Nume şi prenume cadru didactic: **Cătălin TÂMPU** Domeniu: **Inginerie Industrială**
Departament: **Ingineria şi Management, Mecatronica**

1. Criterii și condiții

Nr.crt.	Domeniul activităților	Tipul activităților	Categorii și restricții	Subcategorii	Indicatori unitari (k_{pi}) Autoevaluare	Punctaj Comisie
A	**Activitatea didactică și profesională (A1)**	**1.1** Cărţi/manuale/ monografii/ capitole în cărţi de specialitate	**1.1.1** Cărţi/ manuale/ monografii / Capitole de specialitate ca autor **Conferențiar minimum 2 din care 1 prim autor**	1.1.1.1 internaţionale	nr. pag./(5*nr.autori)	
				1. Chirita B.A., Herghelegiu E., Radu M.C., **Tampu N.C**., *Study of quality parameters for abrasive water jet cutting of matals.* In Carou, D., Davim, J.P. (eds.) Notes for Manufacturing Instructors. Materials Forming, Machining and Tribology, Springer, Cham., pp. 221-257, 2024, Print ISBN: 978-3-031-48467-4, Online ISBN: 978-3-031-48468-1, https://doi.org/10.1007/978-3-031-48468-1_11, 37pag.	37/(5*4) = 1.85	
				2. Crina Radu, Eugen Herghelegiu, **Catalin Tampu**, Tilemachos Koliopoulos, *Incremental sheet forming - an emerging technology with a broad applicability*, In: Emerging Environmental Technologies and Health Protection (cap. 9, pp. 131-137), Ed. Telegeco Research Center, Atena, Grecia, 2018, ISSN 2623-4874, e-ISSN 2623-4882, 7 pag.	7/(5*4) = 0,35	
				TOTAL 1.1.1.1	**2.2**	
				1.1.1.2 naţionale (edituri recunoscute)	nr. pag./(10*nr.autori)	
				3. Cristea Ion, Radu C, **Tampu C,** Tolerante si Control Dimensional, Alma mater 2020; ISBN- 978-606-527-640-6	148/(10*3) =4.93	
				4. **Tâmpu Cătalin**, Radu Maria Crina, Chiriță Bogdan, Niță Bogdan; Metode de control nedistructiv. Bacău 2026; ISBN 978-606-527-749-6	175/(10*4)=4.38	
				5. Crina Radu, Ion Cristea, Eugen Herghelegiu, **Cătălin Tâmpu**, Sisteme de management al calităţii. Cerinţe. Audit, Ed. Alma Mater, Bacău, 2015, ISBN 978-606-527-483-9, 145 pag.	145/(10*4) = 3.63	
				6. **Tâmpu Cătălin** – Analiza experimentala a distributiei tensiunilor reziduale generate in straturile superficiale de	10/(10*1)=1	

				prelucrarea prin frezare, pg 129-139, almamater Bacau, 2011; issn 978-606-527-111-1;		
				TOTAL 1.1.1.2	**13.94**	
			1.1.2 Cărţi ca editor	1.1.2.1 internaţionale	nr.pag./(10*nr.editori)	
				1.1.2.2 naţionale	nr.pag./(20*nr.editori)	
		TOTAL 1.1			**16.14**	
		1.2 Alte materiale didactice inclusiv în format electronic (pentru format electronic - echivalent format A4 text fără figuri cu minimum 3200 caractere inclusiv spaţii)			nr. pag./(20*nr.autori)	
			1.2.1 Suporturi de curs/îndrumare **Conferenţiar: Minimum 2, din care 1 prim autor**	1. **Tâmpu Cătalin**, Radu Maria Crina, Chiriță Bogdan, Niță Bogdan Echipamente și metode de măsurare și control. Îndrumar pentu lucrări practice.; Bacău 2026; ISBN 978-606-527-743-4	101/(20*4) = 1.25	
				2. Cristea Ion, Radu C, **Tampu C**., Control statistic : note de curs si aplicatii, Alma mater 2012; ISBN: 978-606-527-210-1; 143 Pagini	143/(20*3)=2.38	
		TOTAL 1.2			**3.63**	
		1.3 Coordonare de programe de studii, organizare şi coordonare programe de formare continuă	Director/ Responsabil	Responsabil program de studii de Licenta **Design Industrial_dual**, Domeniul Inginerie Industrială, Departamentul Ingineria și managementul sistemelor industriale (IMSI)	15	
		TOTAL 1.3			**15**	
		1.4 Dezvoltare	Titular	1. **Metode fizice de măsură și control nedistructiv**, Ciclul de studii: Master, Programul de studii: Strategii in Asigurarea	10	

		de noi discipline (se punctează o singură dată în cazul multiplicării lor în programe de studii diferite)		Calitatii in Industrie, Anul II		
				2. **Toleranțe și control dimensional**, Ciclul de studii: Licență, Programe de studii:Inginerie Industrială, Echipamente pentru procese industriale,Inginerie economică în domeniu mecanic, Mecatronică. Anul II	10	
				3. **Masini unelte si prelucrari prin aschiere**, Ciclul de studii: Licență, Programe de studii:Inginerie Industrială, Echipamente pentru procese industriale,Inginerie economică în domeniu mecanic, Mecatronică. Anul II	10	
				4. ***Tehnologii și echipamente de control a calității**, Ciclul de studii: Licență, Programelor de studii:Inginerie Industrială, Anul III*	10	
				5. **Metrologie**, Ciclul de studii: Licență, Programul de studiu Ingineria si Managementul Calitatii	10	
				6. **Control Statistic**, Ciclul de studii: Licență, Programul de studiu Ingineria si Managementul Calitatii	10	
				7. **Managementul logisticii / Logistica industriala** Ciclul de studii: Licență, Programe de studii:Inginerie Industrială, Inginerie Economica in domeniul Mecanic. Anul III	10	
				*8. **Rezilienta cibernetica**, Ciclul de studii: Master, Programe de studii: Toata programele de master de la facultatea de inginerie cu exceptia programelor tehnologia informatiei si mecatronica avansata; Facultatea de Stiinte- programe de studiu Biologie medicala, Valorificarea resurselor biologice și protecția mediului; Facultatea de Litere- programe de studiu- toate programele de studiu; Anul II*	10	
				TOTAL 1.4	**80**	
		1.5 Proiecte educationale ERASMUS	Director/ Responsabil	Creare/Responsabil acord erasmus cu Polytechnic institue of Viana do Castelo 2019-2026; responsabil acord ramura 0715	10*7ani = 70	
				Responsabil acord erasmus cu Universitatea Tehnica din Yildiz, Turcia, 2024-2026 responsabil acord ramura 0715	10*2ani =20	
				TOTAL 1.5	**90**	
TOTAL Activitatea 1. Minim 80 puncte					**204.77**	

2	**Activitatea de cercetare (A2)**	**2.1** Articole indexate în reviste ISI Thomson Reuters şi în volumele unor manifestări ştiinţifice indexate ISI Thomson Reuters, vizibile în baza de date **Realizat 28, din care 5 în reviste, 2 ca prim autor, 1 în zona roșie, 3 în zona galbenă**	De la ultima Promovare(Februarie 2016)* **Minimum 5 articole, din care 1 în reviste, minimum 2 ca autor principal**, pentru **Conf**	Pentru reviste (30 + 10 * factor de impact)*****/(nr. de autori) Pentru volume conferințe 25/(nr. de autori)		
				1. Copot L. D., Martínez-Martínez A., Garcia-Martínez E., Iordache D. M., **Tampu N. C**., Herghelegiu E**.**, Grosu L., Radu M. C., *Study of the Influence of Picual Olive Oil on the Formability and Surface Quality of Parts Machined by Incremental Forming of Aerospace Aluminium Alloys*, Scientific Study and Research-Chemistry and Chemical Engineering Biotechnology Food Industry, Volume 27, Issue1, Page 053-065, 2026, DOI10.29081/ChIBA.2026.672, WOS:001735702600005	(30+10*0.7)/8 = 4.62	
				2. Herghelegiu E**.**, Schnakovszky C., **Tampu N.C**., Radu M.C., Chirita B. A., Raveica I.C., Olaru I., Nita B., Zaharia A., *Investigation of the Impact of Intensive EDM Regimes on Electrode Wear When Machining C120 Steel Parts*, Applied Sciences-Basel, Volume 16, Issue 7, DOI10.3390/app16073464, Article Number 3464, WOS:001738458300001, 2026.	(30+10*2.5)/9 = 6.11	
				3. Bourebbou A., **Tampu C***., Bendifallah M., Belloufi A., Abdelkrim M., Chirita B., Herghelegiu E**.**, Nita B., Tampu R., *Experimental Study and Optimization of Welding Parameters of Stainless Steel During Spot Welding*, Processes, Volume 14, Issue 7, DOI10.3390/pr14071056, Article Number 1056, WOS:001738685800001, eISSN 2227-9717, **2026**. FI 2.8	(30+10*2.8)/9 = 6.44	
				4. Herghelegiu E., Ghiorghe O., Radu M.C., Schnakovszky C., Radu P., **Tampu N.C**., Chirita B.A., Raveica I.C., Nita B., *Investigation of the Impact of Intensive EDM Regimes on Manufacturing Efficiency and Surface Quality of C120 Steel Parts*, Processes, Volume 14, Issue 2, DOI10.3390/pr14020189, Article Number 189, **2026**, eISSN 2227-9717, WOS:001670423400001. FI 2.8	(30+10*2.8)/9 = 6.44	
				5. Abdesselam Y., **Tampu C*,** Belloufi A., Rezgui I., Abdelkrim M., Chirita B., Herghelegiu E., Schnakovszky C., Tampu R., *Optimization of the Effects of Electrodeposition Parameters on the Nickel-Based Composite Coatings' Tribological Properties*, PROCESSES, Volume 14, Issue 1, DOI 10.3390/pr14010139, Article Number 139, **2026**, eISSN 2227-9717, WOS:001657349900001, FI 2.8	(30+10*2.8)/9 = 6.44	

				6. Nita B., Schnakovszky C., Herghelegiu E., Chirita B., Tampu R.I., **Tampu C.,** *Influence Of Cutting Parameters On Surface Quality Of Al7075 Alloy Under Dry And Ln2 Cooling Conditions*, Acta Technica Napocensis Series-Applied Mathematics Mechanics And Engineering, Volume 68, pag. 45-50, **2025**, ISSN 1221-5872, eISSN 2393-2988, WOS:001612666100003, FI 0.2.	(30+10*0.2)/6 = 5.33	
				7. Radu P., **Tâmpu, N.C**., Herghelegiu E., Schnakovszky C., Radu M.C., *Study Of The Cutting Forces And Quality Parameters Of Thin-Walled Parts Machined By Milling,* Acta Technica Napocensis Series-Applied Mathematics Mechanics And Engineering, Volume 68, pag. 91-96, 2025, ISSN 1221-5872, eISSN 2393-2988, WOS:001612666100005, FI 0,2	(30+10*0.2)/5 = 6,40	
				8. Ciprian-Dumitru Ciofu, Petronela-Daniela Rusu, Marcin Adamiak, Oktawian Bialas, **Catalin Tampu**, Panagiotis Kyratsis, Anastasios Tzotzis, Simona-Nicoleta Mazurchevici, Alexandra Nedelcu, Zhengyi Jiang, Daniel Mindru, Dumitru Nedelcu - *Wettability, Tribology, Degradation, and Topography of Laser-Textured Surfaces of Biopolymers* - Micromachines 2025, 16(9), 1009; https://doi.org/10.3390/mi16091009; EISSN 2072-666X; Jurnal în Q2, categoria Web of Science: MULTIDISCIPLINARY SCIENCES-INSTRUMENTS & INSTRUMENTATION; Fi 3.0	(30+10*3.0)/12= 5.00	
				9. Petronela-Daniela Rusu, Oktawian Bialas, Anna Wozniak, Marcin Adamiak, Augustine Appiah, **Catalin Tampu**, Simona-Nicoleta Mazurchevici, Panagiotis Kyratsis, Anastasios Tzotzis, Alexandra Nedelcu, Teodor-Daniel Mindru, Dumitru Nedelcu;- *Characterization of Laser-Textured Surfaces of Parts of a Biodegradable Polymer*; Coatings 2025, 15(2), 246; https://doi.org/10.3390/coatings15020246; ISSN 2079-6412; WOS:001429816000001;Jurnal în Q2, categoria Web of Science: MULTIDISCIPLINARY SCIENCES-INSTRUMENTS & INSTRUMENTATION; FI 2.8	(30+10*2.8)/12= 4.83	
				10. Yassine Abdesselam, Abderrahim Belloufi, Imane Rezgui, Mourad Abdelkrim, **Tampu Catalin**, Bogdan Chiriță; *Composite coatings based on nickel and Y_2O_3 nanoparticles: a comprehensive analysis of developments in electrodeposition and functional property optimization;* The International Journal of Advanced Manufacturing Technology; Volume 137, pages 3273–3332, (2026); https://doi.org/10.1007/s00170-025-15360-	(30+10*3.1)/6=1 10.17	

				x; ISSN 0268-3768; WOS:001448711900001		
				11. Nita, B; Tampu, RI; **Tampu, C**; Chirita, BA; Herghelegiu, E; Schnakovszky, C, *Review Regarding the Influence of Cryogenic Milling on Materials Used in the Aerospace Industry*, Journal Of Manufacturing And Materials Processing, Volume8, Issue5, Article Number 186, eISSN 2504-4494, DOI10.3390/jmmp8050186, WOS:001342097700001, FI 3.3, **2024**	(30+10*3.3)/6 = 10.5	
				12. Mohammed Toufik Amira, Imane Rezgui, Abderrahim Belloufi, Mourad Abdelkrim, Youssef Touggui, Elhocine Chiba, **Tampu Catalin** & Bogdan Chiriță; *Modeling and multi-objective optimization of the milling process for AISI 1060 steel;* International journal of advanced manufacturing technology; Volume132, Issue11-12, Page5705-5732, 2024 DOI10.1007/s00170-024-13693-7, ISSN 0268-3768; WOS:001219477600002; Jurnal în Q3, categoria Web of Science: MULTIDISCIPLINARY SCIENCES-INSTRUMENTS & INSTRUMENTATION;	(30+10*3.1)/8 = 7.63	
				13. I.C. Raveica, I. Olaru, E. Herghelegiu, **N.C.Tampu**, M.C. Radu, B.A. Chiriță, C. Schnakovszky, V.A. Ciubotariu, *The impact of digitalization on industrial engineering students'training from the perspective of their insertion in the labor market in a sustainable economy: A students' opinions survey*, Sustainability, 2024, vol. 16, 7499, DOI: 10.3390/su16177499, WOS:0013115952000601, Jurnal în Q2, categoria Web of Science: ENVIRONMENTAL SCIENCES	(30+10*3.3)/8 = 7,88	
				14. M.C. Radu**,** E. Herghelegiu, **C. Tampu**, B. Chirita, C. Schnakovszky, P. Radu, O. Ghiorghe, *Use of vegetable oils as dielectric fluids for electrical discharge machining. A case study*, Heliyon, vol. 10, issue 11, e31772, june 15, 2024, DOI: 10.1016/j.heliyon.2024.e31772, WOS: 001247702500002, Jurnal în Q2, categoria Web of Science: MULTIDISCIPLINARY SCIENCES	(30+10*3.4)/7 = 9,14	
				15. O.Ghiorghe, C.Schnakovszky, E.Herghelegiu, M.C. Radu, B.A. Chirita, **N.C. Tampu**, B.Nita, P.Radu, *Influence of the electrode material on electrical discharge machining process performance*, Scientific Study & Research, Chemistry & Chemical Engineering, Biotechnology, Food Industry, ISSN 1582-540X, 2024, 25 (1), pp. 71 – 90, WOS:	(30+10*0.7)/8 = 4,63	

				001196254200005, FI 0,7		
				16. **Tampu, NC**; Tampu, RI; Chirita, BA; Herghelegiu, E, *A Theoretical Study Regarding The Influence Of Carbon Amount On Residual Stress Distribution In Surface Layer*, Scientific Study And Research-Chemistry And Chemical Engineering Biotechnology Food Industry, Volume22, Issue1, Page81-88, ISSN 1582-540X, 2021, WOS:000634769100008.	(30+10*0)/6 = 5.00	
				17. **Nicolae Catalin Tampu,** Raluca Ioana Tampu, Oana-Irina Patriciu, Bogdan Alexandru Chiriță, Lucian Gavrilă; *Evaluation of the corrosion inhibition potential of raphanus sativus and spinacia oleraceea extracts part ii: mild steel corrosion inhibition by raphanus sativus and spinacia oleracea extracts as green corrosion inhibitors;* Scientific Study & Research. Chemistry & Chemical Engineering, Biotechnology, Food Industry; Bacau Vol. 21, Iss. 3, (2020): 435-444. ISSN 1582-540X; WOS:000577523900010	(30+10*0)/5 = 6.00	
				18. Alina Mihaela Maciuca Birtea, Andra Poloboc, **Nicolae Catalin Tampu**, Raluca Ioana Tampu, Oana-Irina Patriciu, Bérengere Claude, Reine Nehmé, Adriana Luminiţa Finaru; *Evaluation of the corrosion inhibition potential of raphanus sativus and spinacia oleraceea extracts part i: influence of the composition of the corrosive media on the characteristics of plant extracts;* Scientific Study & Research. Chemistry & Chemical Engineering, Biotechnology, Food Industry; Bacau Vol. 21, Iss. 2, (2020): 279-288.; WOS:000546789300013	(30+10*0)/6 = 5.00	
				19. Raluca Tampu, **Catalin Tampu**, Claire Elfakir-O*ptimization of SPE method for the extraction of 12 neurotransmitters from sheep brain*; Ovidius University Annals of Chemistry Volume 31, Number 2, pp. 110 - 121, 2020; DOI: 10.2478/auoc-2020-0020; ISSN 1583-2430; WOS:000616969300001	(30+10*0)/3 = 10.00	
				20. Andrei Ionuţ Simion, Cristina-Gabriela Grigoraș, Alexandru Chiriac**, Cătălin Nicolae Tâmpu**, Lucian Gavrilă - *Mathematical modelling for phenolation of spent sulfite liquor* - 1582-9596, 2018,Vol 17, Nr 4, Pg771-781	(30+10*0.9)/5 = 7.80	
					135,37	
				Lucrari cotate proceedings ISI	25/nr autori	
				21. Petronela-Daniela Rusu, Simona-Nicoleta Mazurchevici,	25/6 = 4.17	

				Catalin Tampu, Constantin Carausu, Ciprian Dumitru Ciofu, Dumitru Nedelcu; Laser Surface Texturing of Biodegradable Polymers; Macromolecular Symposia; Volume414Issue3Special IssueSI DOI10.1002/masy.70053; JUN 2025; ISSN 1022-1360; WOS:001510766200021		
				22. Marguta, D; Herghelegiu, E; **Tâmpu, C**; Mazurchevici, SN; Petrescu, T; Nedelcu, D, Structural and Morphological Characterization of Biopolymeric Samples Through AWJ Machining, MACROMOLECULAR SYMPOSIA, Volume404, Issue1, Special Issue SI, Article Number 2100280, DOI10.1002/masy.202100280, ISSN 1022-1360, eISSN 1521-3900, DOI10.1002/masy.202100280, WOS:000842344000074, 2022,	25/6 = 4.17	
				23. **C Tampu**, B Chirita, I Cristea, V Zichil, C Schnakovszky, E Herghelegiu, C Carausu, *Influence of cutting parameters on surface hardness in milling of AL6061T6*, IOP Conf. Series: Materials Science and Engineering 916 (2020) 012118, doi:10.1088/1757-899X/916/1/012118, WOS:000625330000118	25/7 = 3,57	
				24. CC Grigoraș, B Chiriță, G Brabie, V Zichil, E Herghelegiu, **C Tâmpu**, C Ciofu, C Iancu, *The analysis of high-pressure water jet cutting of thick aluminium alloy 6061-T651 from a statistical perspective*, IOP Conf. Series: Materials Science and Engineering 916 (2020) 012043, doi:10.1088/1757-899X/916/1/012043, WOS:000625330000043	25/8 = 3,13	
				25. Herghelegiu E**.**, Radu M.C., Schnakovszky C., Chirita B.A., **Tampu N.C**., *Study on the influence of the working regime on the quality of cut in the case waterjet processing of S 235 steel*, Modern Technologies in Industrial Engineering VII (MODTECH 2019), IOP Conf. Series: Materials Science and Engineering; ISSN 1757-8981, 2019, vol. 591, 012019, DOI:10.1088/1757-899X/5 91/1/012019, WOS:000562929900019	25/5 = 5	
				26. Chirita, B, Grigoras, C, **Tampu, C**, Herghelegiu, E, *Analysis of cutting forces and surface quality during face milling of a magnesium alloy, MODERN TECHNOLOGIES IN INDUSTRIAL ENGINEERING VII (MODTECH2019), Volume591, DOI10.1088/1757-899X/591/1/012006, Article Number, 012006, WOS:000562929900006*	25/4 = 6,25	
				27. Schnakovszky C., Herghelegiu E**.**, Radu M.C., Chirita B.A.,	25/5 = 5	

				Tampu N.C., *Optimization of working parameters in case of aluminium alloy abrasive water jet cutting (AWJC),* Modern Technologies in Industrial Engineering VI (MODTECH 2018), IOP Conference Series-Materials Science and Engineering, ISSN 1757-8981, 2018, vol. 400, 022052, DOI: 10.1088/1757-899X/400/2/022052, WOS:000461147400052		
				28. Herghelegiu E., Schnakovszky C., Radu M. C., **Tampu N.C**., Zichi V., *Comparative study on the processing of armour steels with various unconventional technologies*, Modern Technologies in Industrial Engineering V, IOP Conference Series-Materials Science and Engineering, ISSN 1757-8981, 2017, vol. 227, 012058, DOI: 10.1088/1757-899X/227/1/012058, WOS:000409221600058	25/5 = 5	
				29. Herghelegiu E., Radu M.C.**,** Schnakovszky C., **Tampu N.C**., *Considerations on material thickness influence on the AWJ processing quality of an aluminium alloy*, 4th International Conference on Computing and Solutions in Manufacturing Engineering (CoSME), MATEC Web of Conferences, 2017, vol. 94, 03007, DOI: 10.1051/matecconf/20179403007, WOS:000393034000037	25/4 = 6,25	
				30. M Abdelkrim, G Brabie, A Belloufi, **T Catalin**, B Chirita- *Experimental investigations to evaluate the effects of cutting parameters on cutting temperature and residual stresses during milling process of the AISI 1045*, IOP Conference Series-Materials Science and Engineering, ISSN 1757-8981, 2017,227, DOI:10.1088/1757-899X/227/1/012001	25/5 = 5	
				31. Radu M.C., Schnakovszky C., Herghelegiu E., **Tampu N.C**., Zichil V., *Comparative analysis of the processing accuracy of high strength metal sheets by AWJ, laser and plasma*, Modtech International Conference - Modern Technologies in Industrial Engineering IV, PTS 1-7, IOP Conference Series-Materials Science and Engineering, ISSN 1757-8981, 2016, vol. 145, 022034, DOI: 10.1088/1757-899X/145/2/022034, WOS:000396437600034	25/5 = 5	
				32. Chirita, B; **Tampu, NC**; Brabie, G; Radu, MC- Experimental investigation on the effects of cooling system on surface quality in high speed milling of an aluminium alloy- , IOP Conference Series-Materials Science and Engineering, ISSN 1757-8981, Vol. 145,DOI: 10.1088/1757-899X/145/2/022006, 2016	25/4=6.25	

					50,45	
		TOTAL 2.1			**185.82**	
		2.2 Articole în reviste şi volumele unor manifestări ştiinţifice indexate în alte baze de date internaţionale**	De la ultima Promovare(Februarie 2016)* Minim 5 pentru conferențiar	**Lucrari indexate BDI**	15/nr. de autori	
				1.Oana-Georgeta Ghiorghe, Carol Schnakovszky, Maria-Crina Radu, **Catalin Nicolae Tampu**, Bogdan Nita; A review of the recent research activities in the fild of electrical discharge machining; Journal of Engineering Studies and Research; Vol 30, nr 1, Pg 39-50; DOI: https://doi.org/10.29081/jesr.v30i1.004 ; 2024	15/5 = 3.00	
				2. Petrica Radu, Carol Schnakovszky, **Catalin Nicolae Tampu**, Enrique García-Martínez, Valentín Miguel; Contributions Regarding the High-Speed Milling of Parts with Low Rigidity Made from Aluminum Alloys; Key Engineering Materials; Vol 955; Pg 43-52; 2023; https://doi.org/10.4028/p-eDnL03	15/5 = 3.00	
				3. Chirita B., Herghelegiu E., Radu C., Grigoras C., **Tampu C.,** Optimization of cut quality for awj processing of a steel alloy, International Journal of Modern Manufacturing Technologies, ISSN 2067–3604, **2023**, Vol. XV, No. 2, DOI: https://doi.org/10.54684/ijmmt.2023.15.2.20 (BD: Scopus, Index Copernicus, Inspec, CNKI, Google Scholar)	15/5 = 3.00	
				4. Farid Abdelkrim, Mourad Abdelkrim, Abderrahim Belloufi, **T Catalin**, B Chiriță, Gheorghe Brabie Multi-input fuzzy inference system based model to predict the cutting temperature when milling AISI 1060 steel; Journal of applied research and technology, Volume21, Issue3, Page496-513, DOI10.22201/icat.24486736e.2023.21.3.1818, 2023, ISSN 2448-6736; SCIELO:S1665-64232023000300496	15/6 = 2.50	
				5. OANA-GEORGETA GHIORGHE, Carol Schnakovszky, Eugen Herghelegiu, **Catalin Tampu**; Study on the influence of WEDM processing regimes on the quality of armor steel; Journal of Engineering Studies and Research; Vol 28, Nr3, Pg 49-55; DOI: https://doi.org/10.29081/jesr.v28i3.006 ; ISSN Print: 2068-7559; 2022	15/4 = 3.75	
				6. Vlad Andrei Ciubotariu, Cosmin Grigoras, Crina Maria Radu, **Catalin Nicolae Tampu**, Valentin Zichil; The opportunity of using cloud-based computing in numerical simulations on structural analysis-case study; Vol. 28 No. 1 (2022): Journal of Engineering Studies and Research; doi.org 10.29081/jesr.v28i1.004; ISSN Print: 2068-7559; 2022	15/5 = 3.00	

				7. Bogdan Nita, Carol Schnakovszky, Raluca Tampu, **Nicolae Catalin Tampu**, Eugen Herghelegiu; A Review Regarding Cooling Techniques in the Turning, Milling and Cutting Process; Bulletin Of The Polytechnic Institute Of Iași; Published by "Gheorghe Asachi" Technical University of Iaşi; Section Mathematics. Theoretical Mechanics. Physics Volume 68(72), No. 1, 2022; DOI: 10.2478/bipmf-2022-0003	15/4 = 3.75	
				8. Cosmin Constantin Grigoraș, Bogdan Chiriță, Valentin Zichil, Eugen Herghelegiu, **Cătălin Tâmpu**, Vlad Ciubotariu Stretch forming using heated die;; Journal of Engineering Studies and Research – Volume 27 (2021) No. 4; ISSN Print: 2068-7559;	15/6 = 2.50	
				9. CC Grigoraș, B Chiriță, G Brabie, V Zichil, E Herghelegiu, **C Tâmpu** and VA Ciubotariu; High-pressure water jet cutting of S235JR steel alloy. Influence of process parameters on dimensional accuracy; Volume 1182, ModTech International Conference: Modern Technologies in Industrial Engineering IX (ModTech 2021) 23rd-26th June 2021, Eforie Nord, Romania; IOP Conf. Ser.: Mater. Sci. Eng. 1182 012027; DOI 10.1088/1757-899X/1182/1/012027; 2021; ISSN: 1757-899X	15/6 = 2.50	
				10. Bogdan Chirita, **Catalin Tampu**, Eugen Herghelegiu, Cosmin Grigoras; Modelling and optimization of magnesium alloy milling parameters; International Journal of Modern Manufacturing Technologies; ISSN 2067–3604, Special Issue, Vol. XIII, No. 3 / 2021 https://doi.org/10.54684/ijmmt.2;	15/4 = 3.75	
				11. Daniel Mărguță, Eugen Herghelegiu, **Cătălin Tâmpu**, Simona-Nicoleta Mazurchevici, Dumitru Nedelcu Technological parameters influence on biodegradable injected polymers during water jet cutting;; Journal of Engineering Sciences and Innovation Volume 6, Issue 3 / 2021, pp. 235 – 248; http:// doi.org/10.56958/jesi.2021.6.3.235 ; 2021	15/5 = 3.00	
				12. . Daniel Mărguţă, Eugen Herghelegiu, **Cătălin Tâmpu**, Simona-Nicoleta Mazurchevici, Dumitru Nedelcu. Water jet cutting influence on lignin-based polymer samples; International Journal of Modern Manufacturing Technologies ISSN 2067–3604, Vol. XIII, No. 1 / 2021;	15/5 = 3.00	
				13. Catalina Ciofu, **Catalin Tampu**, Eugen Herghelegiu, Cosmin Alexandru Iancu, Gheorghe Brabie, New Challenges In Abrasive Water Jet Machining , Journal of Engineering Studies and	15/5 = 3.00	

				Research: Vol. 25 No. 4,**2019**, (BD: Index Copernicus, ERIH PLUS, Google Academic, Publons etc.)		
				14. Optimization of neurotransmitters separation under HILIC conditions, Tampu Raluca , **Tampu** Catalin, Journal of Engineering Studies and Research; ISSN: 2068-7559 DOI: http://dx.doi.org/10.29081/jesr.v23i1.261, 2017, vol 23, Nr 1	15/2 = 7.50	
				15. Pavel Iurea, Constantin Carausu, **Catalin Tampu**, Bogdan Chirita, Valerica Husanu Residual stresses generated at roughing grinding and hard turning of raceways of bearing rings - International Journal of Modern Manufacturing Technologies ISSN 2067–3604, Vol. VIII, No. 2 / 2016, 19-24 pg	15/5 = 3.00	
		TOTAL 2.2			**50,25**	
		2.3 Articole in extenso în reviste/ volumele unor manifestări ştiinţifice naţionale/ internaţionale neindexate	Se admit max. două articole la aceeaşi ediţie	6/nr. autori (reviste) 4/nr. autori (volume conferinţe)		
				N/A		
		TOTAL 2.3				
		2.4 Proprietate intelectuală, brevete de invenţie şi inovaţie etc.		2.4.1 internaţionale	40/nr. de autori	
				2.4.2 naţionale	20/nr. de autori	
		TOTAL 2.4			**0**	
		2.5 Granturi/ proiecte câştigate prin competiţie sau contracte cu mediul socio-	2.5.1 Director/ Responsabil **Minimum 2D sau 4R pentru Profesor/** CS I;	2.5.1.1 internaţionale	20*val***/(10 mii Euro)	
				1. Contract nr 4/2026 - Studiu experimental privind influența parametrilor tehnologici asupra calității procesului de înfoliere a profilelor extrudate din mase plastice; Societatea comercială Kunststoffwerk ZITTA GmbH, Pasching, Valoare incasata 5100 Euro **~26.870 RON**. Perioada: 2026-2027, (calculat în funcţie cursul euro la data semnarii contractului: 1 euro = 5.27 cf.https://www.cursbnr.ro/ 07.05.2026), **Director de proiect**	20*5100/(10 mii Euro) = 10,2	
				2.5.1.2 naţionale	10*val***/(10 mii	

		economic (în valoare de minimum 25.000 lei (justificată cu documente care să ateste încasarea sumei)			Euro)	
				2. Analiza tensiunilor reziduale din piesele turnate la SC LUFKIN Industries SRL Ploiești Contract nr. 4/2014 cu SC SPECTROMAS SRL București, 7200 lei. Perioada: 2014 (3 luni), Curs Eur 14.02.20214 conform https://www.cursbnr.ro/arhiva-curs-bnr-2014-02-04 1 EUR = 4.458 **Director de proiect**	10*1615/(10 mii Euro) = 1.62	
				3. Analiza tensiunilor reziduale din piesele turnate la SC LUFKIN Industries SRL Ploiești Contract nr. 10/2014 cu SC SPECTROMAS SRL București, 7200 lei Perioada: 2014 (3 luni), Curs Eur 14.05.20214 conform https://www.cursbnr.ro/arhiva-curs-bnr-2014-02-04 1 EUR = 4.441 **Director de proiect**	10*1621/(10 mii Euro) = 1.62	
			TOTAL 2.5.1		**13.44**	
			2.5.2 Membru în echipă	2.5.2.1 internaţionale	4*nr. ani participare în proiect	
				4. Tehnologii de prelucrare a matrițelor pentru extrudarea maselor plastice, prin utilizarea procedeului de tăiere cu jet de apă abraziv (AWJ), aplicat asupra diferitelor materiale metalice. Societatea comercială Kunststoffwerk ZITTA GmbH, Pasching,Valoare incasata 5100 Euro ~26.870 RON. Perioada: 2026-2027, (calculat în funcţie cursul euro la data semnarii contractului: 1 euro = 5.27 cf.https://www.cursbnr.ro/ 07.05.2026), **Membru**	4*1 = 4	
				TOTAL 2.5.2.1	**4**	
				2.5.2.2 naţionale	2*nr. ani participare în proiect	
				5. Proiect **PN-II nr. 294/2014**: Tehnologii ecologice şi economice pentru prelucrarea tablelor metalice folosite la realizarea blindajelor (ECOBLIND), Director proiect: Prof.univ.dr.ing. Schnakovszky Carol, Perioada: 2014 – 2016; Valoare: 728576 lei; 9 membri; membru in echipa;	2*2 =4p	
				6. Analiza mecanică a ansamblului de focalizare plană (FPA) dintr-un sistem Coronagraf, AE Electronics, Bacău; **UBc 3 /**	2*0.5 =1p	

				2016; Nr membri 4; membru in echipa; Valoare 5000 Ron		
				7. Internationalizarea studiilor universitare de master si doctorat – suport al performantei si formarii tinerilor prin si pentru cercetare; **CNFIS-FDI-2017-0151**; Nr membri -8; Membru in echipa; Mai- Dec 2020; Valoare 240000 Ron;	2*0.67 = 1.33p	
				8. Tehnologii de fabricare inteligente pentru producția avansata a pieselor din industriile de automobile și aeronautica (tfi pmaiaa); **82PCCDI/2018-2021**; Nr membri -11; Membru in echipa ; Valoare 1.057.500 Ron;	2*3 = 6p	
				9. **ROSE** – ”Ingineria o carieră de viitor-ING-UP!”; 73/SGU/NC/I; Nr membri -15; Membru in echipa ; Valoare 159896.8 Ron;	2*3 = 6p	
				10. Internaționalizarea studiilor universitare de master si doctorat – suport al performantei si formarii tinerilor prin si pentru cercetare; Mai – Dec 2019; **CNFIS-FDI-2019-0087**; Nr membri -9; Membru in echipa ; Valoare 200000 Ron;	2*0.67 = 1.33p	
				11. Internationalizarea studiilor universitare de master si doctorat – suport al performantei si formarii tinerilor prin si pentru cercetare; **CNFIS-FDI-2020-0130**; Nr membri -13; Membru in echipa ; Aprilie-Dec 2020; Valoare 718000Ron;	2*0.75=1.5p	
				12. „Utilizarea sistemelor CAD și construcția prin fabricare aditivă (FDM),a reperelor din industria tâmplăriei din aluminiu și PVC” - **UBcnr.2(4879)/2021**; Nr membri -6; Membru in echipa ; Valoare 25920 Ron;	2*1 =2p	
				13. Cercetarea – din laboratoare către societate. Dezvoltarea capacităţii de cercetare a Universităţii „Vasile Alecsandri” din Bacău prin valorificarea apartenenţei la ecosistemul CDI din Regiunea Nord-Est; **CNFIS-FDI-2023-F-0069**; Nr membri -15; Membru in echipa ; Mai-Dec 2023; Valoare 400000 Ron;	2*0.67 = 1.33p	
				14. **iEnterprise@UBc**; **CNFIS-FDI - 2024-F-0556**; Nr membri -15; Membru in echipa ; Mai-Dec 2024; Valoare 250000 Ron;	2*0.67 = 1.33p	
				15. „Simulated Enterprises in Food Industry at the „Vasile Alecsandri” University of Bacau” - **SEiFI@UBc**; Nr membri – 24; Perioada Oct 2024-Feb 2025; Valoare: 27.370	2*0.42 = 0.84	
				16.„Partnership for Applied Training in Entrepreneurship and Innovation at „Vasile Alecsandri” University of Bacau” - **PATH2EI@UBc**; Nr membri – 21; Perioada Dec 2025 – Mai 2026; Valoare: 61.900	2*0.5 = 1	
				17. Proiect **PCIDIF, cod SMIS 336894**, Sistem integrat digital de testare si calibrare pentru contoare master de lichide altele	Sept 25-Mai26 2*0.75 = 1.5 p	

				decât apa (Contract nr. 390070/23.09.2025), perioada 2025-2028, Responsabil Proiect P1, (Decizie nr.396/2025) Valoarea totală: 7014632,44 lei = 1376524,65 euro, (calculat în funcţie cursul euro în luna septembrie 2025 cand a fost semnat contractul: 1 euro = 5.07 cf. https://www.cursbnr.ro/#ancora_tabel/ 23.09.2025) Nr membri 11; Membru in echipa;		
				18. Analiza tensiunilor reziduale din piesele turnate; Contract nr.5/2014 Tip contract: național, agent economic; 5 membri in echipa ; Membru in echipa ; Valoare 7200 RON	2 luni 2*0.17 = 0.33p	
				19. Analiza tensiunilor reziduale din piesele turnate; Contract nr.7/2014 Tip contract: național, agent economic; 5 membri in echipa ; Membru in echipa ; Valoare 7200 RON	2 luni 2*0.17 = 0.33p	
				20. Analiza tensiunilor reziduale din piesele turnate; Contract nr.8/2014 Tip contract: național, agent economic; 5 membri in echipa ; Membru in echipa ; Valoare 7200 RON	2 luni 2*0.17 = 0.33p	
				21. Analiza tensiunilor reziduale din piesele turnate; Contract nr.9/2014 Tip contract: național, agent economic; 5 membri in echipa ; Membru in echipa ; Valoare 7200 RON	2 luni 2*0.17 = 0.33p	
				22. Analiza tensiunilor reziduale din piesele turnate; Contract nr.12/2014 Tip contract: național, agent economic; 5 membri in echipa ; Membru in echipa ; Valoare 7200 RON	2 luni 2*0.17 = 0.33p	
				23. Analiza tensiunilor reziduale din piesele turnate; Contract nr.14/2014 Tip contract: național, agent economic; 5 membri in echipa ; Membru in echipa ; Valoare 6400 RON	2 luni 2*0.17 = 0.33p	
				24. Analiza tensiunilor reziduale din piesele turnate; Contract nr.15/2014 Tip contract: național, agent economic; 5 membri in echipa ; Membru in echipa ; Valoare 6400 RON	2 luni 2*0.17 = 0.33p	
				TOTAL 2.5.2.2	**31.47**	
			TOTAL 2.5.2		**35.47**	

		TOTAL 2.5			**48.91**	
		2.6 Coordonare / dezvoltare laborator/ centru cercetare (dacă laboratorul este şi didactic, punctajul se ia în calcul o singură dată)	Responsabil			
				Laborator de Tehnologii CNC, Robotică și Digitalizare Industrială- Hp10, Facultatea de Inginerie; Scop didactic și de cercetare	40	
				Laborator Control Dimensional si Nedistructiv Hp5, Facultatea de Inginerie; Scop didactic și de cercetare	40	
		TOTAL 2.6			**80**	
TOTAL Activitatea 2. Minim 150 puncte					**364.98**	

3	**Recunoaşterea şi impactul activităţii (A3)**	**3.1** Vizibilitate în baze de date internaţionale	Număr de citări în publicaţii (fără autocitări)	3.1.1 Citări în articole indexate ISI	10/nr. autori articol citat	Punctaj comisie
				1. *The Residual Stress State Generated by Single Point Incremental Forming of Aluminum Metal Sheets* - Radu Crina, Herghelegiu Eugen, **Tampu Catalin,** Cristea Ion, , INNOVATIVE MANUFACTURING ENGINEERING, Book Series: Applied Mechanics and Materials, Volume: 371 Pages: 148-152, 2013, **DOI:** 10.4028/www.scientific.net/AMM.371.148, **WOS**:000334556900029	**62.5**	
				Citări		
				1. Khani, S; Harhash, M; (...); Buhl, J, Incremental Sheet Forming on Tailored Hybrid Steel/Polymer/Steel Sandwich Materials; Formability and Residual Stress Investigation, JOM, Vol. 77, Issue 10, Page 7505-7518, **DOI:**10.1007/s11837-025-07486-w, **WOS**:001509338300001, 2025	10/4 = 2,5	
				2. Luo, XH; Li, YF; (...); Zhang, B, Effect of annealing on microstructure and bending springback of high-strength Al-Mg-Si-Cu alloys, MATERIALS TODAY COMMUNICATIONS, Vol. 46, **DOI:**10.1016/j.mtcomm.2025.112382, **WOS**:001469467700001, 2025	10/4 = 2,5	
				3. Bai, L; Yao, ZM; (...); Shang, M, Effects of ultrasonic vibration on the residual stresses generated during single-point incremental forming, JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY, Vol. 38, Issue 11, Page 6055-6064, **DOI:**10.1007/s12206-024-1023-y, WOS:001348332100011, 2024	10/4 = 2,5	
				4. Hussain, G; Khan, S; (...); Wu, HY., *Analysis of forming-ageing route on post-incremental forming microstructure, mechanical properties and residual stresses of an Al-Cu alloy*, International journal of advanced manufacturing technology, 2024, Vol. 135, Issue 5-6, Page 2909-2927, **DOI:**10.1007/s00170-024-14677-3, **WOS**:001340306400006	10/4 = 2,5	
				5. Shrivastava, P and Tandon, P., *Investigation of macro- and grain-scale residual stresses with an emphasis on spring-*	10/4 = 2,5	

				back behavior in preheated incrementally formed AA 1050 H14 components, Journal of Materials Engineering And Performance, 2024, Vol. 33, Issue15 Page 7518-7527, Special Issue SI, **DOI** 10.1007/s11665-024-09333-6, **WOS**:001194829100002		
				6. Hussain, G; Hassan, M; (...); Ostrikov, K., *Advances on Incremental forming of composite materials*, Alexandria Engineering Journal, 2023, Vol. 79, Page 308-336, **DOI**:10.1016/j.aej.2023.07.045, **WOS**:001062175900001	10/4 = 2,5	
				7. Kumar, D; Liu, ZG; (...); Kumar, AS., *Investigation of residual stresses induced by incremental sheet forming and stamping in aluminum alloys*, Journal of Materials Engineering and Performance, 2023, Vol. 32, Issue 7, Page 2950-2962, **DOI** 10.1007/s11665-022-07304-3, **WOS**:000861217900010	10/4 = 2,5	
				8. Kubit, A; Al-Sabur, R; (...); Korzeniowski, M., *Investigating residual stresses in metal-plastic composites stiffening ribs formed using the single point incremental forming method,* Materials, 2022, Volume 15, Issue 22, **DOI** 10.3390/ma15228252, **WOS**:000887481800001	10/4 = 2,5	
				9. Maqbool F., Maass F., Buhl J., Hahn M., Hajavifard R., Walther F., Tekkaya A. E., Bambach M., *Targeted residual stress generation in single and two point incremental sheet forming (ISF*), ARCHIVE OF APPLIED MECHANICS, 2021, vol. 91, Issue 8, Page 3465-3487, Special Issue SI, **DOI**:10.1007/s00419-021-01935-z, **WOS**:000646535100001	10/4 = 2,5	
				10. Maass F., Dobecki M., Hahn M., Reimers W., Tekkaya A.E., *Targeted induction of residual stresses in incremental sheet metal forming*, FORSCHUNG IM INGENIEURWESEN-ENGINEERING RESEARCH, Vol. 85, Issue 3, Page 807-816, Special Issue SI, **DOI:** 10.1007/s10010-021-00485-8, **WOS**: 000645889200003	10/4 = 2,5	
				11. Li Y.L., Wang Z.J., Zhai W.D., et al. *The influence of ultrasonic vibration on parts properties during incremental sheet forming*, ADVANCES IN MANUFACTURING, ISSN: 2095-3127, 2021, **DOI:** 10.1007/s40436-021-00347-0, **WOS:**000625859100001	10/4 = 2,5	
				12. Rashid H., Hussain G., Rehman K., Khan S., Alkahtani M., Abidi M.H., *Characterization of residual stresses in an asymmetrical shape produced through incremental forming*,	10/4 = 2,5	

				CIRP JOURNAL OF MANUFACTURING SCIENCE AND TECHNOLOGY, 2020, Vol. 31, Page 478-491, **DOI:** 10.1016/j.cirpj.2020.07.010, **WOS**: 000600790500044		
				13. Ilyas, Muhammad; Hussain, Ghulam; Rashid, Haris; et al., *Influence of Forming Parameters on the Mechanical Behavior of a Thin Aluminum Sheet Processed through Single Point Incremental Forming*, METALS, Volume: 10 Issue: 11, 2020, **DOI**: 10.3390/met10111461, **WOS**:000593170800001	10/4 = 2,5	
				14. Konka, P.; Lingam, R.; Singh, U. A.; et al., *Enhancement of accuracy in double sided incremental forming by compensating tool path for machine tool errors*, INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, Volume: 111 Issue: 3-4 Pages: 1187-1199, 2020, **DOI:** 10.1007/s00170-020-06149-1, **WOS**:000576537600006	10/4 = 2,5	
				15. Nirala, Harish Kumar; Agrawal, Anupam, *Residual stress inclusion in the incrementally formed geometry using Fractal Geometry Based Incremental Toolpath (FGBIT)*, JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, Volume: 279, 2020, **DOI:** 10.1016/j.jmatprotec.2019.116575, **WOS**:000514020300039	10/4 = 2,5	
				16. Slota, Jan; Krasowski, Bogdan; Kubit, Andrzej; et al., *Residual Stresses and Surface Roughness Analysis of Truncated Cones of Steel Sheet Made by Single Point Incremental Forming*, METALS, Volume: 10 Issue: 2, 2020, **DOI:** 10.3390/met10020237, **WOS:**000522450800082	10/4 = 2,5	
				17. Kumar, Rohit; Kumar, Gulshan; Singh, Arshpreet, *An assessment of residual stresses and micro-structure during single point incremental forming of commercially pure titanium used in biomedical applications*, MATERIALS TODAY-PROCEEDINGS, Vol. 28, Pages 1261-1266, Part 2, 2020, **DOI:** 10.1016/j.matpr.2020.04.147, **WOS**:000545533400009	10/4 = 2,5	
				18. Subrahmanyam, Adabala; Lingam, Rakesh; Hayakawa, Kunio; et al., *Experimental and Numerical Investigation of Residual Stresses in Incremental Forming*, MATERIALS TRANSACTIONS, Volume: 61 Issue: 2 Pages: 228-233, 2020, **DOI**: 10.2320/matertrans.MT-ML2019011, **WOS**:000509468500003	10/4 = 2,5	

				19. Maqbool, Fawad; Bambach, Markus, *Experimental and Numerical Investigation of the Influence of Process Parameters in Incremental Sheet Metal Forming on Residual Stresses*, JOURNAL OF MANUFACTURING AND MATERIALS PROCESSING, Volume: 3 Issue: 2, 2019, **DOI:** 10.3390/jmmp3020031, **WOS**:000591317900003	10/4 = 2,5	
				20. Maass, F.; Hahn, M.; Tekkaya, A. E.; et al., *Forming mechanisms-related residual stress development in single point incremental forming*, PRODUCTION ENGINEERING-RESEARCH AND DEVELOPMENT, Volume: 13 Issue: 2 Pages: 149-156 Special Issue: SI, 2019, **DOI:** 10.1007/s11740-018-0867-3, **WOS:**000464000400005	10/4 = 2,5	
				21. Maass, Fabian; Hahn, Marlon; Dobecki, Mateus; et al., *Influence of tool path strategies on the residual stress development in single point incremental forming, 18th International Conference on Sheet Metal*, SHEMET 2019 - New Trends and Developments in Sheet Metal Processing, Book Series: Procedia Manufacturing, Volume: 29 Pages: 53-58, 2019, **DOI:** 10.1016/j.promfg.2019.02.105, **WOS**:000560433600007	10/4 = 2,5	
				22. Maass, F.; Gies, S.; Dobecki, M.; et al., *Analysis of Residual Stress State in Sheet Metal Parts Processed by Single Point Incremental Forming*, Proceedings of 21st International ESAFORM Conference on Material Forming (ESAFORM 2018), Book Series: AIP Conference Proceedings, Volume: 1960, 2018, **DOI**: 10.1063/1.5035043, **WOS**:000432776900242	10/4 = 2,5	
				23. Shi, Xiaofan; Hussain, G.; Butt, Shahid I.; et al., *The state of residual stresses in the Cu/Steel bonded laminates after ISF deformation: An experimental analysis*, JOURNAL OF MANUFACTURING PROCESSES, Volume: 30 Pages: 14-26, 2017, **DOI:** 10.1016/j.jmapro.2017.09.009, **WOS**:000418212100002	10/4 = 2,5	
				24. Jimenez, Isaac; Lopez, Cecilio; Martinez-Romero, Oscar; et al., *Investigation of residual stress distribution in single point incremental forming of aluminum parts by X-ray diffraction technique*, INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, Volume: 91 Issue: 5-8 Pages: 2571-2580, 2017, **DOI:**	10/4 = 2,5	

				10.1007/s00170-016-9952-y, **WOS**:000404132100088		
				25. Singh, Arshpreet; Agrawal, Anupam, *Investigation of surface residual stress distribution in deformation machining process for aluminum alloy*, JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, Volume: 225 Pages: 195-202, 2015, **DOI**: 10.1016/j.jmatprotec.2015.05.025, **WOS**:000359171100022	10/4 = 2,5	
				2. The effect of residual stresses on the Accuracy of parts processed by SPIF – Radu Maria Crina, **Tampu Catalin**, Chirita Bogdan, Cristea Ion, Materials and Manufacturing Processes, pg 572-576, vol 28, issue 5, 2013	**100**	
				Citări		
				1. N. Verma and V. Kumar, "Decoding dimensional accuracy by optimization of SPIF of beryllium copper using RSM-DFA," Aircraft Engineering and Aerospace Technology, Article vol. 98, no. 4, pp. 539-549, Mar 16 2026, doi: 10.1108/aeat-06-2024-0189.	10/4 = 2,5	
				2. K. Chalermsermsri, S. Olarnrithinun, and Y. Aue-u-lan, "A review and guideline on the recent development of ISF: system approach, process parameters, hybrid and heat-assisted processes," Advances in Materials and Processing Technologies, Review; Early Access 2026, doi: 10.1080/2374068x.2026.2625802.	10/4 = 2,5	
				3. D. S. Sodha, B. Appalanaidu, P. K. Garapati, and H. K. Songa, "Rapid prototyping in sheet metal forming process: investigations on sacrificial layer effect during single point incremental forming process," International Journal of Interactive Design and Manufacturing - Ijidem, Article vol. 19, no. 9, pp. 6613-6624, Sep 2025, doi: 10.1007/s12008-025-02236-3.	10/4 = 2,5	
				4. R. Kumar and V. Kumar, "Multi-objective optimization of micro-ISF process parameter for enhancing miniature part accuracy for AA 6061 sheet material," Engineering Research Express, Article vol. 7, no. 4, Dec 31 2025, Art no. 045571, doi: 10.1088/2631-8695/ae1b65.	10/4 = 2,5	
				5. P. S. Olivio Filho, E. F. T. Olivio, C. P. Nikhare, P. D. Valle, and P. V. P. Marcondes, "Method for prediction of forming limit height in multistep incremental forming with real-time	10/4 = 2,5	

				decision making," Journal of Manufacturing Processes, Article vol. 85, pp. 246-261, Jan 6 2023, doi: 10.1016/j.jmapro.2022.11.052.		
				6. G. Kajal, M. R. Tyagi, and G. Kumar, "A review on the effect of residual stresses in incremental sheet metal forming used in automotive and medical sectors," Materials Today Proceedings, Article vol. 78, pp. 524-534, Jan 01 2023, doi: 10.1016/j.matpr.2022.11.235.	10/4 = 2,5	
				7. C. C. Coman et al., International Journal of Modern Manufacturing Technologies, Article vol. 15, no. 2, pp. 29-38, Dec 20 2023, doi: 10.54684/ijmmt.2023.15.2.29.	10/4 = 2,5	
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				TOTAL 3.1.1.	**336.26**	
				3.1.2 citări în articole indexate BDI	5/nr. autori articol citat	
				1. Radu Crina, Herghelegiu Eugen, **Tampu Catalin**, Cristea Ion, *The Residual Stress State Generated by Single Point Incremental Forming of Aluminum Metal Sheets*, INNOVATIVE MANUFACTURING ENGINEERING, Book Series: Applied Mechanics and Materials, Volume: 371 Pages: 148-152, 2013, DOI: 10.4028/www.scientific.net/AMM.371.148, WOS:000334556900029	**8.75**	
				Citări		
				1.C. Catalin Coman, S.N. Mazurchevici, C. Carausu,D. Nedelcu, *Influence of technological parameters on machining accuracy in incremental forming*, International Journal of Modern Manufacturing Technologies, ISSN 2067–3604, Vol. XV, No. 2 / 2023, https://doi.org/ 10.54684/ijmmt.2023.15.2.29, pp.29-38 (BD: Scopus, Index Copernicus, Inspec, CNKI, Google Scholar)	5/4 = 1,25	
				2.G Kajal, MR Tyagi, G Kumar, A review on the effect of residual stresses in incremental sheet metal forming used in automotive and medical sectors, Materials Today: Proceedings, 2023, Vol. 78, Part 3, 2023, Pages 524-534, https://doi.org/10.1016/j.matpr.2022.11.235 (BD: Elsevier/ScienceDirect, Google Scholar)	5/4 = 1,25	
				3.Wu J., Xiong D., Li X., et.al., *Investigation on residual stress in rotational parts formed through Incremental Sheet Forming: A novel evaluation method*, International Journal of Lightweight Materials and Manufacture, ISSN: 2588-8404, 2022, Volume 5, Issue 1, Pages 84-90, https://doi.org/10.1016/j.ijlmm.2021.08.001 (BD: Elsevier/ScienceDirect, Google Scholar)	5/4 = 1,25	
				4.Abdulrazaq M.M., Gazi S.K., Ibraheem M.Q., *Investigation the Influence of SPIF Parameters on Residual Stresses for Angular Surfaces Based on Iso-Planar Tool Path*, Al-Khwarizmi Engineering Journal, ISSN: 1818-1171, 2019, Vol. 15, No 2, pp. 50-59, DOI: https://doi.org/10.22153/kej.2019.09.002 (BD: DOAJ, Crossref)	5/4 = 1,25	
				5.Bedan A.S.S., Habeeb HAH., *An Investigation Study of Tool Geometry in Single Point Incremental Forming (SPIF) and their*	5/4 = 1,25	

				effect on Residual Stresses Using ANOVA Model, Al-Khwarizmi Engineering Journal, ISSN: 1818-1171, 2018, Vol 14, No 2, pp. 1-13, https://doi.org/10.22153/kej.2018.11.001 (BD: DOAJ, Crossref)		
				6. Mohammed S., *The Effects of Process Parameters on Residual Stresses in Single Point Incremental Forming of A1050 Aluminum Using ANOVA Model*, Engineering and Technology Journal, ISSN: 1681-6900, 2017, Vol. 35, Part A, No. 1, pp. 41-48 (BD: CrossRef, Google Scholar)	5/4 = 1,25	
				7. Abed A.H., Bedan A.S., Noori M.F., *Study the Effect of Multilayer Single Point Incremental Forming on Tool Path Mark for AA1050 bottom plates*, Engineering and Technology Journal, ISSN: 1681-6900, 2017, Volume 35, Issue 6 Part (A) Engineering, Pages 648-652 (BD: CrossRef, Google Scholar)	5/4 = 1,25	
				2. The effect of residual stresses on the Accuracy of parts processed by SPIF – Radu Maria Crina, Tampu Catalin, Chirita Bogdan, Cristea Ion, Materials and Manufacturing Processes, pg 572-576, vol 28, issue 5, 2013	**2.50**	
				Citări		
				M Kamal, S Mohammed, AS Bedan - The Effects of Process Parameters on Residual Stresses in Single Point Incremental Forming of A1050 Aluminum Using ANOVA Model; Engineering and Technology Journal ISSN: 16816900 24120758 Year: 2017 Volume: 35 Issue: 1 Part (A) Engineering Pages: 41-48	5/4 = 1.25	
				R Kumar, G Kumar, A Singh - Optimisation and modelling of thinning and geometric accuracy in incremental sheet forming combined with stretch forming; International Journal of Materials Engineering Innovation; Volume 10, Issue 1 https://doi.org/10.1504/IJMATEI.2019.097888	5/4 = 1.25	
				3. Influence of abrasive material quantity on surface quality generated by abrasive water jet operation - Eugen Herghelegiu, Miroslav Radovanovic, Gheorghe Brabie, Nicolae Catalin Tampu, International journal of modern manufacturing technologies (IJMMT), pg 43- 47, vol 3, nr 2, 2011	**7.5**	
				Citări		
				1. Filip, ALEXANDRU CĂTĂLIN, and H. O. R. A. T. I. U. Bulea. "Roughness variation and deviation from the perpendicularity of	5/4 = 1.25	

				high concentrated ceramic alumium oxide on linear cutting in abrasive jet machining technology." Proceedings of the 6th International Conference on Manufacturing Engineering, Quality and Production Systems (MEQAPS'13), ISSN. 2013.(BDI)		
				2. Tudor, Deaconescu, and Deaconescu Andrea. "Optimisation of abrasive jet cutting by means of taguchi methods." Nonconventional Technologies Review/Revista de Tehnologii Neconventionale 17.4 (2013).(BDI)	5/4 = 1.25	
				3. Joshi, Apurva D., D. I. Sangotra, and S. T. Bagde. "Development of Automated Glass Frosting Machine." International Journal of Science and Engineering Applications 2.6 (2013): 118-122.(BDI)	5/4 = 1.25	
				4. Herghelegiu, Eugen, et al. "Influence of the Distance between the Cutting Head and Working Sample on the Geometric Precision in Water Jet Abrasive Cutting Process." Applied Mechanics and Materials 371 (2013): 240-244.(BDI)	5/4 = 1.25	
				5. HERGHELEGIU, Eugen; RADU, Crina; SCHNAKOVSZKY, Carol; ZICHIL, Valentin;- Quality of the Cut Surfaces Processed by AWJC as a Function of the Distance between the Cutting Head and Working Sample ; Applied Mechanics & Materials . 2015, Vol. 809/810, p207-212. 6p.(BDI)	5/4 = 1.25	
				6. Radovanovic, Miroslav; Herghelegiu, Eugen- Perpendicularity deviation and surface roughness in abrasive water jet cutting of carbon steel; Revista de Tehnologii Neconventionale; Sibiu Vol. 20, Iss. 2, (Jun 2016): 39-44.(BDI)	5/4 = 1.25	
				4. Schnakovszky C., Herghelegiu E., Radu M.C., **Tampu N.C.**, *The surface quality of AWJ cut parts as a function of abrasive material reusing rate*, MODERN TECHNOLOGIES IN INDUSTRIAL ENGINEERING (MODTECH2015), Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 95, 2015, **DOI:** 10.1088/1757-899X/95/1/012004, **WOS**:000365128900004	**1.25**	
				Citări		
				1. Bartkowiak M., Wieczorowski M., Swojak N., Gapiński B. (2020) The Influence of Traverse Speed on Geometry After Abrasive Waterjet Machining. In: Królczyk G., Niesłony P., Królczyk J. (eds) Industrial Measurements in Machining. IMM 2019. Lecture Notes in Mechanical Engineering. Springer, Cham. https://doi.org/10.1007/978-3-030-49910-5_18 (BD: Springer Link,	5/4 = 1,25	

				SCOPUS, INSPEC, Google Scholar)		
				TOTAL 3.1.2.	**20**	
				3.1.3 citări în alte publicaţii		
				TOTAL 3.1.3.		
		TOTAL 3.1.			**356.26**	
		3.2 Prezentări efectuate ca invitat/ invitată în plenul unor manifestări ştiinţifice naţionale şi internaţionale şi Profesor invitat (exclusiv Erasmus)		3.2.1 în străinătate		
				3.2.2 în ţară		
		TOTAL 3.2.			**0**	
		3.3 (a) Membru în colectivele de redacţie sau comitete ştiinţifice ale revistelor şi manifestărilor ştiinţifice, organizator de manifestări ştiinţifice/(b) Recenzor pentru reviste şi manifestări ştiinţifice naţionale şi internaţionale indexate ISI	Punctajul se ia în calcul o singură dată pentru o revistă sau o manifestare ştiinţifică	3.3.1 indexate ISI		
				1. Membru în comitetul de organizare al conferinței internaționale Modern Technologies in Industrial Engineering (ModTech) 2015, 2016, 2018, 2019	10	
				Total 3.3.1.		
				3.3.2 indexate BDI		
				1. Membru în comitetul de organizare al conferinței internaționale Modern Technologies in Industrial Engineering (ModTech) 2013, 2014, 2017, 2020-2024	10	
				Total 3.3.2.		
				3.3.3 naţionale şi internaţionale neindexate		
				Total 3.3.3.		
		Total 3.3.			**20**	
		3.4 Experienţă de management, analiză şi evaluare în		3.4.1 Conducere	5*ani desfăşurare	
				Total 3.4.1.		
				3.4.2 Membru	2*ani desfăşurare	

		cercetare şi/sau învăţământ				
				2. Membru în Biroul Departamentului Ingineria și Management, Mecatronica (IMM), responsabil cu managementul calitatii (mandatul 2016-2026)	2*10 = 20	
				3. Membru în Consiliul Facultății de Inginerie (mandatul 2016-2026)	2*10 = 20	
				Total 3.4.2.		
				Total 3.4.	**40**	
		3.5 Premii		3.5.1 Academia Română		
				N/A	-	
				3.5.2 ASAS. AOSR, academii de ramură şi CNCS		
				Total 3.5.2.		
				3.5.3 premii internaţionale		
				N/A		
				3.5.4 premii naţionale în domeniu		
				N/A		
				Total 3.5.	**0**	
		3.6 Membru în academii, organizaţii, asociaţii profesionale de prestigiu, naţionale şi internaţionale, apartenenţă la organizaţii din domeniul educaţiei şi cercetării	3.6.1 Academia Română			
			N/A			
			3.6.2 ASAS, AOSR şi academii de ramură			
			N/A			
			3.6.3 Conducere asociaţii profesionale	3.6.3.1 internaţionale		
				N/A		
				3.6.3.2 naţionale		
				N/A		
			3.6.4 Asociaţii profesionale	3.6.4.1 internaţionale		
				Asociaţia Profesională în Tehnologii Moderne de Fabricaţie ModTech IAŞI-ROMÂNIA (din 2025 – prezent)	1*5 = 5	
				Total 3.6.4.1	**5**	
				3.6.4.2 naţionale		
				Asociației Universitare de Ingineria Fabricației (AUIF), din anul 2023 - prezent	3*2 = 6	
				Total 3.6.4.2	**6**	
			3.6.5	3.6.5.1 Conducere		

			Organizaţii în domeniul educaţiei şi cercetării	N/A		
				3.6.5.2 Membru		
				N/A		
		Total 3.6.			**11**	
TOTAL Activitatea 3. Minim 100 puncte					**427.26**	

Centralizator date privind îndeplinirea standardelor minimale pentru Profesor în domeniul Inginerie Industrială

Domeniul de activitate	Condiţii minimale pentru abilitare	Realizat	Punctaj Comisie
A1. Activitatea didactică / profesională	**Minim 80 puncte**	**204.77**	
	Cărţi /manuale/monografii/capitole de specialitate ca autor: **Conferentiar minimum 1 prim autor**	**6**, din care **2 ca prim autor**	
	Suporturi de curs/îndrumare: **Conferentiar minimum 2,** din care **1 ca prim autor**	**2**, din care **1 ca prim autor**	
A2. Activitatea de cercetare			
	Articole indexate în **ISI Thomson Reuters** **De la ultima promovare sau în ultimii 5 ani:** - **minimum 5 articole** din care **minimum 1 în reviste, minimum 2 ca autor principal,** pentru **Conferentiar**;	**De la ultima promovare:** **32 articole**, din care **20 în reviste**, **3 ca autor principal**;	
	Articole BDI **De la ultima promovare sau în ultimii 5 ani:** Articole în reviste şi volumele unor manifestări ştiintifice indexate în alte baze de date internaţionale, **Minimum 5**	**De la ultima promovare:** **16 articole**	
	Granturi/proiecte căştigate prin competiţie: Director/ Responsabil - **Minim 2D** sau **4R**	**3D, 0R**	
	Minim 150 puncte	**364.98**	
A3. Recunoaşterea impactului activităţii	**Minim 100 puncte**	**427.26**	
TOTAL	**Minim conferentiar 280 puncte**	**Total activitate: 997.01**	

Comisie examen de promovare

Președinte .....

Membri: .....

.....

.....

Citation Report: Marked List: 2026_1

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147 Analyze

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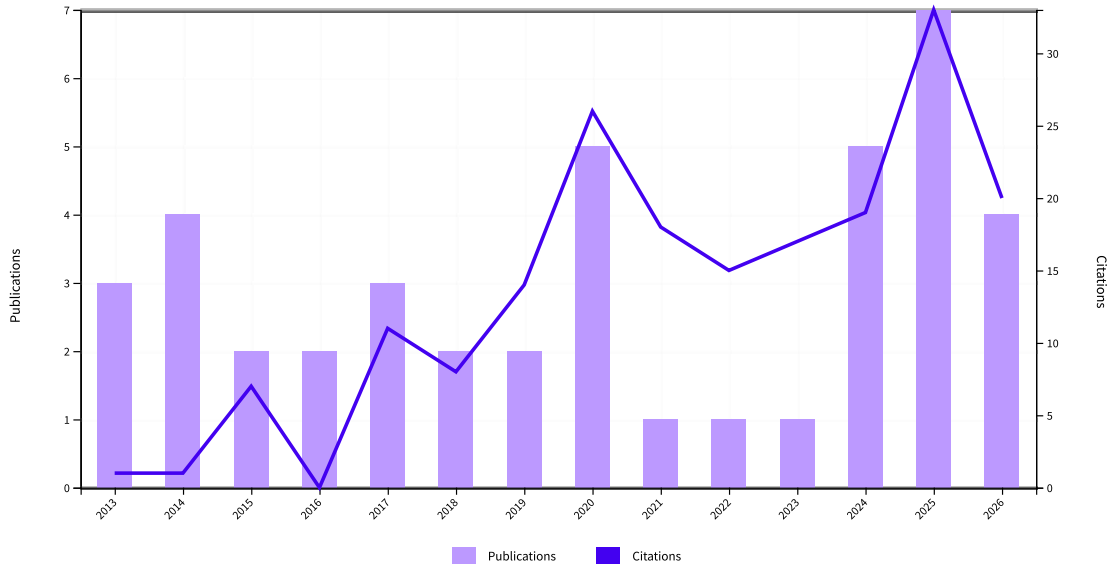

42 Publications

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	2022	2023	2024	202
Total	15	17	19	33
	6	2	0	2

1	**The Effect of Residual Stresses on the Accuracy of Parts Processed by SPIF** Radu, C; Tampu, C; (...); Chirita, B May 1 2013 | MATERIALS AND MANUFACTURING PROCESSES 28(5), pp.572-576				
2	**The Residual Stress State Generated by Single Point Incremental Forming of Aluminum Metal Sheets** Radu, C; Herghelegiu, E; (...); Cristea, I 17th International Conference on Innovative Manufacturing Engineering 2013 | INNOVATIVE MANUFACTURING ENGINEERING 371, pp.148-152	3	3	3	2
3	**Analysis of cutting forces and surface quality during face milling of a magnesium alloy** Chirita, B; Grigoras, C; (...); Herghelegiu, E 7th International Conference on Modern Technologies in Industrial Engineering (ModTech) 2019 | MODERN TECHNOLOGIES IN INDUSTRIAL ENGINEERING VII (MODTECH2019) 591	1	3	3	0
4	**Use of vegetable oils as dielectric fluids for electrical discharge machining. A case study** Radu, MC; Herghelegiu, E; (...); Ghiorghe, O Jun 15 2024 | HELIYON 10(11)	0	0	0	5

5	**Influence of the cutting regime on the residual stresses generated by carbon steel milling** Tâmpu, NC; Chirita, B; (...); Brabie, G Jun 2014 | INDIAN JOURNAL OF ENGINEERING AND MATERIALS SCIENCES 21(3), pp.283-288	0	1	0	1
6	**The Impact of Digitalization on Industrial Engineering Students' Training from the Perspective of Their Insertion in the Labor Market in a Sustainable Economy: A Students' Opinions Survey** Raveica, IC; Olaru, I; (...); Ciubotariu, VA Sep 2024 | SUSTAINABILITY 16(17)	0	0	2	5
7	**Experimental investigations to evaluate the effects of cutting parameters on cutting temperature and residual stresses during milling process of the AISI 1045** Abdelkrim, M; Brabie, G; (...); Chirita, B 5th International Conference on Modern Technologies in Industrial Engineering (ModTech) 2017 | MODTECH INTERNATIONAL CONFERENCE - MODERN TECHNOLOGIES IN INDUSTRIAL ENGINEERING V 227	0	3	1	2
		1	0	2	0

8	**Study of Residual Stresses Distribution Generated from Milling of Magnesium Alloy Parts** Chirita, BA and Tampu, NC Innovative Manufacturing Engineering Conference (IManE) 2014 | ENGINEERING SOLUTIONS AND TECHNOLOGIES IN MANUFACTURING 657, pp.18-22				
9	**Composite coatings based on nickel and Y_2O_3 nanoparticles: a comprehensive analysis of developments in electrodeposition and functional property optimization** Abdesselam, Y; Belloufi, A; (...); Chirita, B Apr 2025 | INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY 137(7-8), pp.3273-3332	0	0	0	3
10	**Review Regarding the Influence of Cryogenic Milling on Materials Used in the Aerospace Industry** Nita, B; Tampu, RI; (...); Schnakovszky, C Oct 2024 | JOURNAL OF MANUFACTURING AND MATERIALS PROCESSING 8(5)	0	0	0	2

11	**Modeling and multi-objective optimization of the milling process for AISI 1060 steel** Amira, MT; Rezgui, I; (...); Chirita, B Jun 2024 | INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY 132(11-12), pp.5705-5732	0	0	1	4
12	**Influence of cutting parameters on surface hardness in milling of AL6061T6** Tampu, C; Chirita, B; (...); Carausu, C 8th International Conference on Modern Technologies in Industrial Engineering VIII (ModTech) 2020 | MODTECH INTERNATIONAL CONFERENCE - MODERN TECHNOLOGIES IN INDUSTRIAL ENGINEERING VIII 916	0	1	3	1
13	**Analysis of Surface Roughness for High Speed Milling of a Magnesium Alloy Part** Chirita, BA and Tampu, NC ModTech International Conference - Modern Technologies in Industrial Engineering 2014 | MODERN TECHNOLOGIES IN INDUSTRIAL ENGINEERING 837, pp.33-38	0	3	0	0
		1	0	0	1

14	**Experimental investigation on the effects of cooling system on surface quality in high speed milling of an aluminium alloy** Chirita, B; Tampu, NC; (...); Radu, MC International Conference on Modern Technologies in Industrial Engineering IV (ModTech) 2016 | MODTECH INTERNATIONAL CONFERENCE - MODERN TECHNOLOGIES IN INDUSTRIAL ENGINEERING IV, PTS 1-7 145				
15	**Characterization of Laser-Textured Surfaces of Parts of a Biodegradable Polymer** Rusu, PD; Bialas, O; (...); Nedelcu, D Feb 2025 | COATINGS ▾ 15(2)	0	0	0	2
16	**Considerations on material thickness influence on the AWJ processing quality of an aluminium alloy** Herghelegiu, E; Radu, MC; (...); Tampu, CN 4th International Conference on Computing and Solutions in Manufacturing Engineering (CoSME) 2017 | 4TH INTERNATIONAL CONFERENCE ON COMPUTING AND SOLUTIONS IN MANUFACTURING ENGINEERING 2016 - COSME'16 94	0	0	0	0
		0	0	1	0

17	**Comparative analysis of the processing accuracy of high strength metal sheets by AWJ, laser and plasma** Radu, MC; Schnakovszky, C; (...); Zichil, V International Conference on Modern Technologies in Industrial Engineering IV (ModTech) 2016 | MODTECH INTERNATIONAL CONFERENCE - MODERN TECHNOLOGIES IN INDUSTRIAL ENGINEERING IV, PTS 1-7 145				
18	**Influence of the Temperature and Mechanical Stresses Generated by Milling Process in Machined Part Surfaces on their Accuracy** Tampu, NC; Radu, MC and Chirita, B 17th International Conference on Innovative Manufacturing Engineering 2013 | INNOVATIVE MANUFACTURING ENGINEERING 371, pp.59-63	0	0	0	0
19	**Optimization of SPE method for the extraction of 12 neurotransmitters from sheep brain** Tampu, R; Tampu, C and Elfakir, C Jul 2020 | OVIDIUS UNIVERSITY ANNALS OF CHEMISTRY 31(2), pp.110-121	1	0	1	0
		1	1	0	0

20	**The analysis of high-pressure water jet cutting of thick aluminium alloy 6061-T651 from a statistical perspective** Grigoras, CC; Chirita, B; (...); Iancu, C 8th International Conference on Modern Technologies in Industrial Engineering VIII (ModTech) 2020 | MODTECH INTERNATIONAL CONFERENCE - MODERN TECHNOLOGIES IN INDUSTRIAL ENGINEERING VIII 916				
21	**EVALUATION OF THE CORROSION INHIBITION POTENTIAL OF *RAPHANUS SATIVUS* AND *SPINACIA OLERACEEA* EXTRACTS PART II: MILD STEEL CORROSION INHIBITION BY *RAPHANUS SATIVUS* AND *SPINACIA OLERACEA* EXTRACTS AS GREEN CORROSION INHIBITORS** Tampu, NC; Tampu, RI; (...); Gavrila, L 2020 | SCIENTIFIC STUDY AND RESEARCH-CHEMISTRY AND CHEMICAL ENGINEERING BIOTECHNOLOGY FOOD INDUSTRY 21(3), pp.435-444	1	0	1	0
22	**Influence of the cooling liquid on surface quality characteristics in milling** Tampu, NC; Brabie, G; (...); Radu, MC 3rd International Conference on Modern Technologies in Industrial Engineering (ModTech)	0	0	0	1

	2015 | MODERN TECHNOLOGIES IN INDUSTRIAL ENGINEERING (MODTECH2015) 95				
23	**The Metal Sheets Processed by AWJ. Analysis of the Surface Quality** Schnakovszky, C; Herghelegiu, E and Tampu, C ModTech International Conference - Modern Technologies in Industrial Engineering 2014 | MODERN TECHNOLOGIES IN INDUSTRIAL ENGINEERING 837, pp.201-205	0	0	0	0
24	**Investigation of the Impact of Intensive EDM Regimes on Manufacturing Efficiency and Surface Quality of C120 Steel Parts** Herghelegiu, E; Ghiorghe, O; (...); Nita, B Jan 6 2026 | PROCESSES 14(2)	0	0	0	0
25	**Optimization of the Effects of Electrodeposition Parameters on the Nickel-Based Composite Coatings' Tribological Properties** Abdesselam, Y; Tampu, C; (...); Tampu, R Dec 31 2025 | PROCESSES 14(1)	0	0	0	0
26	**Multi-input fuzzy inference system based model to predict the cutting temperature when milling AISI 1060 steel** Abdelkrim, F.; Abdelkrim, M.; (...); Brabie, G.	0	0	0	1

	2023 | Journal of applied research and technology 21(3), pp.496-513				
27	**A THEORETICAL STUDY REGARDING THE INFLUENCE OF CARBON AMOUNT ON RESIDUAL STRESS DISTRIBUTION IN SURFACE LAYER** Tampu, NC; Tampu, RI; (...); Herghelegiu, E 2021 | SCIENTIFIC STUDY AND RESEARCH-CHEMISTRY AND CHEMICAL ENGINEERING BIOTECHNOLOGY FOOD INDUSTRY 22(1), pp.81-88	0	0	0	1
28	**EVALUATION OF THE CORROSION INHIBITION POTENTIAL OF *RAPHANUS SATIVUS* AND *SPINACIA OLERACEEA* EXTRACTS PART I: INFLUENCE OF THE COMPOSITION OF THE CORROSIVE MEDIA ON THE CHARACTERISTICS OF PLANT EXTRACTS** Birtea, AM; Poloboc, A; (...); Finaru, AL 2020 | SCIENTIFIC STUDY AND RESEARCH-CHEMISTRY AND CHEMICAL ENGINEERING BIOTECHNOLOGY FOOD INDUSTRY 21(2), pp.279-288	0	0	0	0
	MATHEMATICAL MODELLING FOR PHENOLATION OF SPENT SULFITE	0	0	0	0

29	**LIQUOR** Simion, AI; Grigoras, CG; (...); Gavrila, L Apr 2018 | ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL 17(4), pp.771-781				
30	**Comparative study on the processing of armour steels with various unconventional technologies** Herghelegiu, E; Schnakovszky, C; (...); Zichil, V 5th International Conference on Modern Technologies in Industrial Engineering (ModTech) 2017 | MODTECH INTERNATIONAL CONFERENCE - MODERN TECHNOLOGIES IN INDUSTRIAL ENGINEERING V 227	0	0	1	0
31	**The surface quality of AWJ cut parts as a function of abrasive material reusing rate** Schnakovszky, C; Herghelegiu, E; (...); Tampu, NC 3rd International Conference on Modern Technologies in Industrial Engineering (ModTech) 2015 | MODERN TECHNOLOGIES IN INDUSTRIAL ENGINEERING (MODTECH2015) 95	0	0	0	0
32	**Investigation of the Impact of Intensive EDM Regimes on Electrode Wear When Machining C120 Steel Parts** Herghelegiu, E; Schnakovszky, C; (...); Zaharia, A	0	0	0	0

	Apr 2 2026 | APPLIED SCIENCES-BASEL 16(7)				
33	**Experimental Study and Optimization of Welding Parameters of Stainless Steel During Spot Welding** Bourebbou, A; Tampu, C; (...); Tampu, R Mar 26 2026 | PROCESSES 14(7)	0	0	0	0
34	**STUDY OF THE INFLUENCE OF PICUAL OLIVE OIL ON THE FORMABILITY AND SURFACE QUALITY OF PARTS MACHINED BY INCREMENTAL FORMING OF AEROSPACE ALUMINIUM ALLOYS** Copot, LD; Martínez-Martínez, A; (...); Radu, MC 2026 | SCIENTIFIC STUDY AND RESEARCH-CHEMISTRY AND CHEMICAL ENGINEERING BIOTECHNOLOGY FOOD INDUSTRY 27(1), pp.053-065	0	0	0	0
35	**Wettability, Tribology, Degradation, and Topography of Laser-Textured Surfaces of Biopolymers** Ciofu, CD; Rusu, PD; (...); Nedelcu, D Aug 31 2025 | MICROMACHINES 16(9)	0	0	0	0
36	**Laser Surface Texturing of Biodegradable Polymers** Rusu, PD; Mazurchevici, SN; (...); Nedelcu, D	0	0	0	0

	8th International Polcom Conference Jun 2025 | MACROMOLECULAR SYMPOSIA 414(3)				
37	**INFLUENCE OF CUTTING PARAMETERS ON SURFACE QUALITY OF AL7075 ALLOY UNDER DRY AND LN2 COOLING CONDITIONS** Nita, B; Schnakovszky, C; (...); Tampu, C May 2025 | ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING 68, pp.45-50	0	0	0	0
38	**STUDY OF THE CUTTING FORCES AND QUALITY PARAMETERS OF THIN-WALLED PARTS MACHINED BY MILLING** Radu, P; Tâmpu, NC; (...); Radu, MC May 2025 | ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING 68, pp.91-96	0	0	0	0
39	**INFLUENCE OF THE ELECTRODE MATERIAL ON ELECTRICAL DISCHARGE MACHINING PROCESS PERFORMANCE** Ghiorghe, O; Schnakovszky, C; (...); Radu, P	0	0	0	0

	2024 | SCIENTIFIC STUDY AND RESEARCH-CHEMISTRY AND				
40	**Structural and Morphological Characterization of Biopolymeric Samples Through AWJ Machining** Marguta, D; Herghelegiu, E; (...); Nedelcu, D 5th International Conference on Design and Technologies for Polymeric and Composites Products (POLCOM) Aug 2022 | MACROMOLECULAR SYMPOSIA 404(1)	0	0	0	0

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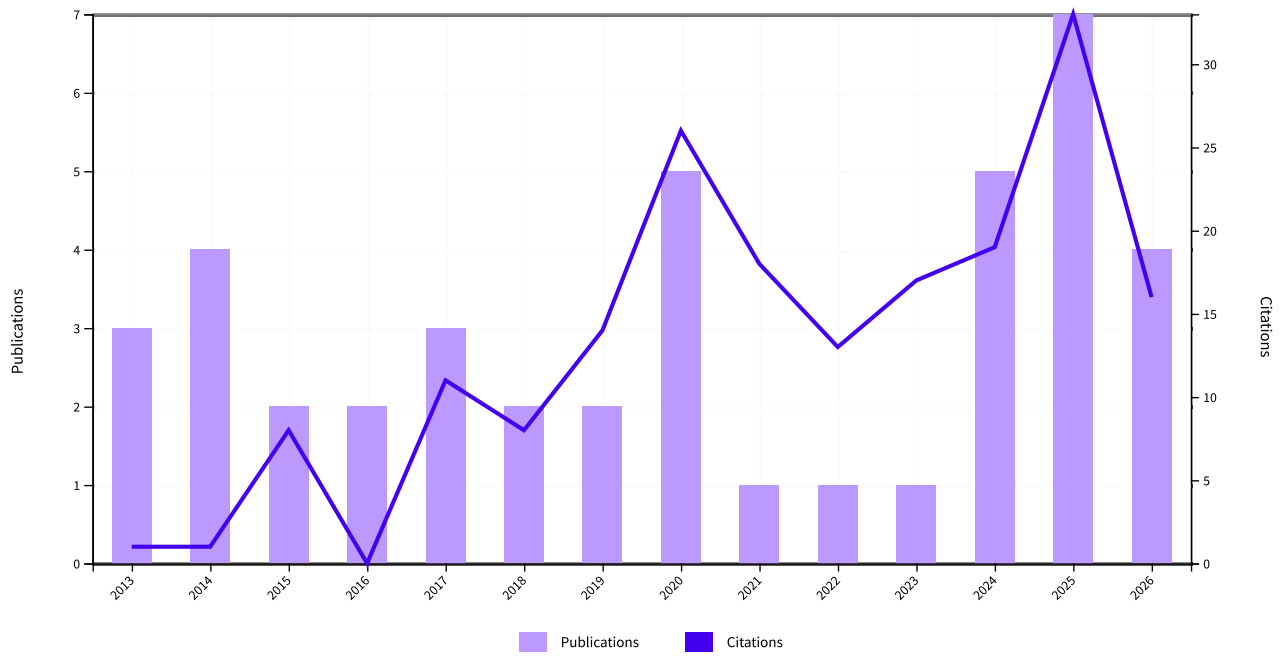

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⊖	0	0	2	5	1	2.67	8
⊖	0	0	0	5	3	2.67	8
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⊖	1	0	0	1	0	0.36	4
⊖	0	0	0	2	1	1.5	3
⊖	0	0	0	0	0	0.3	3
	0	0	0	0	0	0.21	3

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⊖	0	0	0	0	1	1	1
⊖	0	0	0	1	0	0.25	1
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Inginerie

	Toate	Din 2021
Referințe bibliografice	294	188
h-index	7	7
i10-index	7	5

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Considerations on material thickness influence on the AWJ processing quality of an aluminium alloy E Herghelegiu, MC Radu, C Schnakovszky, CN Tampu MATEC Web of Conferences 94, 03007	5	2017
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