1%2fdskm8uTNMoPz8lrh1fIWWPIHfAAURfDX8nW9CDx2XAGoQYObEP8%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. Udroiu, 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=aQ3odghTkIAIOXnsn7DiEQWYS7ATFx2l4p0Ru%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>10. Morariu C, Zaharia S, Udroiu, 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=0I3IZEQB1xNwFiUEoBn4WWS7cZMR66XkCCwJHqMGHdfM ywg7zFC58YtZL%2fcaDJeYapuKQuTqtmPWK5m%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>11. Angi N, Udroiu 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-</p>	<p>15/1=15p</p> <p>15/1=15p</p> <p>15/3=5p</p> <p>15/2=7,5p</p>
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		<p>software?query=Design%20of%20a%20LSA%20aircraft%20using%20advanced%20software&requestCount=0&db=owf&an=103260785</p> <p>12. Braga C, Nedelcu A, Udroiu R, (2016). Improving the Organizational Performance in Automotive Manufacturing by Using Fast Response on Layers at Quality Issues, Applied Mechanics and 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. Udroiu 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>	<p>15/3=5p</p> <p>15/2=7,5p</p>
Total puncte Criteriu 2.2 =111,25 p			
2.3 Articole In extenso in reviste/ volumele unor manifestari stiintifice nationale/ internationale neindexate			
Se admit max. două articole la aceeași editie	6/ nr. autori (reviste)	<p style="text-align: center;">Link Dovezi Articole poz1-10 Reviste neindexate</p> <p>1. Udroiu, 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. Udroiu, 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>6/1=6p</p> <p>6/2=3p</p>



		<p>3. Pescaru-Folosea R., Ivan, N., V., Udroiu, 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>	6/4=1,5p
		<p>4. Ivan, N., V., Ivan, M., Udroiu, 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>	6/5=1,2p
		<p>5. Udroiu, 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>	6/3=2p
		<p>6. Udroiu, 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>	6/1=6p
		<p>7. Ivan, M., C., Udroiu, 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>	6/4=1,5p
		<p>8. Chicoș, L., Ivan, N., Udroiu, 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>	6/3=2p
		<p>9. Udroiu, 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>	6/1=6p
		<p>10. Udroiu, R., (2004). Machining strategies of constructive-technological features. StrategEnt</p>	6/1=6p

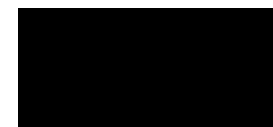


		software, Academic Journal of Manufacturing Engineering, vol. 2 nr.3, Editura Politehnica, Timișoara, ISSN 1583-7904, pag.55-61, CNCSIS tip B.	
	4/nr. autori (volume conferinte]	<p style="text-align: center;">Link Dovezi Articole poz1-29 Conferinte neindexate</p> <ol style="list-style-type: none"> 1. Udroiu, 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; 4/1=4p 2. Deaky, B., Lupulescu, N., Udroiu, 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 4/5=0.8p 3. Udroiu, 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; 4/2=2p 4. Comsa G., Udroiu, 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 4/2=2p 5. Udroiu, 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; 4/1=4p 	

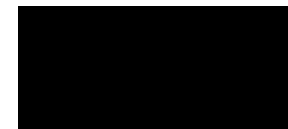
		<p>6. Udroiu, R., (2005). Software system for 3D parametrical modelling of helicopter blade, Conferinta științifică internațională "Tehnologii moderne, calitate, restructurare TMCR 2005", Universitatea Tehnică din Moldova, Editura U.T.M., 19-21 mai, 2005, Chișinău, Moldova, ISBN 9975-9875-7-5, pag. 409-412;</p> <p>7. Lancea, C., Udroiu, R., (2005). Determination the CNC path when milling complex shape pockets 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;</p> <p>8. Udroiu, 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;</p> <p>9. Udroiu, 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;</p> <p>10. Lancea, C., Udroiu, 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;</p> <p>11. Lancea, C., Udroiu, 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;</p>	<p>4/1=4p</p> <p>4/2=2p</p> <p>4/2=2p</p> <p>4/2=2p</p> <p>4/2=2p</p> <p>4/2=2p</p>
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		<p>12. Udroiu, 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;</p> <p>13. Udroiu, 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;</p> <p>14. Udroiu, 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;</p> <p>15. Udroiu, 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;</p> <p>16. Udroiu, R., (2003). Aspects concerning of the machining strategies in milling process, Proceedings of the 3rd International Conference Research and development in mechanical industry RaDM 2003, 14 - 18 September 2003, Herceg Novi, Serbia and Montenegro, 2003, ISBN 86-83803-06-6, pag.559-564;</p> <p>17. Udroiu, 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;</p> <p>18. Udroiu, R., (2003). Conception par entités de matrices de polymérisation, Conferinta ştiinţifică internaţională "Tehnologii moderne, calitate, restructurare TMCR 2003", vol. 3, Universitatea</p>	<p>4/1=4p</p> <p>4/1=4p</p> <p>4/2=2p</p> <p>4/1=4p</p> <p>4/1=4p</p> <p>4/1=4p</p> <p>4/1=4p</p>
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		<p>Tehnică din Moldova, 29 mai – 1 iunie, 2003, Chișinău, Moldova, ISBN 9975-9748-0-5, pag. 507-510</p> <p>19. Udroiu, R., (2003). Systèmes software pour la conception par entités de matrices de polymérisation, Conferința științifică internațională "Tehnologii moderne, calitate, restructurare TMCR 2003", vol. 3, Universitatea Tehnică din Moldova, 29 mai - 1 iunie, 2003, Chișinău, Moldova, ISBN 9975-9748-0-5, pag. 511-514 ;</p> <p>20. Rîmniceanu, V., Udroiu, 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;</p> <p>21. Udroiu, 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</p> <p>22. Udroiu, R., Ivan N, (2002). Aplicarea conceptului de inginerie simultană la pala de elicopter revista Volum:Proceedings of the C2I International Conference of Integrated Engineering, Timișoara, Editura Politehnica, România, ISBN:973-8247-92-6 ;</p> <p>23. Postelnicu A., Udroiu, 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;</p> <p>24. Martinescu I, Udroiu, 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;</p>	<p>4/1=4p</p> <p>4/2=2p</p> <p>4/2=2p</p> <p>4/2=2p</p> <p>4/2=2p</p> <p>4/2=2p</p>
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		<p>25. Udroiu, 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;</p> <p>26. Udroiu, 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;</p> <p>27. Postelnicu A., Martinescu I, Udroiu, 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 aviatie, Editura Academiei Tehnice Militare, București ;</p> <p>28. Postelnicu A., Martinescu I, Udroiu, 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 aviatie, Editura Academiei Tehnice Militare, București;</p> <p>29. Martinescu I, Barna, T., Udroiu, R. (1996). Aspecte privind proiectarea asistată de calculator a ștantelor și matritelor, În buletinul sesiunii Conferinței internaționale de comunicări științifice TMCM 96, vol. 2 Universitatea tehnică "Gh. Asachi", Iași.</p>	<p>4/2=2p</p> <p>4/2=2p</p> <p>4/3=1,33p</p> <p>4/3=1,33p</p> <p>4/3=1,33p</p>
			Total Criteriu 2.3= 109,99
2.4 Proprietate intelectuală, brevete de invenție si inovație, etc.			
	2.4.1 Internaționale		
	40/nr. de autori	-	0p
	2.4.2 Naționale		
	20/ nr. de autori	Dima, G, Balcu Gh, Udroiu R. (2019), Suport motor turbopropulsor, Nr. RO129076 B1 http://pub.osim.ro/publication-server/pdf-document?PN=RO129076%20RO%20129076&iDocId=11922&iepatch=.pdf	20/3=6,66p
			Total Criteriu 2.4= 6,66 p



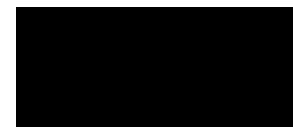
2.5 Granturi / proiecte câștigate prin competiție sau contracte cu mediul socio-economic (in valoare de minimum 25 000 lei, justificată cu documente care să ateste incasarea sumei)				
2.5.1 Director/Responsabil Conditii minimale -Minimum 2D sau 4R pentru Profesor Realizat in calitate de director -4D granturi internaționale Valoare 33000,94 Euro -19D contracte mediul socio-economic (in valoare mai mică de 25 000 lei) Valoare 26943,31 Euro Total valoare granturi/contracte in calitate de director: 59944,25 Euro	2.5.1.1 Internaționale	20· val/ (10 mii €)		
		Total valoare granturi internaționale in calitate de director 33000,94 Euro	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 Dovada	25.31p
			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 etapa 1 proiect: 7009,58 Euro Dovada	14,01p
			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, 2022-2023, centrul de cercetare: JSI Ljubljana, Slovenia, valoare proiect: 8778,56 Euro Dovada	17,55p
			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, 2021-2022, centrul de cercetare: JSI Ljubljana, Slovenia, valoare proiect: 4554 Euro Dovada	9,1p
	2.5.1.2 Nationale	10· val/ (10mii €)	-	
	2.5.1.3 Contracte nationale cu mediul socio-economic (in valoare de minimum 25 000 lei)			
		10· val/ (10mii €)		



2.5.1.4 Contracte naționale cu mediul socio-economic (in valoare mai mică de 25 000 lei)		
10. val/ (10mii €)	<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. aditional 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>	4,54 p
Total valoare 19 contracte cu mediul socio-economic in calitate de director 118535 lei (26943,31 Euro)	<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), 2016-2019, SC Gloriosa Com SRL (nr. 1968/28.11.2016)</p> <p>Valoare corectata 14757,76 lei=3316,35 Euro, (curs 4,45lei=1Eur din 30.03.2016)</p> <p>Dovada</p>	3,31p
	<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)</p> <p>Valoare 9817.51 lei =2111,29 Euro, (curs 4,65lei=1Eur din 20.12.2018)</p> <p>Dovada</p>	2,11 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)</p> <p>Valoare 3451 lei=740,55 Euro, (curs 4,66lei=1Eur din 30.06.2018)</p> <p>Dovada</p>	0,74 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)</p> <p>Valoare 8330 RON=1746,33Euro, (curs 4,77lei=1Eur din 19.11.2019)</p> <p>Dovada</p>	1,74 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</p>	



		<p>Gloriosa Com SRL (nr. 128/10.11.2016) Valoare 8071 lei=1789,62 Euro, (curs 4,51lei=1Eur din 30.11.2016) Dovada</p>	1,78 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>	2,56p
		<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) Valoare 3603.72 lei=809.82 Euro, (curs 1Eur=4,45lei 30.03.2016) Dovada</p>	0,8 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>	0,26 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>	2 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>	2,03 p



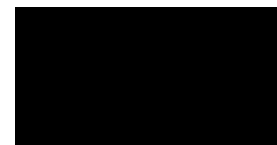
		<p>12. Cercetari privind tehnologia reverse engineering pentru motoare, Contract de cercetare științifică cu mediul socio-economic, Universitatea Transilvania din Brașov (nr. 17918/ 23.12.2016 act aditional 996/ 27.01.2017), 2016-2017, Tata Technologies SRL (nr.17/23.12.2016) Valoare 5950.22 lei=1313.51 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 mediul socio-economic, Universitatea Transilvania din Brașov (nr. 9997/2010), 2010-2011, SC WENGLOR ELECTRONIC SRL (nr. 652/16.09.2012) Valoare 2928 lei=719.41 Euro (curs 4,07lei=1Eur din 30.03.2010) Dovada</p> <p>15. Cercetari teoretice si experimentale privind prototiparea rapida a componentelor din produsele electronice si optice, Contract de cercetare științifică cu mediul socio-economic, Universitatea Transilvania din Brașov (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) Dovada</p> <p>16. Cercetari experimentale privind fabricatia rapida a sistemului de inchidere a dulapurilor industriale, Contract de cercetare științifică cu mediul socio-economic, Universitatea Transilvania din Brașov (nr. 3349/2011), 2011, ELDON Romania SRL (nr.15/4.03.2011) Valoare 1123 lei=264 Euro, (curs 4,25lei=1Eur din 30.01.2011) Dovada</p> <p>17. Cercetari experimentale privind fabricatia rapida a componentelor din plastic ale dulapurilor industriale, Contract de cercetare științifică cu mediul socio-economic, Universitatea Transilvania din Brașov (nr. 9290/2010), 2010, ELDON Romania SRL (nr.20/14.07.2010)</p>	<p>1,13 p</p> <p>0,91 p</p> <p>0,71 p</p> <p>0,32p</p> <p>0,26 p</p>
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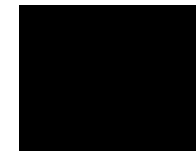
		<p>Valoare 1076 lei=264.37 Euro, (curs 4,07lei=1Eur din 30.03.2010) Dovada</p> <p>18. Conceptia produselor si matritelor, prototipare rapida si fabricatia rapida a sculelor, Contract de cercetare științifică cu mediul socio-economic, Universitatea Transilvania din Brașov (nr. 5516 / 2009, act. adit. 1967/ 18.02.2009), 2008-2009, SC Compozite SRL (nr. 02/21.04.2008, act. adit. 027/12.02.2009)</p> <p>Valoare 2872.66 lei=683 Euro, (curs 4,20lei=1Eur din 30.06.2009) Dovada</p> <p>19. Cercetari teoretice si experimentale privind fabricatia rapida prin metoda Polyjet a prototipurilor specificate de beneficiar, Contract de cercetare științifică cu mediul socio-economic, Universitatea Transilvania din Brașov (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) Dovada</p>	<p>0,26 p</p> <p>0,68 p</p> <p>0,52 p</p>
		Total Criteriu 2.5.1 = 92,63 p	
2.5.2 Membru in echipă	2.5.2.1 Internaționale	<p>4 · nr. ani participare in proiect</p> <p>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: 1, Calitate: membru; Director proiect: conf.dr.ing. Folea Milena</p> <p style="text-align: right;">Dovada</p>	4p
	1.5.2.2 Naționale	<p>2 · nr. ani participare</p> <p>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</p> <p style="text-align: right;">Dovada</p> <p>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</p>	<p>6p</p> <p>4p</p>



		<p style="text-align: right;">Dovada</p> <p>3. IMAN-Inovative Manufacturing Network, Nr. Contract: Proiect CEEX/PCD, Nr. 41/7.10.2005 2005-2008, Nr ani derulare: 3, Calitate: membru; Director de proiect: Prof.dr.ing. Ivan Nicolae-Valentin</p>	6p
		<p style="text-align: right;">Dovada</p> <p>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 Humenic</p>	6p
		<p style="text-align: right;">Dovada</p> <p>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</p>	8p
		<p style="text-align: right;">Dovada</p> <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. Nouraș Barbu Lupulescu</p>	6p
		<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>	2p
		<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>	6p
		<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>	2p
		<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 -</p>	2p



		tema 12, Cod CNCISIS: 609 perioada:2003-2004, Nr ani derulare:1, Calitate: membru; Director de proiect: Prof.dr.ing. Nouras Lupulescu	
			Dovada
			Total Criteriu 2.5.2= 42 p
			Total 2.5. =92,63 p + 42 p = 134,63 p
2.6 Coordonare/dezvoltare laborator/centru cercetare (dacălaboratorul este si didactic, punctajul se ia in calcul o singura dată)			
Responsabil	40	1. Laborator Tehnologii integrate de fabricatie, Sectiunea: Tehnologii industriale inovative perioada:2007-prezent	40p
			Dovada
			Total Criteriu 2.6= 40p
	Minim 300 p	Total punctaj pentru activitatea de cercetare (A2): 455,65p+111,25 p+109,99 p+6,66 p+134,63 p +40p=	858,18 p



A3. RECUNOAȘTEREA SI IMPACTUL ACTIVITĂȚII

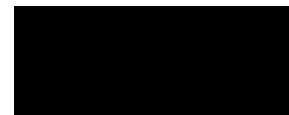
Categorii și restricții	Indicatori unitari	Denumire	Punctaj
3.1 Vizibilitate in baze de date internaționale			
Număr de citări in publicații (fără autocitări)	3.1 .1 Citări in articole indexate ISI 143 citări ISI ale articolelor indexate ISI (fara autocitari), 32 citari ISI ale altor articole (fără autocitări) H-index Web of Science =7; H-index Scopus =7; H-index Scholar=10; Link raport citări: https://www-webofscience-com.am.e-nformation.ro/wos/woscc/citation-report/08e5bbc4-fc7a-4988-870d-95e84d729188-41c3a02a https://www-webofscience-com.am.e-nformation.ro/wos/woscc/citing-articles-refs-search/cd6d803c-12ed-4ed8-90d5-19b6d6436147-4e568fa0/author-ascending/1 https://www-webofscience-com.am.e-nformation.ro/wos/woscc/summary/73496b4a-bb37-456c-bcf3-e100aefac3a8-4e768a84/relevance/1		
	10/nr. autori art. citat	Articol citat	Articol care citează
	Udroiu, R. ; Braga, I.C.; Nedelcu, A. Evaluating the Quality Surface Performance of Additive Manufacturing Systems: Methodology and a Material Jetting Case Study. <i>Materials</i> 2019 , 12, 995 32 citări ISI (fără autocitări) Dovada1 Link raport citari articol: https://www-webofscience-com.am.e-nformation.ro/wos/woscc/summary/4dbbe6e9-1e89-4342-9b60-70b230c6ac59-41c57277/date-descending/1	<ol style="list-style-type: none"> Kim, T; Kim, JG; (...); Jung, ID, Virtual surface morphology generation of Ti-6Al-4V directed energy deposition via conditional generative adversarial network, <i>Virtual and Physical Prototyping</i>, 2023, WOS:000861378900001 Kumar, SA; Kushwaha, A; (...); Barad, S, Surface Texture and Microstructural Characterization of Thin-Walled Ti6Al4V Part Processed Using Laser Powder Bed Fusion Technique: Effect of Build Direction, <i>Journal Of Testing And Evaluation</i>, 2022, WOS:000897713500001 Sun, B and Wu, LX, Research progress of 3D printing combined with thermoplastic foaming, <i>Frontiers In Materials</i>, 2022 WOS:000898137000001 Qin, J.; Hu, F.; Liu, Y.; Witherell, P.; Wang, C.C.; Rosen, D.W.; 	32citari x 10/3autori = 106,66p



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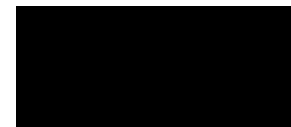
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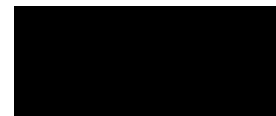
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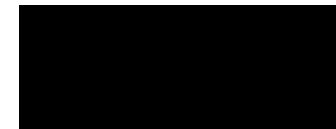
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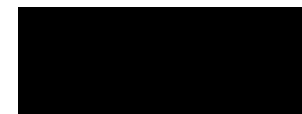


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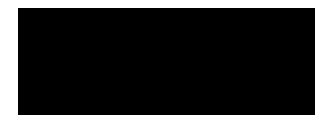
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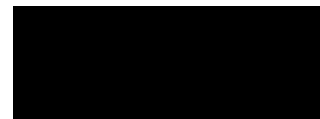
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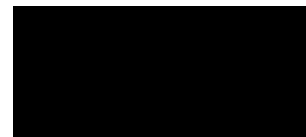


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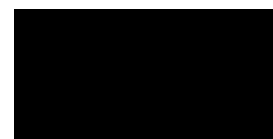


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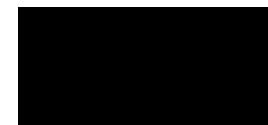
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		<p>Udroiu, R., (2012). Powder bed additive manufacturing systems and its applications Academic journal of manufacturing engineering, vol.10 issue 4/2012, indexată EBSCO</p> <p>15 citari ISI (fără autocitări) Dovada19</p> <p>Link citari (Ref 1-11): https://www-webofscience-com.am.e-nformation.ro/wos/woscc/summary/9ec69c4f-2c8f-4a6e-951b-fe0e8808986d-4e578f2d/date-descending/1</p> <p>Link citari (Ref 12, 13): https://www-webofscience-com.am.e-nformation.ro/wos/woscc/summary/df14574f-caf9-4120-9f53-35039f27cab4-4e58f7f8/date-descending/1</p>	<ol style="list-style-type: none"> 1. Uralde, V; Veiga, F; (...); Ballesteros, T, Symmetry and Its Application in Metal Additive Manufacturing (MAM), SYMMETRY-BASEL, 2022, WOS:000856822700001 2. Pant, M; Nagdeve, L; (...); Kumar, H, Estimation of Measurement Uncertainty of Additive Manufacturing Parts to Investigate the Influence of Process Variables, MAPAN-JOURNAL OF METROLOGY SOCIETY OF INDIA, 2022, WOS:000841038500001 3. Machado, M; Oliveira, E; (...); Sousa, J, DEVELOPMENT OF A DIGITAL TWIN FOR ADDITIVE MANUFACTURING, ASME International Mechanical Engineering Congress and Exposition (IMECE), 2022, WOS:000883009600019 4. de Jesus, J; Borrego, LP; (...); Capela, C, Effect of artificial saliva on the fatigue and wear response of TiAl6V4 specimens produced by SLM, 1ST VIRTUAL EUROPEAN CONFERENCE ON FRACTURE – VECF, 28, 2020, pp.790-795, WOS:000632387500092 5. Obeid, B; Pietroy, D; (...); Rousseau, JJ, Additive manufacturing of magnetic materials using selective laser melting, Conference on 3D Printed Optics and Additive Photonic Manufacturing II, 2020, 	<p>15 citari x 10 / 1 autori =150 p</p>



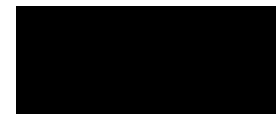
		<p>Link citari (Ref 14): https://www-webofscience-com.am.e-nformation.ro/wos/woscc/summary/58c50778-3995-411d-abfb-edc0b5ed9a66-4e70958e/date-descending/1</p> <p>Link citari (Ref 15): https://www-webofscience-com.am.e-nformation.ro/wos/woscc/summary/656ab682-4427-4cc2-be81-1b57eba5c995-4e70db8c/date-descending/1</p>	<p>WOS:000569593800012</p> <p>6. Hitzler, L; Merkel, M; (...); Ochsner, A, A Review of Metal Fabricated with Laser- and Powder-Bed Based Additive Manufacturing Techniques: Process, Nomenclature, Materials, Achievable Properties, and its Utilization in the Medical Sector, ADVANCED ENGINEERING MATERIALS , May 2018, 20 (5), WOS:000433331400003</p> <p>7. Yakout, M; Elbestawi, MA and Veldhuis, SC, On the characterization of stainless steel 316L parts produced by selective laser melting, INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, Mar 2018, 95 (5-8) , pp.1953-1974, WOS:000426055600030</p> <p>8. Moghaddam, NS; Jahadakbar, A; (...); Elahinia, M, Recent Advances in Laser-Based Additive Manufacturing, LASER-BASED ADDITIVE MANUFACTURING OF METAL PARTS: MODELING, OPTIMIZATION, AND CONTROL OF MECHANICAL PROPERTIES, Book Series Advanced and Additive Manufacturing Series, 2018 WOS:000460330000002</p> <p>9. Yakout, M; Cadamuro, A; (...); Veldhuis, SC, The selection of process parameters in additive manufacturing for aerospace alloys, INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, Sep 2017, 92 (5-8) , pp.2081-2098, WOS:000408275000045</p> <p>10. Bhavar, V; Kattire, P; (...); Singh, R, A review on powder bed fusion technology of metal additive manufacturing, 2017, ADDITIVE MANUFACTURING HANDBOOK: PRODUCT DEVELOPMENT FOR THE DEFENSE INDUSTRY, pp.251-261, WOS:000481898900016</p> <p>11. Matena, J; Petersen, S; (...); Nolte, I, SLM Produced Porous Titanium Implant Improvements for Enhanced Vascularization and Osteoblast Seeding, INTERNATIONAL JOURNAL OF MOLECULAR</p>	
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				Total puncte citari ISI	818,63 p
3.1 .2 Citări In articole indexate BDI					
5/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. <i>Materials</i> 2019, 12, 995</p> <p>3 citari BDI (fără autocitări) Dovada1</p> <p>Link citari articol in Scopus: https://www-scopus-com.am.e-nformation.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>	<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. <i>Engineering Research Express</i> 2022, 4, 025013. Link citare https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-85129662213&origin=resultlist&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= 2. Javaid, M.; Haleem, A. 3D bioprinting applications for the printing of skin: A brief study. <i>Sensors International</i> 2021, 2, 100123. Link citare https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-85122039787&origin=resultlist&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= 		3 citari x 5 / 3 autori = 5 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-nformation.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=	
	Bere, P.; Neamtu, C.; Udroiu, R. Novel Method for the Manufacture of Complex CFRP Parts Using FDM-based Molds. Polymers 2020 , 12, 2220 1 citari BDI (fără autocitări) Dovada2	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-nformation.ro/record/display.uri?eid=2-s2.0-85123843412&origin=resultslist&sort=plf-f&cite=2-s2.0-85092756484&src=s&imp=t&sid=484c5dae0afd4cada4b5c7c01ea4bad6&sot=cite&sdt=a&sl=0&relpos=2&citeCnt=0&searchTerm=	1 citari x 5 / 3 autori = 1,66 p	
	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 5 / 2 autori = 2,5 p	
			Total puncte citari BDI	9,16 p
3.1 .3 Citări in alte publicații				
3/nr.autori	Articol citat		Articol care citeaza	

	art.citat			
		-		0 p
			Total puncte C3.1= 818,63 p+ 9,16p =	827,79 p
3.2 Prezentari efectuate ca invitat/invitata in plenul unor manifestari stiintifice nationale si internationale si Profesor invitat (exclusiv Erasmus)				
Număr de prezentari	3.2.1 In străinătate			
		20		0 p
	3.2.2 In țară			
		10		0 p
3.3 (a) Membru in colectivele de redactie sau comitete stiintifice ale revistelor si manifestarilor stiintifice, organizator de manifestari stiintifice				
(b) Recenzent pentru reviste si manifestari stiintifice nationale si internationale indexate ISI				
Punctajul se ia in calcul o singură dată pentru o revistă sau o manifestare științifică	3.3.1 Indexate ISI			
		10		
	1.Recenzent pentru 17 reviste ISI 17 x 10=170 p		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	10 p Dovada
	Articole ISI recenzate: 62 Link dovada: https://publons.com/wos-op/researcher/1362966/razvan-udroi/peer-review/		2. Membru In Comitetul de recenzori al revistei Measurement , Elsevier, ISSN 0263-2241 https://www.journals.elsevier.com/measurement	10 p Dovada
	2.Recenzent pentru 1 manifestări științifice internaționale indexate ISI 1 x 10=10 p		3. Membru In Comitetul de recenzori al revistei IEEE Access , IEEE, ISSN 2169-3536 https://ieeexplore.ieee.org/document/7042373	10 p Dovada
			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	10 p Dovada
			5. Membru In Comitetul de recenzori al revistei Vacuum , Elsevier, ISSN 0042-207X https://www.sciencedirect.com/journal/vacuum	10 p Dovada
			6. Membru in Comitetul de recenzori al revistei International Journal of Energy Research , Wiley, ISSN: 1099-114X, https://onlinelibrary.wiley.com/journal/1099114x	10 p Dovada



	7. Membru In Comitetul de recenzori al revistei Materials , ISSN 1996-1944, https://www.mdpi.com/journal/materials	Dovada	10 p
	8. Membru In Comitetul de recenzori al revistei Energies , ISSN 1996-1073, https://www.mdpi.com/journal/energies	Dovada	10 p
	9. Membru In Comitetul de recenzori al revistei Applied Sciences , ISSN 2076-3417, https://www.mdpi.com/journal/applsci	Dovada	10 p
	10. Membru In Comitetul de recenzori al revistei Metals , ISSN 2075-4701, https://www.mdpi.com/journal/metals	Dovada	10 p
	11. Membru In Comitetul de recenzori al revistei Coatings , ISSN 2079-6412 https://www.mdpi.com/journal/coatings	Dovada	10 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 https://www.mdpi.com/journal/polymers https://www.mdpi.com/journal/polymers/special_issues/Advances_Reinforced_Polymeric_Composites	Dovada	10 p
	13. Membru In Comitetul de recenzori al revistei Sensors , ISSN 1424-8220 https://www.mdpi.com/journal/sensors	Dovada	10 p
	14. Membru In Comitetul de recenzori al revistei Drones , ISSN 2504-446X https://www.mdpi.com/journal/drones	Dovada	10 p
	15. Membru In Comitetul de recenzori al revistei Fractal and Fractional , ISSN 2504-3110 https://www.mdpi.com/journal/fractalfract	Dovada	10 p
	16. Membru In Comitetul de recenzori al revistei Crystals , ISSN 2073-4352	Dovada	10 p

		<p>https://www.mdpi.com/journal/crystals</p> <p>17. Membru In Comitetul de recenzori al revistei Machines, ISSN 2075-1702 https://www.mdpi.com/journal/machines</p> <p>18. 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/comittees/</p>	<p>Dovada</p> <p>10 p</p> <p>Dovada</p> <p>10 p</p> <p>Dovada</p>
Total C3.3.1 Indexate ISI =180 p			
3.3.2 Indexate BDI			
	<p style="text-align: center;">8</p> <p>1. Recenzent pentru 2 reviste BDI 2 x 8=16 p</p> <p>1. Membru in comitetul stiintific pentru 3 conferințe internaționale BDI 3 x 8=24 p</p>	<p>1. Membru In Comitetul de recenzori al revistei Acta Innovations, ISSN 2300-5599 https://www.proakademia.eu/en/acta-innovations/about-journal/</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</p> <p>3. 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&usq=AOvVaw3raXL2bzRntYnUX822MfG6 Indexata in ACM: https://dl.acm.org/doi/abs/10.5555/1991147</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</p>	<p>Dovada</p> <p>8 p</p> <p>Dovada</p> <p>8 p</p> <p>Dovada</p> <p>8 p</p> <p>Dovada</p> <p>8 p</p>

		<p>Indexata in IOP: https://iopscience.iop.org/issue/1757-899X/1009/1</p> <p>5. Membru in comitetul de recenzori ai IEEE International Workshop on Metrology for AeroSpace, MetroAeroSpace 2022 https://ieee-ims.org/metroaerospace-2022</p> <p>Indexata in IEEE Xplore: https://0a10623kh-y-https-ieeeexplore-ieee-org.z.e-nformation.ro/xpl/conhome/9855893/proceeding</p>	<p>Dovada</p> <p>8 p</p> <p>Dovada</p>
			Total C3.3.2 Indexate BDI =40 p
3.3.3 Naționale si internaționale neindexate			
	<p>5</p> <p>Membru in comitetul științific pentru 1 conferință internațională 1 x 5=5 p</p>	<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 https://conferences.ulbsibiu.ro/mse/06.international_committee.html</p>	<p>5 p</p> <p>Dovada</p>
			Total puncte C3.3= 180p + 40p + 5p =
225 p			
3.4 Experiență de management, analiză si evaluare in cercetare si /sau învățământ			
	3.4.1 Conducere		
	5 ani desfasurare	-	0 p
	3.4.2 Membru		
	2 ani desfasurare	1. Membru in Consilul Facultății ITMI, 2010-2012, nr ani desfasurare:3	<p>6 p</p> <p>Dovada</p>
			Total puncte C3.4
6 p			
3.5 Premii			
	3.5.1 Academia Romană		
	30		0 p
	3.5.2 ASAS, AOSR, academii de ramura si CNCS		
	15		0 p

3.5.3 Premii internaționale		
10	<ol style="list-style-type: none"> 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; Udroi, R.; Nedelcu, A., MTeM 2019, Cluj Napoca Dovada 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.; Udroi, R. , IMANEE 2018, Chisinau, Republica Moldova Dovada 	10 p 10 p
3.5.4 Premii naționale in domeniu		
5	<ol style="list-style-type: none"> Diploma din partea Asociatiei Generale a Inginerilor din România (AGIR), Societatea de rezistenta materialelor pentru continutul și valoarea cărții intitulată Teoria, Performantele și Constructia elicopterelor, An acordare:2001 Dovada 	5 p
		Total puncte C3.5 25 p
3.6 Membru in academii, organizatii, asociatii profesionale de prestigiu, nationale si internationale, apartenenta la organizatii din domeniu educatiei si cercetarii		
3.6.1 Academia Română		
100		0 p
3.6.2 ASAS, AOSR și academii de ramură		
20		0 p
3.6.3 Conducere asociații profesionale		
3.6.3.1 Internaționale		
30		0 p
3.6.3.2 Naționale		
10		0 p
3.6.4 Asociații profesionale		
3.6.4.1 Internaționale		



	5	1. Membru in IAENG Society of Industrial Engineering, http://www.iaeng.org/	Dovada	5 p
		2. Membru in IAENG Society of Mechanical Engineering, http://www.iaeng.org/	Dovada	5 p
3.6.4.2 Naționale				
	3	1. Membru in Asociatia Universitara de Ingineria Fabricatiei din România – AUIF	Dovada	3 p
3.6.5 Organizații in domeniul educației și cercetării				
3.6.5.1 Conducere				
	10			0 p
3.6.5.2 Membru				
	5			0 p
Total puncte 3.6				13 p
	Minim 100 p	Total punctaj pentru activitatea recunoasterea si impactul activitatii (A3): 827,79+0+225+6+25+13 =		1096,79 p

30.03.2023

Conf. dr. ing. Răzvan Udroiou

