FISA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR MINIMALE CNATDCU-PROFESOR

Domeniul fundamental: Științe inginerești

Domeniul: Inginerie industrială

Comisia CNATDCU de specialitate: Ingineria şi managementul producției

Candidat : 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
1.	Activitatea didactică şi profesională (A1)	130 puncte	218,26 puncte
2.	Activitatea de cercetare (A2)	300 puncte	974,38 puncte
3.	Recunoaşterea si impactul activității (A3)	100 puncte	1396,12 puncte
	TOTAL:	530 puncte	2588,76 puncte

Nr. crt.	Domeniul de activitate	Condiții minimale pentru Profesor / Abilitare	Realizat
1.	Activitatea didactică si profesională (A1)	130 puncte	218,26 puncte
		1.1. Carti/ manuale/ monografii/ capitole de specialitate ca autor. • Profesor: minimum 2 de prim autor;	8 cărti/capitole din care 5 ca prim autor
		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
2.	Activitatea de cercetare (A2)	300 puncte	974,38 puncte
		2.1 Articole indexate in reviste ISI Thomson Reuters şi in volumele unor manifestări ştiintifice 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 roşie sau galbenă	29 articole ISI din care • 13 in reviste ISI • 9 ca autor principal • 9 articole in reviste din zona roşie • 3 articole in reviste din zona galbenă
		2.2 Articole in reviste si volumele unor manifestari ştiințifice indexate In alte baze de date internaționale • De la ultima promovare: minimum 8 pentru profesor	• 13 articole indexate In alte baze de date internationale
		2.5 Granturi / proiecte câştigate prin competiție sau contracte cu mediul socio-economic (in valoare de minimum 25000 lei) • Director/Responsabil -Minimum 2D sau 4R pentru Profesor	4D proiecte câştigate prin competiție internațională si 19D contracte cu mediul socio-economic (in valoare mai mică de minimum 25000 lei) Valoare totală 59944,25 Euro
3.	Recunoaşterea si impactul activității (A3)	100 puncte	1396,12 p
TOTAL:		530 puncte	2588,76 puncte

A1. ACTIVITATE DIDACTICĂ SI PROFESIONALĂ

Categorii şi restricţii	Indicatori unitari	Denumire	Punctaj
1.1 Carti/manuale/monografii/capitole in cărti de specialitate			
1.1.1 Cărți/ manuale/ monografii/ capitole de specialitate ca autor. Conditii minimale Profesor minimum 2 de prim autor; Realizat 8 cărți/capitole din care 5 ca prim autor	1.1.1.1. Internaționale		
	nr. pag./(5·nr.autori)	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 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 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	29/(5*3)= 2,9 p 14/(5*1)= 2,8 p 14/(5*2)= 1,4 p
	1.1 .1 .2. Nationale (edituri recunoscute)		
	nr. pag/(10·nr.autori)	1. Udroiu 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 2. Udroiu, R., Materiale compozite. Tehnologii şi aplicații în aviație, (2006). Editura: Universității	240/ (10*3)= 8p 318/(10*1)=

		Transilvania Braşov, ISBN:973-635-646-9, NrAutori:1, 318 pag.; Dovada 3. Ivan, N.V., Păunescu, T., Udroiu, R., Ivan MC, Găvruş, 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.; Dovada 4. 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 şi practică, Editura Tehnică, Bucureşti, ISBN:973-31-1530-4, 2004, 404 pag. Dovada 5. Postelnicu A., Deliu Gh., Udroiu R., (2001). Teoria, performantele şi construcția elicopterelor, Editura: Albastră, Grupul MicroINFORMATICA, ISBN:973-650-008-X, 2001, 401 pag. Dovada	31,8 p 455/(10*6)= 7,58 p 404/(10*11)= 3,67 p 401/(10*3)= 13,36 p
1.1 .2 Cartl 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 Dovada 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 Dovada	121/(10*2)= 6,05 p 160/(10*1)= 16 p
	1.1 .2.2. Nationale		
	nr.pag./(20·nr.edit.)		
		TOTAL1.1.	93,56p
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 Conditii minimale Profesor: Minimum 4 din care 2 prim autor.	nr.pag./(20·nr.autori)	1. Udroiu, R. (2022). Sisteme CAD/CAM. Aplicatii in SolidWorks, Editura: Universității Transilvania din Braşov, ISBN: 978-606-19-1505-7, 2022, 200 pag. Dovada 2. Udroiu, R. (2022). Sisteme CAD/CAPP/CAM. Aplicatii in CATIA V5, Editura: Universității	200/20= 10p 170/20=

Realizat 6 suporturi de curs/ indrumare din care 2 ca prim autor		Transilvania din Braşov, ISBN: 978-606-19-1506-4, 2022, 170 pag. Dovada 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 şi optimizări tehnologice. Aplicații în construcția de maşini, Editura: Universității Transilvania din Braşov, ISBN:973-9474-38-1, 2002, 277 pag. Dovada 4. Nedelcu A, Udroiu R., (2013). Automatizarea sistemelor de producție, Editura:LUX LIBRIS ISBN:978-973-131-240-8, 2013, 337 pag. Dovada 5. Drăgoi, M., V, Udroiu, 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 6. Postelnicu, A., Udroiu, R. (2000). Elicoptere – indrumar de laborator, Editura: Universității Transilvania din Braşov, 2000, 150 pag. Dovada	8,5p 277/(20*9)= 1,53p 337/(20*2)= 8,42p 150/(20*3)= 2,5p 150/(20*2)= 3,75p
		TOTAL 1.2.	34,7 p
1.3 Coordonare de programe de studii, organizare si coordonare programe de formare continua			
Director/ Responsabil	15	1. Program de formare continua postuniversitara Proiectare 3D avansata utilizând SolidWorks Dovada 2. Program de studii de licența: Construcții aerospațiale Dovada	15p 15p
		TOTAL1.3.	30 p
1.4 Dezvoltare de noi discipline {se puncteaza o singura data in cazul multiplicarii lor in programe de studii diferite}			
Titular	10	1. Materiale compozite. Tehnologii si aplicații, Licenta CA, Departamentul Ingineria fabricației, Facultatea de Inginerie Tehnologica si Management Industrial, Universitatea Transilvania din Brașov, 2008. Dovada 2. Tehnologii performante de fabricatie, Master IFI, Departamentul Ingineria fabricației, Facultatea de Inginerie Tehnologica si Management Industrial, Universitatea Transilvania din Brașov, 2009	10 p 10 p

		Dovada 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. Dovada 4. Inginerie concurenta, Master MPI lb. franceza , Departamentul Ingineria fabricației, Facultatea de Inginerie Tehnologica si Management Industrial, Universitatea Transilvania din Brașov, 2008. Dovada 5. Sisteme CAD-II, Licenta TCM franceza, Departamentul Ingineria fabricației, Facultatea de Inginerie Tehnologica si Management Industrial, Universitatea Transilvania din Brașov, 2008. Dovada 6. Tehnologia structurii aeronavelor, Licenta CA, Departamentul Ingineria fabricației, Facultatea de Inginerie Tehnologica si Management Industrial, Universitatea Transilvania din Brașov, 2008. Dovada	10 p 10 p 10 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 şi profesionala (A1): 93,56 p +34,7 p +30 p + 60 p =	218,26 p

A2. ACTIVITATEA DE CERCETARE

Categorii şi restricţii	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			
Condiţii 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 roşie sau galbenă Realizat 26 articole ISI din care 10 in reviste ISI 8 ca autor principal 6 articole in reviste din zona roşie (Q1) si 3 articole in reviste din zona galbenă (Q2)	Pentru reviste: (30+ 10· factor de impact)/ (nr. de autori) Dovada lista 29 articole ISI Link: https://0a10quawn-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/summary/c802da73-91d5-4249-9c98-b92480a3dcf9-0138ce50e2/relevance/1	Link_Dovezi_Articole_poz1-13_indexate_reviste_ISI 1. Biruk-Urban, K. ; Bere, P ; Udroiu, 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 2. Roibu, A; Udroiu, 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 3. Udroiu, 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 4. Udroiu, R. (2022). New Methodology for Evaluating Surface Quality of Experimental Aerodynamic	(30+10 x 4,7)/5= 15,4 p (30+10 x 7,4)/5=20,8p (30+10 x 5)/1= 80 p

		Models Manufactured by Polymer Jetting Additive Manufacturing, Polymers, 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	(30+10 x 4,967)/1= 79,67 p
		5. Udroiu, R.; Braga, I.C. (2020). System Performance and Process Capability in Additive Manufacturing: Quality Control for Polymer Jetting, Polymers, 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	(30+10 x 3,426)/2= 32,13 p
		6. Udroiu, R.; Braga, I.C.; Nedelcu, A. (2019). Evaluating the Quality Surface Performance of Additive Manufacturing Systems: Methodology and a Material Jetting Case Study. Materials, 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	(30+10 x 2,972)/3= 19,90 p
		7. 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://0a10quawn-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000296758400023	(30+10 x 1,435)/3= 14,78 p
		8. Udroiu, R.; Deaconu, A.M.; Nanau, C.-Ş. (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;	(30+10 x

		https://doi.org/10.3390/s21113572 https://0a10quawn-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000660665200001	3,576)/3= 21,92 p
		9. Sabău, E.; Udroiu, R. (autor correspondent); Bere, P.; Buranský, I.; Miron-Borzan, C.-Ş. 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	(30+10 x 2,474)/5= 10,94 p
		10. 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://0a10quawn-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000586198100001	(30+10 x 3,426)/3= 21,42 p
		11. Zaharia, S.M.; Pop, M.A.; Udroiu, 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	(30+10 x 3,057)/3= 20,19p
		12. Deaconu, A.M.; Udroiu, R. (autor correspondent); Nanau, C.-Ş. (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; https://doi.org/10.3390/s21165472 https://0a10quawn-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-	(30+10 x 3.576)/3= 21,92p

		record/WOS:000690125700001 13. 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. 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	(30+10 x 4.967)/3= 26.55p
	Pentru volume Conferințe ISI: 25/(nr.de autori)	Link_Dovezi_Articole_poz14-29_indexate_conferinte_ISI 14. Udroiu, 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 15. Udroiu, 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 16. 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://0a10quawn-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000393733400024 17. Udroiu R., Mihail L., (2009). Experimental determination of surface roughness of parts obtained by	25/2=12,5p 25/1=25p 25/2=12,5p

		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	25/2=12,5p
		18. 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://0a10quawn-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000392260500280	25/3=8,33p
		19. 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, WOS:000282335600291; https://0a10quawn-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000282335600291	25/2=12,5p
		20. 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://0a10quawn-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000262860100708	25/1=25 p
		21. 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;	25/3=8,33p

		https://doi.org/10.1051/matecconf/201929906004 https://0a10quawn-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000568128200064	
		22. 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/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., 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/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., 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://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; 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://0a10quawn-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000579349600059	25/3=8,33p

		26. 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://0a10quawn-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000392260500076	25/4=6,25p
		27. 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://0a10quawn-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000282335600319	25/2=12,5p
		28. 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://0a10quawn-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000295540700023	25/2=12,5p
		29. 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://0a10quawn-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000393733400078	25/5=5p
			TOTAL Criteriu 2.1 = 571,85 p

2.2 Articole in reviste si volumele unor manifestari stiintifice indexate In alte baze de date internationale			
Condiții minimale De la ultima promovare: Minimum 8 articole indexate BDI pentru profesor Realizat de la ultima promovare din 01.10.2008 13 articole indexate BDI	15/nr. de autori	Link_Dovezi_Articole_poz1-13_indexate_BDI 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 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 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 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 5. Serban, D.A., Udroiu, R., Belgiu G. (2010). Product creation development from innovative	15/3=5p 15/4=3.75p 15/1=15p 15/3=5p

		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	15/3=5p
		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	15/2=7,5p
		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	15/1=15p
		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%2fdskm8uTNMoPz8Irh1fIWWPIHfAAURfDX8nW9CDx2XAGoQYObrEP8%2bXgZg%3d%3d&crl=c&resultNs=AdminWebAuth&resultLocal=ErrCrlNotAuth&crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d15837904%26AN%3d88315008	15/1=15p
		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=aQ3odghTklAI0Xnsn7DiEQWYS7ATFx2l4p0Ru%2f7kV9JD82	15/1=15p

		aMzXKOOzIAEk5VyU3pSestUVadMwq5YKFgt7ZveQ%3d%3d&crl=c&resultNs=AdminWebAuth&resultLocal=ErrCrlNotAuth&crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d15837904%26AN%3d88304194	
		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=0I3lZEQB1xNwFiUEoBn4WWS7cZMR66XkCCwJHqMGHdfMywg7zFC58YtZL%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	15/3=5p
		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-software?query=Design%20of%20a%20LSA%20aircraft%20using%20advanced%20software&requestCount=0&db=owf&an=103260785	15/2=7,5p
		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	15/3=5p
		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-	15/2=7,5p

		missions?query=Conceptual%20design%20of%20a%20VTOL%20remotely%20piloted%20aircraft%20for%20emergency%20missions&requestCount=0&db=owf&an=117020342	
			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 aceeaşi editie	6/ nr. autori (reviste)	Link_Dovezi_Articole_poz1-10_Reviste_neindexate 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 2. Udroiu, R., Ivan, N., (2008). Rapid-X using 3D Printers, Academic Journal of Manufacturing Engineering Suplement, nr. 2, Editura Politehnica, Timişoara, 2008, ISSN 1583-7904, pag. 198-204, CNCSIS tip B; 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, Timişoara, 2008, ISSN 1583-7904, pag. 102-108, CNCSIS tip B; 4. Ivan, N., V., Ivan, M., Udroiu, R., C., Chicoş, L., Lancea, C., T., (2007). Process planning a key stage in innovative manufacturing, Academic Journal of Manufacturing Engineering, vol. 5, nr. 1, Editura Politehnica, Timişoara, 2007, ISSN 1583-7904, pag. 43-49, CNCSIS tip B; 5. Udroiu, R., Ivan, N., V., Chicoş, L., (2006). Innovative technological process for helicopter blade manufacturing, Academic Journal of Manufacturing Engineering, vol. 4, nr. 4, Editura Politehnica, Timişoara, 2006, ISSN 1583-7904, pag. 62-66, CNCSIS tip B; 6. Udroiu, R., (2004). Integrated CAD/CAM system the core of concurrent engineering, In Bulletin of	6/1=6p 6/2=3p 6/4=1,5p 6/5=1,2p 6/3=2p 6/1=6p

		the Transilvania University of Braşov, vol. 11 (46), Transilvania University Press, Braşov, 2004, ISSN 1223-9631, pag. 161-168, CNCSIS tip B;	
		7. Ivan, M., C., Udroiu, R., Ivan, C., Ivan, N., V., (2006). Concept of constructive-technological entity a facility for CAD/CAM integreation, Academic Journal of Manufacturing Engineering, vol. 4, nr. 2, Editura Politehnica, Timişoara, ISSN 1583-7904, pag. 49-54, CNCSIS tip B;	6/4=1,5p
		8. Chicoş, L., Ivan, N., Udroiu, R., (2006). Innovative development of products, Academic Journal of Manufacturing Engineering, vol. 4, nr. 3, Editura Politehnica, Timişoara, ISSN 1583-7904, pag. 18-23 , CNCSIS tip B;	6/3=2p
		9. Udroiu, R., (2005). Concurrent systems engineering, Academic Journal of Manufacturing Engineering, vol. 3, nr. 1, Editura Politehnica, Timişoara, ISSN 1583-7904, pag. 69-74, CNCSIS tip B;	6/1=6p
		10. Udroiu, R., (2004). Machining strategies of constructive-technological features. StrategEnt software, Academic Journal of Manufacturing Engineering, vol. 2 nr.3, Editura Politehnica, Timişoara, ISSN 1583-7904, pag.55-61, CNCSIS tip B.	6/1=6p
	4/nr. autori (volume conferinte]	Link_Dovezi_Articole_poz1-29_Conferinte_neindexate	
		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 prototying 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 Uniersity 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 emploing 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
		6. Udroiu, R., (2005). Software system for 3D parametrical modelling of helicopter blade, Conferinta ştiintfică interna ională "Tehnologii moderne, calitate, restructurare TMCR 2005", Universitatea Tehnică din Moldova, Editura U.T.M., 19-21 mai, 2005, Chişinău, Moldova, ISBN 9975-9875-7-5, pag. 409-412;	4/1=4p
		7. Lancea, C., Udroiu, R., (2005). Determination the CNC path when milling complex shape pockets with horizontal bottom side, Conferinta ştiintifică internationalã "Tehnologii moderne, calitate, restructurare TMCR 2005", Universitatea Tehnică din Moldova, Editura U.T.M., 19-21 mai, 2005, Chişinău, Moldova, ISBN 9975-9875-7-5, pag. 413-416;	4/2=2p
		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	4/2=2p

		Sofia, June 2-5, 2004, Sozopol, Bulgaria, ISBN 954-580-158-1, pag.222-224;	
		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;	4/2=2p
		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;	4/2=2p
		11. Lancea, C., Udroiu, R., (2004). A computer simulation program for NC miling 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;	4/2=2p
		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;	4/1=4p
		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;	4/1=4p
		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;	4/2=2p

		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;	4/1=4p
		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 RaDMI 2003, 14 - 18 September 2003, Herceg Novi, Serbia and Montenegro, 2003, ISBN 86-83803-06-6, pag.559-564;	4/1=4p
		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;	4/1=4p
		18. Udroiu, R., (2003). Conception par entités de matrices de polymérisation, Conferinta ştiintifică 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	4/1=4p
		19. Udroiu, R., (2003). Système software pour la conception par entités de matrices de polymérisation, Conferinta ştiintifică interna ională "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. 511-514 ;	4/1=4p
		20. Rîmniceanu, V., Udroiu, R., (2003). Modelarea şi asamblarea parametrizatã a structurii unui autogir, Al VIII-lea Simpozion National cu participare internaţională de Geometrie Descriptivă, Grafică Tehnică şi Design 2003, vol. 2, Universitatea Transilvania din Braşov, 5-7 iunie, 2003, ISBN 973-635-195-5, pag. 263-266;	4/2=2p
		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, Timişoara, Editura Politehnica, România, isbn:973-8247-92-6	4/2=2p
		22. Udroiu, R., Ivan N, (2002). Aplicarea conceptului de inginerie simultană la pala de elicopter revistaVolum:Proceedings of the C2I International Conference of Integrated Engineering, Timişoara, Editura Politehnica, România, ISBN:973-8247-92-6 ;	4/2=2p
		23. Postelnicu A., Udroiu, R.,(1999). Controlul activ al vibratiilor palelor de elicopter, A XXVIII-a Sesiune de comunicări ştiintifice cu participare internatională, Sectiunea Aeronave şi motoare de aviatie, Editura Academiei Tehnice Militare, Bucureşti;	4/2=2p
		24. Martinescu I, Udroiu, R. (1998). Proiectarea parametrizată asistată de calculator a ştantelor şi matritelor, Volum:A-VI-a Conferintă natonală cu participare internatională de tehnologii şi utilaje pentru prelucrarea materialelor prin deformare plastică, Universitatea Dunărea de Jos, Galati, Editată de Ministerul Educatiei Nationale şi Academia Română;	4/2=2p
		25. Udroiu, R., Martinescu I, (1998). The aspects looking at computer parametric design of the airfoils, Volum:Conferintă internationalã TURBO '98, vol.1, Institutul National de Cercetare Dezvoltare Turbomotoare COMOTI, Bucureşti, ISBN:973-9402-20-8;	4/2=2p
		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;	4/2=2p
		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 ştiintifice cu participare internatională, Sectunea 4 Aeronave şi motoare de aviatie, Editura Academiei Tehnice Militare, Bucureşti ;	4/3=1,33p
		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 ştiintifice cu participare internatională, Sectiunea 4 Aeronave şi motoare de aviatie, Editura Academiei Tehnice Militare, Bucureşti; 29. Martinescu I, Barna, T., Udroiu, R. (1996). Aspecte privind proiectarea asistată de calculator a ştantelor şi matritelor, În buletinul sesiunii Conferintei internationale de comunicări ştiintifice TMCM 96, vol. 2 Universitatea tehnică "Gh. Asachi", Iaşi.	4/3=1,33p 4/3=1,33p
			Total Criteriu 2.3= 109,99
2.4 Proprietate intelectuală, brevete de invenție si inovație, etc.			
	2.4.1 Intemaționale		
	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 Dovada	20/3=6,66p
			Total Criteriu 2.4= 6,66 p
2.5 Granturi / proiecte câştigate 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	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 AlSi10Mg 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 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 Dovada	25.31p 14,01p

Total valoare granturi/ contracte in calitate de director: 59944,25 Euro		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 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	17,55p 9,1p
	2.5.1.2 Nationale		
	10 · val/ (10mii €)	-	0 p
	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 €) Total valoare 19 contracte cu mediul socio-economic in calitate de director 118535 lei (26943,31 Euro)	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) Valoare corectata 19609 lei=4549,65 Euro, (curs 4,31lei=1Eur din 1.01.2012) Dovada 2. Cercetari privind fabricatia aditiva a reperelor in ingineria industriala, 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) Valoare corectata 14757,76 lei=3316,35 Euro, (curs 4,45lei=1Eur din 30.03.2016) Dovada 3. Cercetari privind fabricatia aditiva prin SLS. Contract de cercetare științifică cu mediul socio-	4,54 p 3,31p

		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	2,11 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	0,74 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	1,74 p
		6. Cercetari privind fabricarea rapida in ingineria industriala, 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	1,78 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	2,56p
		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	0,8 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	0,26 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	2 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	2,03 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	1,13 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	0,91 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	0,71 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	0,32p
		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	0,26 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) Valoare 1076 lei=264.37 Euro, (curs 4,07lei=1Eur din 30.03.2010) Dovada	0,26 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) Valoare 2872.66 lei=683 Euro, (curs 4,20lei=1Eur din 30.06.2009) Dovada	0,68 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) Valoare 2149 lei=528 Euro, (curs 4,07lei=1Eur din 30.03.2010) Dovada	0,52 p
			Total Criteriu 2.5.1 = 92,63 p

2.5.2 Membru in echipă	2.5.2.1 Internaționale		
	4 · nr. ani participare in proiect	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 Dovada	4p
	1.5.2.2 Naționale 2 · nr. ani participare	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 şi 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
		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.	6p

		Nouraş Barbu Lupulescu Dovada 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 Dovada 8. Profesionalizarea carierei didactice - noi competente pentru actorii schimbărilor în educatie în judetele Bacău şi 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 Dovada 9. Sisteme CAD/CAM pentru strunjire şi 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 Dovada 10. Sisteme CAD/CAM pentru strunjire şi 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 Dovada	2p 6p 2p 2p
			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 Dovada	40p
			Total Criteriu 2.6= 40p
	Minim 300 p	Total punctaj pentru activitatea de cercetare (A2): 571,85+111,25 p+109,99 p+6,66 p+134,63 p +40p=	974,38 p

A3. RECUNOAŞTEREA SI IMPACTUL ACTIVITĂTII

<table>
<tr><td>Categorii şi restricții</td><td>Indicatori unitari</td><td colspan="2">Denumire</td><td>Punctaj</td></tr>
<tr><td colspan="5">3.1 Vizibilitate in baze de date internaționale</td></tr>
<tr><td rowspan="3">Număr de citări in publicații (fără autocitări)</td><td colspan="4">3.1 .1 Citări in articole indexate ISI

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</td></tr>
<tr><td>10/nr.autori art. citat</td><td>Articol citat</td><td>Articol care citează</td><td></td></tr>
<tr><td></td><td>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

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</td><td>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
2. Islam, MA; Mobarak, MH; (...); Hossain, N, Additive manufacturing in polymer research: Advances, synthesis, and applications, Mar 2024 POLYMER TESTING, 132, WOS:001187972900001
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
4. Stampone, B; Deniz, KI; (...); Trotta, G, Rapid Tooling for Microinjection Moulding of Proof-of-Concept Microfluidic Device: Resin Insert Capability and Preliminary Validation, Apr 2024,</td><td>42citari x 10/3autori =140p</td></tr>
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			Total puncte citari ISI	1117,96 p
	3.1 .2 Citări In articole indexate BDI			
	5/nr.autori art.citat	Articol citat	Articol care citeaza	
		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 3 citari BDI (fără autocitări) Dovada1 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	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. Link citare https://www-scopus-com.am.e-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= 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-nformation.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= 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-	3 citari x 5 / 3autori = 5 p

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		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 art.citat	Articol citat	Articol care citeaza	
		-	-	0 p
			Total puncte C3.1=	1127,12 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 revistăsau o manifestare ştiinţifică	3.3.1 Indexate ISI		
	10 1.Recenzent pentru 17 reviste ISI 17 x 10=170 p Articole ISI recenzate: 62 Link dovada: https://publons.com/wos-op/researcher/1362966/razvan-udroiu/peer-review/ 2.Recenzent pentru 1 manifestări ştiinţifice internaționale indexate ISI 1 x 10=10 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 Dovada 2. Membru In Comitetul de recenzori al revistei Measurement, Elsevier, ISSN 0263-2241 https://www.journals.elsevier.com/measurement Dovada 3. Membru In Comitetul de recenzori al revistei IEEE Access, IEEE, ISSN 2169-3536 https://ieeexplore.ieee.org/document/7042373 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 Dovada 5. Membru In Comitetul de recenzori al revistei Vacuum, Elsevier, ISSN 0042-207X https://www.sciencedirect.com/journal/vacuum Dovada 6. Membru in Comitetul de recenzori al revistei International Journal of Energy Research, Wiley, ISSN: 1099-114X, https://onlinelibrary.wiley.com/journal/1099114x Dovada 7. Membru In Comitetul de recenzori al revistei Materials, ISSN 1996-1944, https://www.mdpi.com/journal/materials Dovada 8. Membru In Comitetul de recenzori al revistei Energies, ISSN 1996-1073, https://www.mdpi.com/journal/energies Dovada	10 p 10 p 10 p 10 p 10 p 10 p 10 p 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
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		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 https://www.mdpi.com/journal/crystals Dovada	10 p
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		18. Membru in Comitetul stiintific si recenzor la International Conference Modern technologies in	10 p

		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/ Dovada	
			Total C3.3.1 Indexate ISI =180 p
	3.3.2Indexate BDI		
	8 1.Recenzent pentru 2 reviste BDI 2 x 8=16 p 1. Membru in comitetul ştiinţific pentru 3 conferinţe internaţionale BDI 3 x 8=24 p	1. Membru In Comitetul de recenzori al revistei Acta Innovations, ISSN 2300-5599 https://www.proakademia.eu/en/acta-innovations/about-journal/ Dovada 2. Membru In Comitetul de recenzori al revistei Journal of Manufacturing and Materials Processing, ISSN 2504-4494 https://www.mdpi.com/journal/jmmp Dovada 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&usg=AOvVaw3raXL2bzRNtYnUX822MfG6 Indexata in ACM: https://dl.acm.org/doi/abs/10.5555/1991147 Dovada 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 5. 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-ieeexplore-ieee-org.z.e-	8 p 8 p 8 p 8 p 8 p

		nformation.ro/xpl/conhome/9855893/proceeding Dovada	
			Total C3.3.2 Indexate BDI =40 p
	3.3.3 Naționale si internaționale neindexate		
	5 Membru in comitetul ştiinţific pentru 1 conferintă internationalã 1 x 5=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 https://conferences.ulbsibiu.ro/mse/06.international_committee.html Dovada	5 p
		Total puncte C3.3= 180p + 40p + 5p =	225 p
3.4 Experiență de management, analiză si evaluare in cercetare si /sau invățământ			
	3.4.1 Conducere		
	5· ani desfasurare	-	0 p
	3.4.2 Membru		
	2 · ani desfasurare	1. Membru in Consilul Facultătii ITMI, 2010-2012, nr ani desfasurare:3 Dovada	6 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	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; Udroiu, 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.; Udroiu, R. , IMANEE 2018, Chisinau, Republica Moldova Dovada	10 p
	3.5.4 Premii naționale in domeniu		
	5	1. Diploma din partea Asociatiei Generale a Inginerilor din România (AGIR), Societatea de rezistenta materialelor pentru continutul şi valoarea cărtii intitulată Teoria, Performantele şi 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 şi 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 Asoclații profesionale		
	3.6.4.1 Internaționale		
	5	1. Membru in IAENG Society of Industrial Engineering, http://www.iaeng.org/ Dovada 2. Membru in IAENG Society of Mechanical Engineering , http://www.iaeng.org/ Dovada	5 p 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 educați iei s i 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):		1396,12 p

16.12.2024

Conf. dr. ing. Răzvan Udroiu