FACULTATEA DE INGINERIE INDUSTRIALĂ, ROBOTICĂ ȘI MANAGEMENTUL PRODUCȚIEI

T: 0264-401782 | 0264-401612 (secretariat)
0264-401611 (decanat)
E: office@iirmp.utcluj.ro

Comisia de analiză a dosarelor de concurs a Facultății Inginerie Industrială, Robotică și Managementul Producției

AVIZ ÎNDEPLINIRE STANDARDE MINIMALE

Încheiat astăzi, **11.01.2024**, în cadrul ședinței desfășurată cu membrii Comisiei de analiză a dosarelor de concurs a Facultății IIRMP.

În conformitate cu **Metodologia de concurs** în vigoare în cadrul UTCN, art. 12 alin. (2) lit. i), art. 12 alin. (3) lit. g) și art. 35 alin. (7), **Comisia de analiză a dosarelor de concurs de la nivelul Facultății IIRMP** de a verifica informațiile cuprinse în fișa de verificare depusă de **șef lucrări dr.ing. BORZAN Cristina Stefana** pentru postul **conferențiar universitar poz. 23** din **Statul de funcții al Departamentul de Ingineria Fabricatiei.** Comisia de analiză apreciază că acesta îndeplinește cerințele cuprinse în fișa de verificare.

Comisia de verificare

Acad. Dorel BANABIC

Prof.Dr.Ing. Nicolae BÂLC

Prof.Dr.Ing.Dr.Ec. Stelian BRAD

Prof. Dr.Ing. Corina BÎRLEANU

Anexa 4

Fișa de verificare a standardelor minimale pentru gradul de conferențiar universitar stabilite prin OM. Nr. 6129/2016

Candidat: **Ș.l. dr. ing. Cristina Ștefana Borzan**
Domeniul: **INGINERIE INDUSTRIALĂ ȘI MANAGEMENT**
Poziția: **Conferențiar, Poz. 23**

Centralizator			
	Domeniul de activitate	**Condiții Conferențiar**	**Punctaj obținut**
1	Activitatea didactica / profesionala (A1)	Minim 80 puncte	**135,349**
2	Activitatea de cercetare (A2)	Minim 150 puncte	**378,249**
3	Recunoașterea impactului activității (A3)	Minim 50 puncte	**631.185**
	TOTAL:	**Minim 280**	**1144.748**

A1. Activitatea didactică și profesională

1.1 Cărți / manuale / monografii / capitole în cărți de specialitate

1.1.1 Cărți / manuale / monografii / capitole în cărți de specialitate ca autor

Conferențiar: **minimum 1** prim autor (**Realizate 6, pozițiile 1-6. Prim autor poz 2**)

1.1.1.1 Internaționale

Nr.	Titlu	Punctaj
1.	Buciuman C.M., Vilau C., Cagáňová D., **Miron-Borzan C.**, The Analysis of Different Materials Used for an Electric Car Charger Shell Under the Wind Influence. **Chapter In: Advances in Industrial Internet of Things, Engineering and Management. EAI/Springer Innovations in Communication and Computing. Springer, Cham.** 2021, https://doi.org/10.1007/978-3-030-69705-1_9, Print ISBN ISBN 978-3-030-69704-4, Online ISBN 978-3-030-69705-1	0,4
2.	**Borzan C.Ș,** Implanturi personalizate - Fabricație și biocompatibilitate, Tehnica-Info, Chisinau 2022, 231 pag, ISBN 978-9975-63-527-1	46,2
3.	Marian Borzan, Adrian Trif, **Cristina Miron-Borzan**, "*Scule Aschietoare. Materiale*", Editura Tehnica-Info, Chisinau 2019, 245 pag, ISBN 978-9975-63-449-6.	16,33

1.1.1.2 Naționale (Ed. Recunoscute CNCSIS)

Nr.	Titlu	Punctaj
4.	Petru Berce, Nicolae Bâlc, Horea Chezan, Dan Leordean, Voicu Mager, **Cristina Borzan,** Cristian Berce – *Aplicațiile medicale ale tehnologiilor de*	4

	fabricație prin adăugare de material (Medical applications of Additive Manufacturing Technologies) Editura Academiei Române, București, 2015, ISBN 978-973-27-2591-7, 280 pages, lucrare pentru care s-a primit Premiul Academiei Romane, Henri Coanda 2015.	
5.	Marian Borzan, Adrian Trif, **Cristina Miron-Borzan**, Scule aschietoare, geometrii, Editura UTPRESS, Cluj-Napoca, 2018, ISBN 978-606-737-327-1, 265 pag.	8,833
6.	Răzvan Păcurar, **Cristina Borzan**, Eugen Guţiu, Cătălin Moldovan, Cristian Vilău, Sorin Comşa, Cosmin Cosma, Petru Berce, Nicolae Bâlc, Miloš Simonovic, Aleksandar Miltenovic, Milan Banic, Nikola Vitkovic, Remigiuzs Labudski, Filip Gorski, Magdalena Zukowska, Filip Sarbinovski, Sven Maricic, Mate Babic, Branislav Rabara, Peter Kostal, Erika Hruskova, BRIGHT e-toolkit manual for digital learning in producing medical parts by 3D printing methods in the context of the pandemic (e-toolkit), Risoprint Publishing House, Cluj-Napoca, 2023, ISBN: 978-973-53-3028-6, 184 pag.	0,836

1.2 Alte materiale didactice inclusiv în format electronic

1.2.1 Suporturi de curs / îndrumare

Conferenţiar: **minimum 2** din care 1 ca prim autor (Realizate 3, poziţiile 7-9. Prim autor poz 7)

Nr.	Titlu	Punctaj
7.	**C.S Borzan**, Tehnologii de Fabricație - Suport de Curs pentru specializarea „Sisteme și Echipamente Termice", Ed. Ecou Transilvan, Cluj-Napoca, 2022, ISBN 978-606-730-921-8, 330 pag	16,5
8.	Adrian Trif, Marian Borzan, **Cristina Miron-Borzan**, *"Logistica, Aplicatii WinQSB"*, Editura UTPRESS, Cluj-Napoca, 2019, format electronic, ISBN 978-606-737-381-3 https://biblioteca.utcluj.ro/carti-online-cu-coperta.html 69 pag	1,15
9.	E.S. Pop, **C. Miron-Borzan,** s.a. (10 autori), Indrumător pentru practica studenților în atelierul mecanic", Ed. UTPRESS, Cluj-Napoca, ISBN 978-606-737-418-6, 220 pag, 2019	1,1

1.3 Coordonarea de programe de studii, organizare şi coordonare programe de formare continuă și proiecte educaționale

Nr.	Titlu	Punctaj
1.	-	

1.4 Dezvoltarea de noi discipline

Nr.	Titlu	Punctaj
1.	Tehnologie de Fabricatie (SET Cluj-Napoca)	10

1.5 Proiecte educaționale ERASMUS

1.	Contract ERASMUS pe Domeniul: Manufacturing and processing Manufacturing Sciences Mechanics and metal trades, cu INSTITUTE OF TECHNOLOGY AND BUSINESS IN CESKE BUDEJOVICE – Cehia (dovada agreement scanat) http://bri.utcluj.ro/erasmus_plus_cj.php	10
2	Contract ERASMUS pe Domeniul: Manufacturing and processing, cu TECHNICAL UNIVERSITY OF MOLDOVA – Republica Moldova (dovada agreement scanat) http://bri.utcluj.ro/erasmus_plus_cj.php	10
3.	Contract ERASMUS pe Domeniul: Manufacturing and processing, cu PALACKÝ UNIVERSITY OLOMOUC, Cehia (dovada agreement scanat) http://bri.utcluj.ro/erasmus_plus_cj.php	10

Total A1. Activitatea didactică și profesională: 135,349 puncte.

A2. Activitatea de cercetare

2.1 Articole indexate în reviste cotate ISI Thomson Reuters şi în volumele unor manifestări ştiinţifice indexate ISI Thomson Reuters, vizibile în baza de date

Conferenţiar: de la ultima promovare **minimum 5** (Realizate 12 articole, poziţiile 1-12) din care **minimum 1 în reviste** (Realizate 9 articole, poziţiile 1-6, 8, 11, 12), **minimum 2 ca autor principal** (Realizate 4 articole, poziţiile 1, 6, 7, 8).

Nr.	Titlu	Punctaj
1.	Emilia Sabău, Paul Bere, Mărioara Moldovan, Ioan Petean, Cristina-**Ştefana Miron-Borzan**, Evaluation of novel ornamental cladding resistance, comprised of GFRP waste and polyester binder, within an acid environment, Polymers, 13(3):448, **2021**, DOI: 10.3390/polym13030448, [redacted]**Corresponding Author**	15,934
2.	Emilia Sabău, Răzvan Udroiu, Paul Bere, Ivan Buranský, **Cristina-Ştefana Miron-Borzan**, A Novel Polymer Concrete Composite with GFRP Waste: Applications, Morphology, and Porosity Characterization,Appl. Sci.-Basel, 10(6):2060, **2020**, DOI: 10.3390/app10062060, ISI Q2, IF 2,679	11,358
3.	R. Păcurar, P. Berce, A.Petrilak, O.Nemeş, **C. Ş. Miron Borzan**, M. Harničárová, A. Păcurar, Selective Laser Sintering of PA 2200 for Hip Implant Applications: Finite Element Analysis, Process Optimization, and Morphological and Mechanical Characterization, Materials, Vol 14, Issue 15, pp 4240, 2021 **https://doi.org/10.3390/ma14154240** ISI Q2, IF: 3.623	9,64
4.	Pacurar, R, Berce, P, Nemes, O, Baila, DI, Stan, DS, Oarcea, A, Popister, F, **Borzan, C**, Maricic, S, Legutko, S, Pacurar, A, Cast Iron Parts Obtained in Ceramic Molds Produced by Binder Jetting 3D Printing-Morphological and Mechanical Characterization, MATERIALS, Vol 14, Issue 16, Article Number 4502, https://doi.org/10.3390/ma14164502 , 2021, ISI Q2, IF: 3.623	6.135
5.	M. Harničárová, J. Valíček, M. Kušnerová, Z. Palková, I. Kopal, **C. Borzan**, M. Kadnár and S. Paulovič, A New Method of Predicting the Structural and Mechanical Change of Materials during Extrusion by the Method of Multiple Plastic Deformations, Materials 2021, Vol 14, Issue 10, 2594, ISSN 1996-1944, , ISI Q2, IF: 3.057.	8,435

Nr.	Titlu	Punctaj
6.	Mitaľová, Z., Litecká, J., Mitaľ, D., Harničárová, M., Valíček, J., **Miron-Borzan, C.S.** Borzan, M., Destructive Testing Of Wood Plastic Composite, Materiale Plastice Journal, , 57 (2), 2020, 208-214, https://doi.org/10.37358/MP.20.2.5367, ISI Q4, **IF: 0.593** (2020) - **Corresponding Author**	5,133
7.	**Miron-Borzan C.Ş.**, Chezan H., Buciuman C., Sabău E., Study of a customized implant in cranio-maxillofacial surgery, 4th International Conference on Nanotechnologies and Biomedical Engineering, ICNBME, Republic of Moldova, Chisinau, Vol. 77, pp. 379-384, 2019, DOI: 10.1007/978-3-030-31866-6_70 https://doi.org/10.1007/978-3-030-31866-6_70 , ISI Proceedings	6,25
8.	C. Buciuman, L. Hancu, C. Vilau, **C. S. Miron Borzan**, Research Regarding Design and Material for an Electrical Car Charger Shell, MATERIALE PLASTICE, 56, No. 3, 2019, pp. 488-491, WOS:000487764000004, **ISI Q4, IF: 1.517 (2019). - Corresponding Author**	11,293
9.	J. Kmec, M.Harničárová, **C. Borzan**, M. Borzan, J.Valíček, J. Kříž, M. Kušnerová, Proposal for a method of measurement and control of surface quality in the course of abrasive waterjet cutting of material, MATEC Web of Conferences, Vol. 299, Modern Technologies in Manufacturing (MTeM 2019), Pages 02003, 2019 https://doi.org/10.1051/matecconf/201929902003 ISI Proceedings.	3,571
10.	R. Cep, L.Cepova, **C. S. Borzan**, J. Kasal, M. Sadilek, D. Sokova, M. Hatala, J.Petru, D. Stancekova, M. Pagac, J. Hajnys, O. Mizera, Influence of Coolant Pressure Size on Surface Roughness when Stainless Steel Machining, MATEC Web of Conferences, Vol. 299, Modern Technologies in Manufacturing (MTeM 2019), Pages 04002, 2019 https://doi.org/10.1051/matecconf/201929904002 ISI Proceedings	2,083
11.	A. Pacurar, R. Pacurar, B. Erőss, **C. Miron-Borzan**, Optimal Tool Path Strategies For Decreasing The Manufacturing Time Of One Thermoforming Mold, Acta Technica Napocensis-Series: Applied Mathematics, Mechanics, and Engineering, Volume 64, Issue 1, 2021 ISI Proceedings	6,25
12.	Valíček, J., Harničárová, M., Kušnerová, M. , Palková Z., Kopal I., **Borzan C.** , Czán A., Mikuš R., Kadnár M., Duer S., Šepelák V., Stress–strain parameter prediction method for AWJ technology from surface topography. Int J Adv Manuf Technol (2023). https://doi.org/10.1007/s00170-023-11601-z , **ISI Q3, IF: 3.4** (2022)	5,966
13.	M. Mera, **C. Miron-Borzan**, Research regarding a method for determining the parameters value of modifying spur gears teeth profile in longitudinal plane, Acta Technica Napocensis Series-Applied mathematics mechanics and engineering, Vol. 61, Issue 2, p. 175-180, 2018 WOS:000437045000004 ISI	15
14.	M Mera, **CS Miron-Borzan**, Research Regarding the Influence of Execution, Assembly and Functioning Errors on the Teeth Profile Modification of Spur Gear in Front Plane, MATEC Web of Conferences Volume 137 Modern Technologies in Manufacturing (MTeM 2017 - AMaTUC), 01007, ISBN: 978-2-7598-9027-9, 2017, https://doi.org/10.1051/matecconf/201713701007. ISI Proceedings	12,5
15.	**C. S. Miron Borzan**, M.Moldovan, V. Bocanet, Evaluation of Surface Modification of PA 2200 Parts Made by Selective Laser Sintering Process, REVISTA DE CHIMIE, volume 2018, April, ISSN 2537-5733, ISI Q3, IF: 1,605 (2018) WOS:000433223000027 .	15,35
16.	C. Cosma, N. Balc, M. Moldovan, L. Morovic, P. Gogola, **C. Miron-Borzan,** Post-processing of customized implants made by laser beam melting from	5,75

Nr.	Titlu	Punctaj
	pure Titanium, Journal of Optoelectronics and Advanced Materials Vol. 19, No. 11 - 12, November – December 2017, p. 738 – 747, ISSN: PRINT: 1454 – 4164, ON-LINE: 1841 – 7132, ISI Q4, **IF:** 0.45 (2017).	
17.	M. Kapustova, J. Bilik, M.Sahul, M. Ridzon, **C. S. Miron Borzan,** Experimental Research Regarding the Plastic Flow of Aluminium Alloy EN AW-7075 in Closed-die Forging Without Flash, Revista de Materiale Plastice, Vol 54, No.2, 2017, p. 326-330, ISSN 0025-5289, WOS:000408702100029 ISI Q4, **IF**: 1.248.	8,496
18.	**C. S. Miron-Borzan**, M.C. Dudescu, P. Berce, Bending and compression tests for PA 2200 parts obtained using Selective Laser Sintering method, The 4th International Conference on Computing and Solutions in Manufacturing Engineering 2016 – CoSME'16, MATEC Web Conf., Volume 94, 2017, DOI: 10.1051/matecconf/20179403010, WOS:000393034000040 ISI Proceedings	8,333
19.	**Cristina Stefana Miron-Borzan,** Emilia Sabău, Mircea Mera, Petru Berce, Research Regarding the Manufacturing through AM Technologies of an Implant for Cervical Disc Replacement, MTeM - AMaTUC, MATEC Web of Conferences, Vol. 137, **2017**, DOI: 10.1051/matecconf/201713702008, ISI Proceedings	6,25
20.	**C. Ş. Miron-Borzan**, M. C. Dudescu, V.Ceclan, A. Trif, Ridzon M., P. Berce, PA 2200 vs. PMMA: Comparison between the mechanical proprieties obtained for the 2 biocompatible materials, Revista de Materiale Plastice, Vol 53, no. 1, 2016, WOS:000351194900010 ISI Q4, **IF**: 0.903	6,505
21.	D. C. Mada, C.Gasparik, M. Moldovan, **C. S. Miron-Borzan**, A. I. Irimie, D. Cornea, D. Dudea, Campian R. S. , The Effect of a Natural Extract-Based Experimental Bleaching Gel Upon the Colour and Surface Roughness of a Composite Resin - An In Vitro Study, Studia Universitatis Babes-Bolyai Chemia LXI, 4, 2016 (p. 43 - 52), WOS:000393578800004, ISI Q4, **IF**: 0.244	4,055
22.	**Miron-Borzan C.Ş.,** M. C. Dudescu, Khalid Abd Elghany, V. Ceclan, P. Berce, Analysis of mechanical proprieties of selective laser sintered polyamide parts obtained on different SLS equipment, Revista de Materiale Plastice, Vol. 52, no. 1, March, 2015, ISSN 0025-5289, WOS:000373966500001, ISI Q4, **IF**: 0.903	7,806
23.	Ceclan VA, Bere P, Borzan M, Grozav S, **Borzan C**, Development of Environmental Technology for Carbon Fibre Reinforced Materials Recycling, MATERIALE PLASTICE, Volume: 50, Issue: 2, JUN 2013, Pages: 79-83, WOS:000320842600002 ISI Q4, **IF**: 0.463.	6,926
24.	Ceclan VA, Balc N, Grozav S, Bere P, **Borzan CS**, Quality of the hydroformed tubular parts, Conference on Interdisciplinary Research in Engineering Steps towards Breakthrough Innovation for Sustainable Development (INTERIN 2013), Advanced Engineering Forum, Volume: 8-9, 2013, Pages: 215-224, DOI: 10.4028/www.scientific.net/AEF.8-9.215, WOS:000323184000024 ISI Proceedings.	5
	Total puncte A2.1	**191,438**

2.2 Articole în reviste şi volumele unor manifestări ştiinţifice indexate în alte baze de date internaţionale

Conferenţiar: **minimum 5** de la ultima promovare (Realizate 6 articole, poziţiile 1-6)

Nr.	Titlu	Punctaj
1.	Vitković, N., Trajanović, M., Aranđelović, J., Păcurar, R., **Borzan, C.** (2022). Contact Surface Model Parameterization of the Extra-Articular Distal	3

Nr.	Titlu	Punctaj
	Humerus Plate. In: Gorski, F., Rychlik, M., Păcurar, R. (eds) Advances in Manufacturing III. MANUFACTURING **2022**. Lecture Notes in Mechanical Engineering. Springer, Cham. https://doi.org/10.1007/978-3-030-99769-4_7 [SCOPUS]	
2.	Sabău Emilia, Trif Adrian, **Miron-Borzan Cristina-Ştefana**, Popescu Adrian, Numerical simulation of flexural behavior of glass fiber reinforced polymer composites, AJME,vol. 19(1), **2021**, pp. 52-56 [SCOPUS]	3,75
3.	**Miron-Borzan C.Ş.**, Sabău E., Vilău C., Ceclan V., A comparative study using finite element analyses for cervical disc implants, Academic Journal of Manufacturing Engineering – AJME, ISSN 1583-7904, vol. 18(2), **2020** pp. 5-11 [SCOPUS]	3,75
4.	Kapustova, M., Kolenak, R., Sobota, R., Bilik, J., Šimna, V., Ridzon, M. And **Borzan, C.S**, Plastic Flow Verification in a Tool Cavity for Production of Test Sample for Wettability Solders Measurement, Revista de Chimie, Volume 71, Issue 1, Pages 107 – 112, **2020** https://doi.org/10.37358/RC.20.1.7820 [SCOPUS]	2,5
5.	Sabău E., Popescu A., **Miron-Borzan C.Ş.**, Panc N. Mathematical regression model of unidirectional glass fibre reinforced polymer composites, Academic Journal of Manufacturing Engineering – AJME, ISSN 1583-7904, vol. 17(3), **2019** pp. 108-112 [SCOPUS]	3,75
6.	Berce, P., Sadeh, A., Pacurar, R. and **Miron-Borzan, C., 2019**. Rapid product development using additive manufacturing technologies. The Romanian Journal of Technical Sciences. Applied Mechanics., 64(3), pp.189-207. [Index Copernicus]	3,75
7.	M. Mera, **C. Miron-Borzan**, Research Regarding The Stiffness Determination Of The Spur Gears Teeth, Academic Journal of Manufacturing Engineering, Isue 4, vol 16, ISSN 1583-7904, p. 134-139, 2018. [EBSCO]	7,5
8.	Sabău E., Bâlc N., Bere P., **Borzan C.S.**, Ceclan V., Experimental study on mechanical behavior of glass fiber reinforced polymer composites under axial compression, Academic Journal of Manufacturing Engineering - AJME, ISSN: 1583-7904, vol. 11(3), **2013**, pp. 110-113 [SCOPUS]	3
9.	Ceclan V., Grozav S., Sabău E., Popan A., **Borzan C.**, Structural analysis of tubes hydroforming, Academic Journal of Manufacturing Engineering - AJME, ISSN: 1583-7904, vol. 11(3), **2013**, pp. 56-59 [SCOPUS]	3
10.	**Borzan C.S.**, Berce P., Chezan H., Sabau E., Radu S.A., Ridzon M., Physico-mechanical properties characterization of the parts from PA 2200 manufactured by selective laser sintering technology, Academic Journal of Manufacturing Engineering – AJME, ISSN: 1583-7904, vol. 11(4), **2013**, pp. 108-113 [SCOPUS]	2,5
11.	Cosma, S.C., Balc, N., Leordean, D., Moldovan, M., Dudescu, M. and **Borzan, C.**, 2015. Customized Medical Applications Of Selective Laser Melting Manufacturing, Academic Journal Of Manufacturing Engineering, 13(1), p. 24-32, ISSN 15837904 [SCOPUS]	2,5
12.	Ceclan, V.A., Bâlc, N., Miron, A.V., **Borzan, C.** And Popan, A., 2011. Numerical Simulation Of The Tube Bending Process And Validation Of The Results. Academic Journal Of Manufacturing Engineering, 9(3), Pages 32 – 37, ISSN 15837904 [SCOPUS]	3
13.	Miron, A.V., Bâlc, N., Popan, A., **Borzan, C.Ş.** and Bere, P., 2013. Studies On Water Jet Cutting Of 2D Parts Made From Carbon Fiber Composite Materials. Academic Journal of Manufacturing Engineering, 11(2), pp. 87-92. [SCOPUS]	3
14.	Popescu, A., Hancu, L.L., Bere, P. and **Miron-Borzan, C.Ş.**, 2015. Experimental and Theoretic Research Regarding Extrusion Optimization for Reinforced Polyamide (PA 6.6–10% GF). In Applied Mechanics and Materials (Vol. 808, pp. 125-130). Trans Tech Publications Ltd., DOI:10.4028/www.scientific.net/AMM.808.125	3,75

Nr.	Titlu	Punctaj
15.	**Miron-Borzan, C.Ş.**, Popan, A., Ceclan, V.A., Popescu, A. and Berce, P., 2015. Custom implants: Manufacturing principles and determination of psychological price. In Applied Mechanics and Materials (Vol. 808, pp. 169-174). Trans Tech Publications Ltd.	3
16.	Cosma, S.C., Balc, N., Moldovan, M. and **Miron-Borzan, C.Ş.**, 2015. Surface treatments applied on titanium implants. Ovidius University Annals of Chemistry, 26(1), pp.41-48.	3,75
17.	**Borzan, C.Ş.**, Berce, P., Leordean, V.D., Luca, A., Miron, A.V. and Morovic, L., 2013. Study of a tridimensional model of a custom implant in cranio-maxillofacial surgery. Acad. J. Manuf. Eng, 11, pp.38-43.	2,5
18.	Popan, A., Bâlc, N., Popan, A., Panc, N. and **Borzan, C.S.**, 2015. Using Simulation to Improve the Quality of the Metallic Industrial Components Made by Rapid Casting. In Applied Mechanics and Materials (Vol. 808, pp. 187-192). Trans Tech Publications Ltd.,	3
19.	Luca, A., Bâlc, N., Popan, I.A. and **Borzan, C.S.**, 2013. Research To Improve The Surface Quality Of Metal Parts Made By Investment Casting. Academic Journal Of Manufacturing Engineering, 11(2).	3,75
	Total puncte A2.2	**64,75**

2.3 Articole în extenso în reviste / volumele unor manifestări ştiinţifice naţionale / internaţionale neindexate

Nr.	Titlu	Punctaj
1.	Miron A. V., Borzan M., Ceclan V., **Miron-Borzan C.S.**, Popescu A. Case study of simulation for a superplastic forming, 16th International Conference „Automation in Production Planning and Manufacturing", Zilina – Oscadnica, Slovak Republik, 2015, ISBN 978-80-89276-47-9, pg 88-93.	0,8
2.	Miron A. V., Balc N., Popan A., Grozav S., **Miron-Borzan C.S.,** Research on abrasive waterjet machining of composite materials, 16th International Conference „Automation in Production Planning and Manufacturing", Zilina – Oscadnica, Slovak Republik, 2015, ISBN 978-80-89276-47-9, pg 83-87.	0,8
3.	Luca A., Balc N., Grozav S., Popan A., **Borzan C.Ş.**, Manufacture of metallic parts by vacuum casting process, 15th International Conference „Automation in Production Planning and Manufacturing", Zilina – Oscadnica, Slovak Republik, 2014, ISBN 978-80-554-0878-1, pg 108-111.	0,8
4.	**Borzan C.Ş.**, Berce, P., Ceclan V., Grozav S., Luca A., Research regarding achiving a sillicone rubber mould for a custom cranioplasty, 15th International Conference „Automation in Production Planning and Manufacturing", Zilina – Oscadnica, Slovak Republik, 2014, ISBN 978-80-554-0878-1, pg 28-32	0,8
5.	Ceclan V., Grozan S., **Borzan C. Ş.**, Popan A., Maries M., "Numerical Simulation of bending and hydroforming processes of tubular parts", 14th International Conference „Automation in Production Planning and Manufacturing", Zilina – Turcianske Teplice 2013, ISBN 978-80-89276-41-7, pg 19-23.	0,8
6.	**Borzan C.Ş.**, Berce P., Miron A.V., Grozav S., Ceclan V., "An overview about the actual study of the use of PEEK in medical devices", 14th International Conference „Automation in Production Planning and Manufacturing", Zilina – Turcianske Teplice 2013, ISBN 978-80-89276-41-7, pg 15-18.	0,8
7.	Hodor, A.I., Berce, P., **Borzan, C.Ş.**, Miron, A.V., "Manufacture molds for small and medium series production from composite materials reinforced whith glass fiber", 13th International Conference „Automation in Production Planning and Manufacturing", Zilina – Turcianske Teplice, 2012, ISBN 978-80-89276-35-6, pg 83-86.	1
8.	**Borzan, C.Ş.**, Berce, P., Miron, A.V., Hodor, A.I., Ceclan, V.A., "Some considerations about manufacturing of custom implants from biocompatible	0,8

Nr.	Titlu	Punctaj
	materials", 13th International Conference „Automation in Production Planning and Manufacturing", Zilina – Turcianske Teplice 2012, ISBN 978-80-89276-35-6, pg 32-35	
9.	Borzan M., Muresan M., Trif A., **Borzan C.S.**, "*The Influence of the Sharpening Angle to the Hob Cutting Precision*". MTeM Proceedings for 2009 & Proceedings of the 9th International Conference „Modern Technologies in Manufacturing", 8th – 10th October Cluj-Napoca, ISBN 973-7937-07-04, p.21-22	1
10.	**Borzan C. Ş.**, Bacali L., Trif C. M., "The determination of the psychological price", KSI Transactions on Knowledge Society, II International science conference "Knowledge Society", ISSN 1313-4787, vol. 4, 2009, pg. 9–10, II International Science Conference Knowledge Society and III International Science Conference for Young researchers "Technical Science and Industrial Management", 2-4 September 2009, Nessebar, Bulgaria.	1,33
11.	**Borzan C.Ş.**, Bacali L., Bojan I., Rus D., "Marketing research for student education in Engeenering and management". KSI Transactions on Knowledge Society, Bulgaria, ISSN 1313-4787, vol.4, dec. 2009, pg. 5-8, II International Science Conference Knowledge Society and III International Science Conference for Young researchers "Technical Science and Industrial Management", Nessebar, Bulgaria, 2-4 September 2009.	1
	Total puncte A2.3	**9,93**

2.5 Granturi / proiecte câştigate prin competiţie sau contracte cu mediul socio-economic

Conferenţiar: **minimum1 Director sau 2 Responsabil** (Realizat 1D)

2.5.1 Director/Responsabil

Nr.	Titlu	Punctaj
1	Contract de cercetare-dezvoltare-inovare, Nr. 18719 din data de 21.06.2022, *„Cercetări privind optimizarea stocurilor şi determinarea preţului psihologic a unor produse noi.", valoare 27500 lei.*	5,55

2.5.2 Membru în echipă

Internaţionale		Punctaj
1.	Membru in Contract de finanţare pentru proiecte de cooperare în învăţământul universitar- Contract numărul: 21-COP-0019 - "European network for 3D printing of biomimetic mechatronic systems" - EMERALD (2022-2023) finanţat prin Granturile SEE - Spaţiul Economic European, director de proiect Conf.dr.ing. Razvan Pacurar, (buget total proiect - 198.810 EUR / din care buget UTCN: 57.774 EUR).	8
2	Membru in proiectul H2020, contract nr. GA 691787, *Boosting the scientific excellence and innovation capacity in Additive Manufacturing of the TUC-N (AMaTUC)*, perioada: 2016-2018, valoare contract 501.495 euro, Director proiect: Prof.dr.ing. Bâlc Nicolae, http://www.amatuc.com/	12
3.	Membru in proiectul „3D and Virtual Reality Technologies for VET" - 3D4VET – www.3d4vr.eu – Project Reference: 2019-1-HR01-KA202-061006 – „Cooperation for innovation and the exchange of good practices", Action type: Strategic Partnerships for vocational education and training" (2020-2022), responsabil UTCN Conf.dr.ing. Razvan Pacurar, buget UTCN: 18.700 EUR.	8
Naţionale		

4.	Asistent Manager, în proiectul instituțional național privind învățământul secundar MEN-UMPFE/29/SGU/NC/I/17.10.2017, *Susținerea accesului la o cariera in inginerie a studenților in situații de risc de la Facultatea Construcții de Mașini* (ACCESTEHNIC)" – ROSE, contract nr. 40997/09.11.2017, perioada: 2017-2020, Director proiect: Prof.dr.ing.ec. Bacali Laura	8
5.	Asistent cercetare in Biomapim Contract de tip IDEI nr.5/2010 cu titlul „Noi materiale biocompatibile destinate implanturilor personalizate fabricate prin SLS şi SLM- BIOMAPIM" – Director proiect: Prof. Petru Berce, perioada 2010-2013, valoare 3.676.114, 11 lei ;	8
6.	Membru in Contract de tip BRIDGE, cu nr.99/2016, cu titlul "Dezvoltarea posibilitătilor de prelucrare a materialelor compozite avansate prin tăiere de precizie cu jet de apă", director proiect, Popan Alexandru, perioada 2016-2018, valoare 460.000 lei;	4
7.	Membru in "Boosting the scientific excellence and innovation capacity of 3D printing methods in pandemic period" - BRIGHT Project Reference: 2020-1-RO01-KA226-HE-095517, "Cooperation for innovation and the exchange of good practices", Action type: Strategic Partnerships for Digital Education Readiness" (2021-2023), director de proiect Conf.dr.ing. Razvan Pacurar (buget total 187.500 EUR / buget UTCN: 32.367 EUR).	6
8.	Membru in Contractul CNFIS-FDI-2019-0546, „Imbunătățirea capacității atelierului mecanic al UTCN pentru desfășurarea stagiilor de practică ale studenților", director de proiect Prof.dr.ing. Cornel Ciupan, iunie-decembrie 2019	2
9.	Membru in Contractul CNFIS-FDI-2020-0573, „Realizarea unor standuri si produse pentru practica studentilor in atelierul mecanic al UTCN", director de proiect Prof.dr.ing. Cornel Ciupan, iunie-decembrie 2020	2
10.	Membru in Contractul CNFIS-FDI-2021-0249, „Echipamente tehnologice pentru practica studenților în cadrul Atelierului mecanic al Universității Tehnice din Cluj-Napoca", director de proiect Prof.dr.ing. Cornel Ciupan, iunie-decembrie 2021	2
11.	Membru in Contractul CNFIS-FDI-2021-0198, „Echipamente tehnologice, scule și dispozitive pentru practica studenților în cadrul Atelierului mecanic al Universității Tehnice din Cluj-Napoca", director de proiect Prof.dr.ing. Cornel Ciupan, iunie-decembrie 2022	2
12	Membru in Proiect CNFIS-FDI-2023-F-0285, „Echipamente tehnologice, scule și dispozitive pentru practica studenților în atelierul mecanic al Universității Tehnice ,din Cluj-Napoca", director de proiect Prof.dr.ing. Cornel Ciupan, iunie-decembrie 2023	2
	Total puncte 2.5.2	**64**

2.6 Coordonare / dezvoltare laborator / centru de cercetare

1	Dezvoltare laborator Logistica Sistemelor de Fabricatie	40
	Total puncte 2.6	**40**

Total A2. Activitate de cercetare: 375,668 puncte

A3. Recunoașterea și impactul activității

3.1 Vizibilitate în baze de date internaționale

3.1.1 Citări în articole indexate ISI

Articol citat
R. Păcurar, P. Berce, A.Petrilak, O.Nemeş, **C. Ş. Miron Borzan**, M. Harničárová, A. Păcurar, Selective Laser Sintering of PA 2200 for Hip Implant Applications: Finite Element Analysis,

Process Optimization, and Morphological and Mechanical Characterization, Materials, Vol 14, Issue 15, pp 4240, **https://doi.org/10.3390/ma14154240** ISI Q2, IF: 3.623		
Articole care citează		**Punctaj**
1	Zárybnická, L.; Petrů, J.; Krpec, P.; Pagáč, M. Effect of Additives and Print Orientation on the Properties of Laser Sintering-Printed Polyamide 12 Components. *Polymers* **2022**, *14*,1172. https://doi.org/10.3390/polym14061172	1,429
2	Mamo, H.B., Adamiak, M. and Kunwar, A., 2023. 3D printed biomedical devices and their applications: A review on state-of-the-art technologies, existing challenges, and future perspectives. Journal of the Mechanical Behavior of Biomedical Materials, p.105930.	1,429
3	Badkoobeh, F., Mostaan, H., Rafiei, M., Bakhsheshi-Rad, H.R., RamaKrishna, S. and Chen, X., 2023. Additive manufacturing of biodegradable magnesium-based materials: Design strategies, properties, and biomedical applications. Journal of Magnesium and Alloys.	1,429
4	Asad, M. and Sana, M., 2023. Potential of titanium based alloys in the biomedical sector and their surface modification techniques: A review. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, p.09544062231164506.	1,429
5	Guo, J., Low, J.H., Liu, J., Li, Y., Liu, Z. and Yeow, C.H., 2022. Three-Dimensional Printable Ball Joints with Variable Stiffness for Robotic Applications Based on Soft Pneumatic Elastomer Actuators. Polymers, 14(17), p.3542.	1,429

Articol citat M. Harničárová, J. Valíček, M. Kušnerová, Z. Palková, I. Kopal, **C. Borzan**, M. Kadnár and S. Paulovič, A New Method of Predicting the Structural and Mechanical Change of Materials during Extrusion by the Method of Multiple Plastic Deformations, Materials 2021, Vol 14, Issue 10, 2594, ISSN 1996-1944, , ISI Q2, IF: 3.057.		
Articole care citează		**Punctaj**
1	Harničárová M, Valíček J, Kušnerová M, et al. Structural and Mechanical Changes of AlMgSi0.5 Alloy during Extrusion by ECAP Method. Materials (Basel). 2022;15(6):2020. Published 2022 Mar 9. doi:10.3390/ma15062020	1,25

Articol citat Emilia Sabău, Răzvan Udroiu, Paul Bere, Ivan Buranský, **Cristina-Ştefana Miron-Borzan**, A Novel Polymer Concrete Composite with GFRP Waste: Applications, Morphology, and Porosity Characterization, Appl. Sci.-Basel 10(6):2060, **2020,** Special Issue Progressive Cement and Glass-Based Composites and Structures, ISSN 2076-3417, DOI: 10.3390/app10062060, WOS:000529252800161, ISI Q2, IF 2,474, **citat in:**		
Articole care citează		**Punctaj**
1	Mahmood, M.A., Ur Rehman, A., Lungu, M., Pitir, F., Salamci, M.U., Ristoscu, C., Tiseanu, I. and Mihailescu, I.N., Laser additive manufacturing of Co-Cr alloy and the induced defects thereof, International Journal of Advanced Manufacturing Technology, Vol 121, Issue 1-2, 2022, Page1385-1400, DOI10.1007/s00170-022-09395-7	2
2	Gołek ŁP, Szudek W, Malik M. The Effect of the Type of Activator Anion on the Hydration of Ground Granulated Blast Furnace Slag. Materials (Basel). 2022 Apr 12;15(8):2835. doi: 10.3390/ma15082835.	2
3	Trolli, A., Casaccia, S., Pandarese, G., & Revel, G. M. (2021, June). Characterization of porosity and defects on composite materials using X-	2

	ray computed tomography and image processing. In 2021 IEEE 8th International Workshop on Metrology for AeroSpace (MetroAeroSpace) (pp. 479-484). IEEE. DOI10.1109/METROAEROSPACE51421.2021.9511763	
4	Salas, M. A., Pérez-Acebo, H., Calderón, V., & Gonzalo-Orden, H. (2020). Analysis and Economic Evaluation of the Use of Recycled Polyamide Powder in Masonry Mortars. Polymers, 12(11), 2657. DOI10.3390/polym12112657	2
5	Miturska-Barańska I, Józwik J, Bere P. Effect of Face Milling Parameters of Carbon Fiber Reinforced Plastics Composites on Surface Properties. Advances in Science and Technology Research Journal. 2022;16(2):26-38. doi:10.12913/22998624/146376.	2
6	Razvan Udroiu, Cristian Ion Braga, System Performance and Process Capability in Additive Manufacturing: Quality Control for Polymer Jetting, Polymers 12(6):1292, June 2020, DOI: 10.3390/polym12061292	2
7	Kek, T., Potočnik, P., Misson, M., Bergant, Z., Sorgente, M., Govekar, E. and Šturm, R., 2022. Characterization of Biocomposites and Glass Fiber Epoxy Composites Based on Acoustic Emission Signals, Deep Feature Extraction, and Machine Learning. *Sensors*, *22*(18), p.6886.	2
8	Sima, A., Lungu, M., Ionescu, A.M., Badica, P., Zani, L. and Tiseanu, I., 2022. X-ray tomography assessment of the heat treatment effect on Nb3Sn wires with different architectures. Materials Characterization, 193, p.112316.	2
9	Niaki, M.H. and Ahangari, M.G., 2022. Polymer Concretes: Advanced Construction Materials. CRC Press, Routledge Taylor&Francisc Group	2

Articol citat

C. Buciuman, L. Hancu, C. Vilau, **C. S. Miron Borzan**, Research Regarding Design and Material for an Electrical Car Charger Shell, MATERIALE PLASTICE, 56, No. 3, 2019, pp. 488-491, WOS:000487764000004, ISI Q4, IF: 1.517 (2019).

Articole care citează		**Punctaj**
1	Zgaverdea, A. C., & Ratiu, S. A. (2021). "Green Carbon" from Algae for Automotive Applications. MATERIALE PLASTICE, 58(1), 186-200, DOI10.37358/MP.21.1.5458	2,5
2	Liu, Y., Bao, W., & Zhao, X. (2020). Discussion on the Tensile and Bending Properties of PAN-based Pre-oxidised Fibre Felt Composite Materials. Fibres & Textiles in Eastern Europe, DOI 10.5604/01.3001.0013.7315	2,5
3	Rațiu, S. A., & Zgaverdea, A. C. (2019). The potential of using bio plastic materials in automotive applications. *Materiale Plastice*, *56*(4), 901, WOS:000509920700031	2,5

Articol citat

J. Kmec, M.Harničárová, **C. Borzan**, M. Borzan, J.Valíček, J. Kříž, M. Kušnerová, Proposal for a method of measurement and control of surface quality in the course of abrasive waterjet cutting of material, MATEC Web of Conferences, Vol. 299, Modern Technologies in Manufacturing (MTeM 2019), Pages 02003, 2019 https://doi.org/10.1051/matecconf/201929902003 ISI Proceedings.

Articole care citează		**Punctaj**
1	Sudnik, L. V., Galinovskii, A. L., Kobernik, N. V., Kravchenko, I. N., Vyshegorodtseva, A. S., Baranova, N. S., & Borovik, T. N. (2021). Diagnostics of the Surface Layer of Materials by an Abrasive-Liquid Ultrajet. *Russian Metallurgy (Metally)*, *2021*(13), 1725-1730 DOI10.1134/S0036029521130292	1,429

2	Barzov, A. A., Galinovsky, A. L., Vyshegorodtseva, A. S., & Kobernik, N. V. (2021, February). The development of a new method for the materials abrasion resistance diagnostics. In AIP Conference Proceedings (Vol. 2318, No. 1, p. 150008). AIP Publishing LLC, DOI10.1063/5.0038683	1,429
3	Kobernik, N. V., Orlik, A. G., Galinovskii, A. L., & Petrova, V. V. (2021, February). Express method for assessing the resistance of materials to hydro-abrasive. In AIP Conference Proceedings (Vol. 2318, No. 1, p. 150010). AIP Publishing LLC, DOI10.1063/5.0036158	1,429

Articol citat

M. Mera, **C. Miron-Borzan**, Research regarding a method for determining the parameters value of modifying spur gears teeth profile in longitudinal plane, Acta Technica Napocensis Series-Applied mathematics mechanics and engineering, Vol. 61, Issue 2, p. 175-180, 2018 WOS:000437045000004 ISI

Articole care citează		**Punctaj**
1	Moldovan, C., Cosma, C., Milodin, N. L., Teusan, C., Berce, P., & Nicolae, B. A. L. C. (2021). Finite Element Analyses Of 3d Printed Composite Robot Component. Acta Technica Napocensis-Series: Applied Mathematics, Mechanics, And Engineering, 64(1), WOS:000694719400017	5

Articol citat

C. Cosma, N. Balc, M. Moldovan, L. Morovic, P. Gogola, **C. Miron-Borzan**, Post-processing of customized implants made by laser beam melting from pure Titanium, Journal of Optoelectronics and Advanced Materials Vol. 19, No. 11 - 12, November – December 2017, p. 738 – 747, ISSN: PRINT: 1454 – 4164, ON-LINE: 1841 – 7132, ISI Q4, IF: 0.45 (2017).

Articole care citează		**Punctaj**
1	Varga, G., Dezső, G., & Szigeti, F. (2022). Surface Roughness Improvement by Sliding Friction Burnishing of Parts Produced by Selective Laser Melting of Ti6Al4V Titanium Alloy. Machines, 10(5), 400, DOI10.3390/machines10050400	1,667
2	Elhattab, K., Hefzy, M. S., Hanf, Z., Crosby, B., Enders, A., Smiczek, T., ... & Elahinia, M. (2021). Biomechanics of additively manufactured metallic scaffolds—a review. Materials, 14(22), 6833, DOI10.3390/ma14226833	1,667
3	Ostas, D., Hedesiu, M., Roman, C. R., Cosma, C., Ciurea, M., & Rotaru, H. (2021). Design Workflow for Mandibular Reconstruction. Opportunities and Limitations of In-house Virtual Surgical Planning. Journal of Medical and Biological Engineering, 41(4), 482-493, DOI10.1007/s40846-021-00633-z	1,667
4	Armencea, G., Cosma, C., Dinu, C., Onisor, F., Lazar, M., Berce, P., ... & Bran, S. (2020). Technical queries of a 3D design custom-made implant made from titanium particles for maxillofacial bone reconstruction. Particulate Science and Technology, 38(6), 676-684, DOI10.1080/02726351.2019.1578846	1,667
5	Birleanu, C., Pustan, M., Cosma, C., Merie, V., & Dranda, O. (2020). Tribological behaviour of sealing materials. In IOP Conference Series: Materials Science and Engineering (Vol. 724, No. 1, p. 012017). IOP Publishing, DOI10.1088/1757-899X/724/1/012017	1,667
6	Jiman, P., Moldovan, M., Sarosi, C., Muntean, A., Pop, A. S., Tarmure, V., ... & Mohan, A. G. (2020). Surface characterization and cytotoxicity analysis of the titanium alloys for dentistry. *Stud. Univ. Babes-Bolyai Chem*, *65*, 149-162, DOI10.24193/subbchem.2020.1.12	1,667
7	Selagea, M., Moraru, E., Besnea, D., Udrea, R., & Lungu, B. (2019). Some technological aspects regarding laser ablation of oxides resulting from exposing alloyed steels to high temperatures. Optoelectronics and	1,667

	Advanced Materials-Rapid Communications, 13(September-October 2019), 539-545, WOS:000510423200009	
8	Molnar, I., Michal, D., Simon, S., Morovic, L., & Kostal, P. (2019). Design and manufacture of life size human model using material extrusion and vat photopolymerization additive processes. In MATEC Web of Conferences (Vol. 299, p. 01010). EDP Sciences, DOI10.1051/matecconf/201929901010	1,667
9	Pascalau, D., Marinca, T. F., Buduru, S., & MESAROS, A. S. (2018). Optic changes due to innovative experimental formulations for bleaching non-vital teeth. In vitro stu. *Optoelectronics and Advanced Materials-Rapid Communications*, *12* (November-December 2018), 764-770, WOS:000456138400023	1,667
10	Tolea, F., & Sofronie, M. (2018). Martensitic transformation and related properties of Fe69. 4Pd30. 6 ferromagnetic shape memory ribbons. Journal of Optoelectronics and Advanced Materials, 20(November-December 2018), 701-706, WOS:000454619400020	1,667
11	MOLDOVAN, C., COSMA, C., BERCE, P., & Nicolae, BALC. (2018). Theoretical analysis and practical case studies of SLA, Polyjet and FDM manufacturing techniques. Acta Technica Napocensis-Series: Applied Mathematics, Mechanics, and Engineering, 61(3), WOS:000468025900015	1,667
12	Moraru, E., Dontu, O., Petre, A., Vaireanu, D., Constantinescu, F., & Besnea, D. (2018). Some technological particularities on the execution of dental prostheses realized by selective laser deposition. *Journal of Optoelectronics and Advanced Materials*, *20*(3-4), 208-213, WOS:000435669100018	1,667
13	Molnár, I., & Morovič, L. (2018, November). Design and manufacture of orthopedic corset using 3D digitization and additive manufacturing. In IOP Conference Series: Materials Science and Engineering (Vol. 448, No. 1, p. 012058). IOP Publishing, DOI10.1088/1757-899X/448/1/012058	1,667
14	Verma, V. K.; Kamble, S. S.; Ganapathy, L. 3D-printed medical models supply chain: barriers modeling and analysis. *Rapid Prototyping Journal*, 2022.	1,667
15	Varga, G.; Dezső, G.; Szigeti, F. Shape Accuracy Improvement in Selective Laser-Melted Ti6Al4V Cylindrical Parts by Sliding Friction Diamond Burnishing. *Machines* **2022**, *10*, 949. https://doi.org/10.3390/machines10100949	1,667
16	Dezső, G., Szigeti, F. and Varga, G., 2022. Surface Hardness Modification of Selective Laser Melted Ti6Al4V Parts by Sliding Friction Diamond Burnishing. *Periodica Polytechnica Mechanical Engineering*.	1,667
17	Robinson, D.L., Bucknill, A., Ferragina, A., Campbell, C. and Lee, P.V.S., 2023. Fixation of pelvic acetabular fractures using 3D-printed fracture plates: a cadaver study. *Journal of Orthopaedic Surgery and Research*, *18*(1), p.360.	1,667
18	Kanagalingam, S., Dalton, C., Champneys, P., Boutefnouchet, T., Fernandez-Vicente, M., Shepherd, D.E., Wimpenny, D. and Thomas-Seale, L.E., 2023. Detailed design for additive manufacturing and post processing of generatively designed high tibial osteotomy fixation plates. Progress in Additive Manufacturing, 8(3), pp.409-426.	1,667
19	Cosma, C., Moldovan, C., Campbell, I., Cosma, A. and Nicolae, B.A.L.C., 2018. Theoretical analysis and practical case studies of powder-based additive manufacturing. *ACTA TECHNICA NAPOCENSIS-Series: APPLIED MATHEMATICS, MECHANICS, and ENGINEERING*, *61*(3).	1,667
20	Tica, D., Cosma, S.C., Bodur, O., Durakbasa, N.M., Grozav, S., Ceclan, V., Rehor, J., Sterca, D.A. and Walcher, E.M., 2022, October. Effects of Drag Finishing on a SLM-Manufactured Titanium Reconstruction Plate. In *The International Symposium for Production Research* (pp. 462-472). Cham: Springer International Publishing.	1,667

Articol citat **C. S. Miron-Borzan**, M.C. Dudescu, P. Berce, Bending and compression tests for PA 2200 parts obtained using Selective Laser Sintering method, The 4th International Conference on Computing and Solutions in Manufacturing Engineering 2016 – CoSME'16, MATEC Web Conf., Volume 94, 2017, DOI: 10.1051/matecconf/20179403010		
Articole care citează		**Punctaj**
1	Yang, J., Chen, X., Sun, Y., Zhang, J., Feng, C., Wang, Y., ... & Bai, L. (2022). Compressive properties of bidirectionally graded lattice structures. Materials & Design, 218, 110683, DOI 10.1016/j.matdes.2022.110683	3,333
2	Baba, M. N. (2022). Flatwise to Upright Build Orientations under Three-Point Bending Test of Nylon 12 (PA12) Additively Manufactured by SLS. Polymers, 14(5), 1026, DOI 10.3390/polym14051026	3,333
3	Garcia-Cardosa, M., Granados-Ortiz, F. J., & Ortega-Casanova, J. (2021). A Review on Additive Manufacturing of Micromixing Devices. Micromachines, 13(1), 73, DOI 10.3390/mi13010073	3,333
4	Shekarchizadeh, N., Laudato, M., Manzari, L., Abali, B. E., Giorgio, I., & Bersani, A. M. (2021). Parameter identification of a second-gradient model for the description of pantographic structures in dynamic regime. Zeitschrift für angewandte Mathematik und Physik, 72(6), 1-24, DOI 10.1007/s00033-021-01620-9	3,333
5	Stoia, D. I., Vigaru, C., Opris, C., & Vasilescu, M. (2021). Properties and Medical Applications of Biocompatible Polyamide in Additive Manufacturing. MATERIALE PLASTICE, 58(1), 113-120, DOI 10.37358/Mat.Plast.1964	3,333
6	Bai, L., Gong, C., Chen, X., Sun, Y., Xin, L., Pu, H., ... & Luo, J. (2020). Mechanical properties and energy absorption capabilities of functionally graded lattice structures: Experiments and simulations. International Journal of Mechanical Sciences, 182, 105735, DOI 10.1016/j.ijmecsci.2020.105735	3,333
7	Stoia, D. I., Marsavina, L., & Linul, E. (2020). Mode I fracture toughness of polyamide and alumide samples obtained by Selective Laser Sintering additive process. Polymers, 12(3), 640, DOI 10.3390/polym12030640	3,333
8	Bai, L., Gong, C., Chen, X., Sun, Y., Zhang, J., Cai, L., ... & Xie, S. Q. (2019). Additive manufacturing of customized metallic orthopedic implants: Materials, structures, and surface modifications. Metals, 9(9), 1004, DOI 10.3390/met9091004	3,333
9	Stoia, D. I., Linul, E., & Marsavina, L. (2019). Influence of manufacturing parameters on mechanical properties of porous materials by selective laser sintering. Materials, 12(6), 871, DOI 10.3390/ma12060871	3,333
10	Savinykh, A.S., Garkushin, G.V., Razorenov, S.V., Atroshenko, S.A., Klimova-Korsmik, O.G. and Kislov, N.G., 2022. Strength Properties of the Heat-Resistant Inconel 718 Superalloy Additively Manufactured by Direct Laser Deposition Method under Shock Compression. Metals, 12(6), p.967, DOI 10.3390/met12060967	3,333
11	Dudescu, C., Botean, A., Hărdău, M. and Bal, N., 2014. Measurement of thermoplastics tensile proprieties using digital image correlation. In Key Engineering Materials (Vol. 601, pp. 33-36). Trans Tech Publications Ltd. DOI 10.4028/www.scientific.net/KEM.601.33	3,333

Articol citat **C. Ş. Miron-Borzan**, M. C. Dudescu, V.Ceclan, A. Trif, Ridzon M., P. Berce, PA 2200 vs. PMMA: Comparison between the mechanical proprieties obtained for the 2 biocompatible materials, Revista de Materiale Plastice, Vol 53, no. 1, 2016, WOS:000351194900010 ISI Q4, IF: 0.903	
Articole care citează	**Punctaj**

1	Filip, A., Badulescu, O. V., Sirbu, P. D., Veliceasa, B., Puha, B., Pascal, I. A., ... & Alexa, O. (2019). Preliminary investigation on mechanical properties of polymer coating screws for the future fragility fracture fixation. Materiale Plastice, 56(3), 559, WOS:000487764000018	1,667
2	Turcin, I., Abdallah, A., Cosma, C., Thiebet, T., Zavec, D., & Balc, N. (2019). Sweat glands module with integrated sensors designed for Additive Manufacturing. In MATEC Web of Conferences (Vol. 299, p. 01011). EDP Sciences, DOI 10.1051/matecconf/201929901011	1,667
3	Cosma, C., Moldovan, C., Campbell, I., Cosma, A., & Nicolae, Balc. (2018). Theoretical Analysis And Practical Case Studies Of Powder-Based Additive Manufacturing. Acta Technica Napocensis-Series: Applied Mathematics, Mechanics, And Engineering, 61(3), WOS:000468025900012	1,667
4	Moldovan, C., Cosma, C., Berce, P., & Nicolae, B. A. L. C. (2018). Theoretical Analysis And Practical Case Studies Of Sla, Polyjet And Fdm Manufacturing Techniques. Acta Technica Napocensis-Series: Applied Mathematics, Mechanics, And Engineering, 61(3), WOS:000468025900015	1,667
5	Pacurar, R., Pacurar, A., & Pop, S. (2018). Designing of an innovative extrusion system for metallic parts made by desktop 3D printing method. In MATEC Web of Conferences (Vol. 178, p. 02009). EDP Sciences, DOI 10.1051/matecconf/201817802009	1,667
6	Andreescu, C. F., Ghergic, D. L., Botoaca, O., Barbu, H. M., Cernusca Mitariu, I. S., & Patroi, D. N. (2017). The advantages of high-density polymer CAD/CAM interim restorations in oral implantology. Mat. Plast, 54, 32, WOS:000400629900007	1,667
7	Păcurar, R., Păcurar, A., & Petrilak, A. (2017). Finite Element Analysis to determine the optimum contact pressure between the components of a hip implant made by using the Selective Laser Sintering and the Selective Laser Melting Technologies. In MATEC Web of Conferences (Vol. 137, p. 02010). EDP Sciences, DOI10.1051/matecconf/201713702010	1,667
8	Păcurar, R., Păcurar, A., & Petrilak, A. (2017). The influence of build orientation on the mechanical properties of medical implants made from PA 2200 by Selective Laser Sintering. In MATEC Web of Conferences (Vol. 112, p. 03009). EDP Sciences, DOI10.1051/matecconf/201711203009	1,667
9	Maries, G. R. E., Chira, D., Novac, O., Sirghie, C., Chambre, D. R., & Tomescu, D. (2016). The Influence of the Processing Temperature by Injection and of Subsequent Pressure on Some Mechanical Properties of HDPE, PMMA, PC plus FABS, Through Methods of Determining the Flexural Properties. Materiale Plastice, 53(3), 458-464, WOS:000384870300025	1,667
10	Manu, I.D., 2022. Internal Pressure Test on HDPE Pipe Ring. MATERIALE PLASTICE, 59(3), pp.21-30.	1,667

Articol citat

Miron-Borzan C.Ș., M. C. Dudescu, Khalid Abd Elghany, V. Ceclan, P. Berce, Analysis of mechanical proprieties of selective laser sintered polyamide parts obtained on different SLS equipment, Revista de Materiale Plastice, Vol. 52, no. 1, March, 2015, ISSN 0025-5289, WOS:000373966500001, ISI Q4, IF: 0.903

Articole care citează		**Punctaj**
1	Doicin, C. V., Ulmeanu, M. E., Neagu, C., & Popa, L. (2016). Designing and prototyping a bespoke spinal implant using additive technologies. Materiale Plastice, 53(1), 139-143, WOS:000373966500032	2
2	Dudescu, C., Botean, A., Hărdău, M. and Bal, N., 2014. Measurement of thermoplastics tensile proprieties using digital image correlation. In Key Engineering Materials (Vol. 601, pp. 33-36). Trans Tech Publications Ltd., DOI 10.4028/www.scientific.net/KEM.601.33	2

Articol citat Ceclan VA, Bere P, Borzan M, Grozav S, **Borzan C**, Development of Environmental Technology for Carbon Fibre Reinforced Materials Recycling, MATERIALE PLASTICE, Volume: 50, Issue: 2, JUN 2013, Pages: 79-83, WOS:000320842600002 ISI Q4, IF: 0.463.		
Articole care citează		**Punctaj**
1	Farsane, M., Anouar, A., Chah, S., & Bouzziri, M. (2020). Characterization Of Ceramic Waste Filled Unsaturated Polyester Resin. MATERIALE PLASTICE, 57(3), 52-60, DOI 10.37358/MP.20.3.5379	2
2	Gabrian, S. S., Grozav, S. D., Ciuşcă, G. N., Ceclan, V. A., Turcu, A., & Legutko, S. (2019). New Materials Obtained By Rubber Recycling From Industrial Waste. In Matec Web Of Conferences (Vol. 299, P. 05010). Edp Sciences, DOI 10.1051/matecconf/201929905010	2
3	Popescu, A., Hancu, L., & Sabau, E. (2018). Effect Of Temperature On The Mechanical Properties Of Extrusion Glass Fiber Reinforced Polyamide 6.6 Composites (GFRPA 6.6). Acta Technica Napocensis-Series: Applied Mathematics, Mechanics, And Engineering, 61(2), WOS:000437045000009	2
4	Bejan, A., Peptanariu, D., Chiricuta, B., Bicu, E., & Belei, D. (2017). Low Molecular Weight Microfibers with Light Sensing Properties. MATERIALE PLASTICE, 54(4), 655, WOS:000426412500013	2
5	Stancek, J, Kuric, I, Uricek, J, Bulej, V, The Design Of The Battery Swapping Station, 2016 International Conference On Production Research - Regional Conference Africa, Europe And The Middle East (Icpr-Aem 2016) And 4th International Conference On Quality And Innovation In Engineering And Management (Qiem 2016), Page 255-259, WOS:000436122900044	2
6	Solcan, S., Stefan, Bodi, Comes, R., Rozsos, R.S., Neamțu, C. And Cocean, C., 2021. Design and ergonomic analysis of car doors made from composite materials. Acta Technica Napocensis-Series: Applied Mathematics, Mechanics, And Engineering, 64(1).	2

Articol citat Ceclan VA, Balc N, Grozav S, Bere P, **Borzan CS**, Quality of the hydroformed tubular parts, Conference on Interdisciplinary Research in Engineering Steps towards Breakthrough Innovation for Sustainable Development (INTERIN 2013), Advanced Engineering Forum, Volume: 8-9, 2013, Pag. 215-224, DOI: 10.4028/www.scientific.net/AEF.8-9.215, WOS:000323184000024 ISI Proceedings., **citat in:**		
Articole care citează		**Punctaj**
1	Ridzon, M., Mojzis, M., Bella, P., Parilak, L., Kan, M., & Buransky, I. (2019). Validation of results of two different reductions for precision seamless cold drawn tubes. Metalurgija, 58(3-4), 319-322, WOS:000485124000036	2
2	Gabrian, S. S., Grozav, S. D., Ciuşcă, G. N., Ceclan, V. A., Turcu, A., & Legutko, S. (2019). New Materials Obtained By Rubber Recycling From Industrial Waste. In Matec Web Of Conferences (Vol. 299, P. 05010). Edp Sciences, DOI 10.1051/matecconf/201929905010	2
3	Monkova, K., Monka, P. P., Tkáč, J., Hricova, R., & Manduľák, D. (2019). Effect of the Weight reduction of a Gear Wheel on Modal Characteristics. Modern Technologies in Manufacturing (MTEM 2019), DOI 10.1051/matecconf/201929903002	2
4	Morovič, L., Urminský, J., & Ridzoň, M. (2019). Shape distortion analysis of drawing die by optical 3D scanning. In MATEC Web of Conferences (Vol. 299, p. 05007). EDP Sciences, DOI 10.1051/matecconf/201929905007	2
5	Ceclan, V., & Grozav, S. (2018). Determination of the force required for the hydroforming of al 99, 5. In MATEC web of conferences (Vol. 244, p. 01003). EDP Sciences, DOI 10.1051/matecconf/201824401003	2

6	Mojzis, M., Ridzon, M., Bilik, J., & Parilak, L. The Geometrystability Of The Multi Rifled Tubes By The Production, METAL 2017: 26th International Conference On Metallurgy And Materials, Page 351-356, 2017, WOS:000434346900051	2
7	Stancek, J, Kuric, I, Uricek, J, Bulej, V, The Design Of The Battery Swapping Station, 2016 International Conference On Production Research - Regional Conference Africa, Europe And The Middle East (Icpr-Aem 2016) And 4th International Conference On Quality And Innovation In Engineering And Management (Qiem 2016), Page 255-259, WOS:000436122900044	2

Articol citat
Ceclan V., Grozav S., Sabău E., Popan A., **Borzan C.**, Structural analysis of tubes hydroforming, Academic Journal of Manufacturing Engineering - AJME, vol. 11, ISSUE 3 / **2013**, pp. 56-59, ISSN: 1583-7904, **citat in:**

Articole care citează		**Punctaj**
1	Ladislav Morovič, Ján Urminský, Martin Ridzoň, Shape distortion analysis of drawing die by optical 3D scanning, MATEC Web Conf. Volume 299, 2019.	2
2	Vasile Ceclan, Sorin Grozav, Determination of the force required for the hydroforming of al 99,5, MATEC Web Conf, Volume 244, 2018.	2
3	Ceclan, V. A. Grozav, S. D. Kuric, I., Research on inner surface of hydroformed tubes, Advances in Science and Technology Research Journal, Vol. 11, no 4, pp. 311-317, 2017.	2

Articol citat
Borzan C.S., Berce P., Chezan H., Sabau E., Radu S.A., Ridzon M., Physico-mechanical properties characterization of the parts from PA 2200 manufactured by selective laser sintering technology, Academic Journal of Manufacturing Engineering - AJME, vol. 11, ISSUE 4 / **2013**, pp. 108-113, ISSN: 1583-7904, **citat in:**

Articole care citează		**Punctaj**
1	Henrique Schappo, Lya Piaia, Dachamir Hotza, Gean Vitor Salmoria, Selective Laser Sintering of Biomaterials and Composites State of the Art and Perspectives, Materials Science Forum (Volume 1012), pp. 278-283, 2020.	1,667
2	S. Terekhina, T. Tarasova, S. Egorov, L. Guillaumat, M. L. Hattali, On the difference in material structure and fatigue properties of polyamide specimens produced by fused filament fabrication and selective laser sintering, International Journal of Advanced Manufacturing Technology pp. 93-107, 111(1-2):1-15, 2020, DOI: 10.1007/s00170-020-06026-x	1,667
3	Dan Ioan Stoia, Emanoil Linul, Liviu Marsavina, Influence of manufacturing parameters on mechanical properties of porous materials by selective laser sintering, Materials 2019, 12(6), 871.	1,667
4	Ivan Molnár, Ladislav Morovič, Daynier Rolando Delgado Sobrino, Šimon Lecký, Dávid Michal, Medical applications of biomaterials: the case of design and manufacture of orthopedic corsets made of polylactic acid by additive manufacturing, Materials Science Forum (Volume 952), pp. 223-232, 2019.	1,667
5	Răzvan Păcurar, Ancuţa Păcurar and Anna Petrilak, The influence of build orientation on the mechanical properties of medical implants made from PA 2200 by Selective Laser Sintering, MATEC Web Conf. Volume 112, 2017 21st Innovative Manufacturing Engineering & Energy International Conference – IManE&E, 2017.	1,667
6	Ján Milde, Ladislav Morovič and Jakub Blaha, Influence of the layer thickness in the Fused Deposition Modeling process on the dimensional and	1,667

	shape accuracy of the upper teeth model, MATEC Web Conf. Volume 137, 2017 Modern Technologies in Manufacturing (MTeM 2017 - AMaTUC).	
7	Fabian Neugebauer, Niels Müller, Vasily Ploshikhin, Stefan Thiel, Janick Ambrosy and Gerd Witt, Temperature effects on tensile properties of laser sintered polyamide 12, Materials Testing: Vol. 57, No. 7-8, pp. 602-608, 2015.	1,667

Articol citat

Sabău E., Popescu A., **Miron-Borzan C.Ş.**, Panc N. Mathematical regression model of unidirectional glass fibre reinforced polymer composites, Academic Journal of Manufacturing Engineering – AJME, ISSN 1583-7904, vol. 17(3), **2019** pp. 108-112, **citat in:**

Articole care citează		**Punctaj**
1	Catalin Moldovan, Cosmin Cosma, Nichita Larisa Milodin, Christina Teusan, Petru Berce, Nicolae Balc, Finite element analyses of 3D printed composite robot component, Acta Technica Napocensis – Series: Applied Mathematics, Mechanics and Engineering, Vol 64, No 1, pp. 141-152, 2021.	2,5

Articol citat

Cosma, S.C., Balc, N., Leordean, D., Moldovan, M., Dudescu, M. and **Borzan, C.**, 2015. Customized Medical Applications Of Selective Laser Melting Manufacturing, Academic Journal Of Manufacturing Engineering, 13(1), p. 24-32, ISSN 15837904, **citat in:**

Articole care citează		**Punctaj**
1	Buican, G.R., Oancea, G. and Martins, R.F., 2017. Study on SLM manufacturing of teeth used for dental tools testing. In MATEC Web of Conferences (Vol. 94, p. 03002). EDP Sciences DOI 10.1051/matecconf/20179403002	1,667
2	Ispas, A., Cosma, C., Craciun, A., Constantiniuc, M., Lascu, L., Leordean, D. and Vilau, C., 2016. Influence of Ti-Ceramic or Ti-Composite crown on stress distribution: finite element study and additive manufacturing. J. Optoelectron. Adv. Mater, 18, pp.904-912 WOS:000389728900028.	1,667
3	Dudescu, C., Botean, A., Hărdău, M. and Bal, N., 2014. Measurement of thermoplastics tensile proprieties using digital image correlation. In Key Engineering Materials (Vol. 601, pp. 33-36). Trans Tech Publications Ltd. DOI10.4028/www.scientific.net/KEM.601.33	1,667
4	Didier, P., Le Coz, G., Piotrowski, B., Bravetti, P., Laheurte, P. and Moufki, A., 2022. Post-processing of additive manufactured parts: a numerical strategy applied in maxillary implantology. Matériaux & Techniques, 110(3), p.304.	1,667

Articol citat

Ceclan, V.A., Bâlc, N., Miron, A.V., **Borzan, C.** And Popan, A., 2011. Numerical Simulation Of The Tube Bending Process And Validation Of The Results. Academic Journal Of Manufacturing Engineering, 9(3), Pages 32 – 37, ISSN 15837904, **citat in:**

Articole care citează		**Punctaj**
1	Ridzon, M., Mojzis, M., Bella, P., Parilak, L., Kan, M. and Buransky, I., 2019. Validation of results of two different reductions for precision seamless cold drawn tubes. Metalurgija, 58(3-4), pp.319-322, WOS:000485124000036.	2
2	Ceclan, V. and Grozav, S., 2018. Determination of the force required for the hydroforming of al 99, 5. In MATEC web of conferences (Vol. 244, p. 01003). EDP Sciences, DOI 10.1051/matecconf/201824401003.	2

3	Ceclan, V.A., Grozav, S.D. and Kuric, I., 2017. Research on inner surface of hydroformed tubes. Advances in Science and Technology. Research Journal, 11(4), DOI 10.12913/22998624/80900	2

Articol citat

Miron, A.V., Bâlc, N., Popan, A., **Borzan, C.Ş.** and Bere, P., 2013. Studies On Water Jet Cutting Of 2D Parts Made From Carbon Fiber Composite Materials. Academic Journal of Manufacturing Engineering, 11(2), pp. 87-92, **citat in:**

Articole care citează		**Punctaj**
1	Karataş, M.A. and Gökkaya, H., 2018. A review on machinability of carbon fiber reinforced polymer (CFRP) and glass fiber reinforced polymer (GFRP) composite materials. Defence Technology, 14(4), pp.318-326 WOS:000441009500008.	2
2	Dhanawade, A., Kumar, S. and Kalmekar, R.V., 2016. Abrasive water jet machining of carbon epoxy composite. Defence Science Journal, 66(5), p.522-528 DOI 10.14429/dsj.66.9501.	2
3	Dhanawade, A. and Kumar, S., 2019. Study on carbon epoxy composite surfaces machined by abrasive water jet machining. Journal of Composite Materials, 53(20), pp.2909-2924 DOI 10.1177/0021998318807278.	2
4	Altin Karataş, M., Motorcu, A.R. and Gökkaya, H., 2020. Optimization of machining parameters for kerf angle and roundness error in abrasive water jet drilling of CFRP composites with different fiber orientation angles. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 42(4), pp.1-27 DOI 10.1007/s40430-020-2261-2.	2
5	Karatas, M.A., Gokkaya, H. and Nalbant, M., 2019. Optimization of machining parameters for abrasive water jet drilling of carbon fiber-reinforced polymer composite material using Taguchi method. Aircraft Engineering and Aerospace Technology DOI 10.1108/AEAT-11-2018-0282.	2
6	Dhanawade, A., Kumar, P. and Kumar, S., 2020. Experimental study on abrasive water jet machining of carbon epoxy composite. Advances in Materials and Processing Technologies, 6(1), pp.40-53 DOI 10.1080/2374068X.2019.1703338.	2
7	POPAN, I.A., Contiu, G. and Campbell, I., 2017. Investigation on standoff distance influence on kerf characteristics in abrasive water jet cutting of composite materials. In MATEC Web of Conferences (Vol. 137, p. 01009). EDP Sciences, DOI 10.1051/matecconf/201713701009.	2
8	Dhanawade, A. and Kumar, S., 2018. Multi-performance optimization of abrasive water jet machining of carbon epoxy composite material WOS:000503381300007.	2
9	Bere, P. and Krolczyk, J.B., 2017. Determination of mechanical properties of carbon/epoxy plates by tensile stress test. In E3S Web of Conferences (Vol. 19, p. 03018). EDP Sciences, DOI 10.1051/e3sconf/20171903018	2
10	Altin Karataş, M., Motorcu, A.R. and Gökkaya, H., 2021. Study on delamination factor and surface roughness in abrasive water jet drilling of carbon fiber-reinforced polymer composites with different fiber orientation angles. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 43(1), pp.1-29 DOI10.1007/s40430-020-02741-4	2
11	Popan, I.A., Bâlc, N. and Popan, A.I., 2017. Preliminary study on occurrence of composite material delamination processed by abrasive water jet cutting. In MATEC Web of Conferences (Vol. 121, p. 02010). EDP Sciences.	2
12	Kumar, P. and Kant, R., 2020. Development of a predictive model for kerf taper angle in AWJM of Kevlar epoxy composite. Materials Today: Proceedings, 28, pp.1164-1169, DOI 10.1016/j.matpr.2020.01.101	2
13	Bere, P., Sabău, E., Dudescu, C., Neamtu, C. and Fărtan, M., 2019. Experimental research regarding carbon fiber/epoxy material manufactured	2

	by autoclave process. In MATEC Web of Conferences (Vol. 299, p. 06005). EDP Sciences DOI 10.1051/matecconf/201929906005 .	
14	Dahiya, A.K., Bhuyan, B.K. and Kumar, S., 2022. Perspective study of abrasive water jet machining of composites—A review. Journal of Mechanical Science and Technology, pp.1-12 DOI 10.1007/s12206-021-1220-x	2
15	Ajit, D. and Shailendra, K., 2014. Abrasive Water Jet Machining of Composites: A review. Journal of Manufacturing Engineering, 9(3), pp.136-142 DOI 10.1007/s12206-021-1220-x	2
16	Ceclan, V., Popan, A., Grozav, S. and Popan, A., 2019. Study on milling strategies influence on the quality characteristics in case of composite material. In MATEC Web of Conferences (Vol. 299, p. 04012). EDP Sciences DOI10.1051/matecconf/201929904012	2
17	Sabău, E., Vilău, C., Bere, P. and Popescu, A., 2019. Finite element simulation of delamination process in composite materials. In MATEC Web of Conferences (Vol. 299, p. 06003). EDP Sciences .	2
18	Dahiya, A.K., Bhuyan, B.K. and Kumar, S., 2022. Perspective study of abrasive water jet machining of composites—A review. Journal of Mechanical Science and Technology, 36(1), pp.213-224.	2

Articol citat

Cosma, S.C., Balc, N., Moldovan, M. and **Miron-Borzan, C.S.**, 2015. Surface treatments applied on titanium implants. Ovidius Univ. Ann. Chem, 26(1), pp.41-48, **citat in:**

Articole care citează		**Punctaj**
1	Stewart, C., Akhavan, B., Wise, S.G. and Bilek, M.M., 2019. A review of biomimetic surface functionalization for bone-integrating orthopedic implants: Mechanisms, current approaches, and future directions. Progress in Materials Science, 106, p.100588, DOI 10.1016/j.pmatsci.2019.100588	2,5
2	Linklater, D.P., Juodkazis, S. and Ivanova, E.P., 2017. Nanofabrication of mechano-bactericidal surfaces. Nanoscale, 9(43), pp.16564-16585, DOI 10.1039/c7nr05881k	2,5
3	Stewart, C.A., Akhavan, B., Santos, M., Hung, J., Hawkins, C.L., Bao, S., Wise, S.G. and Bilek, M.M., 2018. Cellular responses to radical propagation from ion-implanted plasma polymer surfaces. Applied Surface Science, 456, pp.701-710, DOI 10.1016/j.apsusc.2018.06.111	2,5
4	Varga, G., Dezső, G. and Szigeti, F., 2022. Surface Roughness Improvement by Sliding Friction Burnishing of Parts Produced by Selective Laser Melting of Ti6Al4V Titanium Alloy. Machines, 10(5), p.400, DOI 10.3390/machines10050400	2,5

Articol citat

Borzan, C.S., Moldovan, M. and Bocanet, V., 2018. Evaluation of Surface Modification of PA 2200 Parts Made by Selective Laser Sintering Process. Revista de Chimie, *69*(4), pp.886-889, **citat in:**

Articole care citează		**Punctaj**
1	Păcurar, R., Buzilă, V., Păcurar, A., Guţiu, E., Stan, S.D. and Berce, P., 2019. Research on improving the accuracy of FDM 3D printing process by using a new designed calibrating part. In MATEC Web of Conferences (Vol. 299, p. 01007). EDP Sciences DOI 10.1051/matecconf/201929901007.	3,333

Articol citat

Ceclan, V.A., Popan, I.A., Grozav, S.D., **Miron-Borzan, C.Ş.** and Kuric, I., 2015. The analyses of working parameters for a 3D complex part manufacturing by CNC machine. In

Applied Mechanics and Materials (Vol. 808, pp. 286-291). Trans Tech Publications Ltd. **citat in:**		
Articole care citează		**Punctaj**
1	Armencea, G., Cosma, C., Dinu, C., Onisor, F., Lazar, M., Berce, P., ... & Bran, S. (2020). Technical queries of a 3D design custom-made implant made from titanium particles for maxillofacial bone reconstruction. Particulate Science and Technology, 38(6), 676-684 DOI 10.1080/02726351.2019.1578846.	2
2	Panc, N., Contiu, G. and Bocanet, V., 2019. Comparative Analysis of Surface Finishing for Different Cutting Strategies of Parts Made from POM C. In Advances in Manufacturing Engineering and Materials (pp. 324-332). Springer, Cham, DOI 10.1007/978-3-319-99353-9_35.	2
3	Popan, A.I., B., Luca. and Carean, A., 2017. Experimental studies on manufacturing of the complex shapes made from copper. In MATEC Web of Conferences (Vol. 137, p. 06005). EDP Sciences, DOI 10.1051/matecconf/201713706005	2

Articol citat **Borzan, C.Ş.**, Berce, P., Leordean, V.D., Luca, A., Miron, A.V. And Morovič, L., 2013. Study Of A Tridimensional Model Of A Custom Implant In Cranio-Maxillofacial Surgery. Academic Journal Of Manufacturing Engineering, 11(2) **citat in:**		
Articole care citează		**Punctaj**
1	Molnár, I. and Morovič, L., 2018, November. Design and manufacture of orthopedic corset using 3D digitization and additive manufacturing. In IOP Conference Series: Materials Science and Engineering (Vol. 448, No. 1, p. 012058). IOP Publishing, DOI 10.1088/1757-899X/448/1/012058	1,667
2	Molnar, I., Michal, D., Simon, S., Morovic, L. and Kostal, P., 2019. Design and manufacture of life size human model using material extrusion and vat photopolymerization additive processes. In MATEC Web of Conferences (Vol. 299, p. 01010). EDP Sciences, DOI 10.1051/matecconf/201929901010.	1,667

Articol citat Mada, D.C., Gasparik, C., Moldovan, M., **Miron-Borzan, C.S.**, Irimie, A.I., Cornea, D., Dudea, D. and Campian, R.S., 2016. The effect of a natural extract-based experimental bleaching gel upon the colour and suface roughness of a composite resin–an in vitro study. Studia Universitatis Babes-Bolyai, 61(4), pp.43-52 **citat in:**		
Articole care citează		**Punctaj**
1	Voina, C., Muresan, A., Delean, A., Moldovan, A.I., Dumitrescu, L.S., Tonea, A.V. and Valeanu, M., 2019. Effect Of An Experimental Green Tea Extract Bleaching Gel On The Color Changes Of A Composite Resin. Studia Universitatis Babes-Bolyai, Chemia, 64(4) DOI 10.24193/subbchem.2019.4.07.	1,25

Articol citat **Miron-Borzan, C.Ş.**, Popan, A., Ceclan, V.A., Popescu, A. and Berce, P., 2015. Custom implants: Manufacturing principles and determination of psychological price. In Applied Mechanics and Materials (Vol. 808, pp. 169-174). Trans Tech Publications Ltd. **citat in:**		
Articole care citează		**Punctaj**
1	Milde, J., Morovič, L. and Blaha, J., 2017. Influence of the layer thickness in the Fused Deposition Modeling process on the dimensional and shape	2

	accuracy of the upper teeth model. In MATEC Web of Conferences (Vol. 137, p. 02006). EDP Sciences.	
2	Turcin, I., Abdallah, A., Pauritsch, M., Cosma, C. and Balc, N., 2020, August. Integrating electronic components into 3D printed parts to develop a digital manufacturing approach. In IFIP International Conference on Advances in Production Management Systems (pp. 138-145). Springer, Cham.	2
3	Buranský, I., Morovič, L. and Peterka, J., 2013. Application of Reverse Engineering for redesigning and manufacturing of a printer spare part. Advanced Materials Research, 690, pp.2708-2712.	2

Articol citat

Borzan, C.S., Berce, P., Miron, A.V., Hodor, A.I. and Ceclan, V.A., 2012, May. Some considerations about manufacturing of custom implants from biocompatible materials. In 13th Interntational Scientific Conference "Automation in Production Planning and Manufacturing (pp. 2-4) **citat in:**

Articole care citează		**Punctaj**
1	Buranský, I., Morovič, L. and Peterka, J., 2013. Application of Reverse Engineering for redesigning and manufacturing of a printer spare part. In Advanced Materials Research (Vol. 690, pp. 2708-2712). Trans Tech Publications Ltd.	2

Articol citat

Popescu, A., Hancu, L.L., Bere, P. and **Miron-Borzan, C.Ș.**, 2015. Experimental and Theoretic Research Regarding Extrusion Optimization for Reinforced Polyamide (PA 6.6–10% GF). In Applied Mechanics and Materials (Vol. 808, pp. 125-130). Trans Tech Publications Ltd. **citat in:**

Articole care citează		**Punctaj**
1	Sonsiri, A., Palicamin, P. and Singpommat, D., 2018. Optimal composition of mixed material for the thermoforming process. ACTA TECHNICA NAPOCENSIS-Series: APPLIED MATHEMATICS, MECHANICS, and ENGINEERING, 61(1).	2,5

Articol citat

Sabău, E., Bere, P., Moldovan, M., Petean, I. and **Miron-Borzan, C.**, 2021. Evaluation of Novel Ornamental Cladding Resistance, Comprised of GFRP Waste and Polyester Binder, within an Acid Environment. Polymers, 13(3), p.448 **citat in:**

Articole care citează		**Punctaj**
1	Iosif, C., Cuc, S., Prodan, D., Moldovan, M., Petean, I., Badea, M.E., Sava, S., Tonea, A. and Chifor, R., 2022. Effects of Acidic Environments on Dental Structures after Bracket Debonding. International Journal of Molecular Sciences, 23(24), p.15583.	2

Articol citat

Pacurar, R, Berce, P, Nemes, O, Baila, DI, Stan, DS, Oarcea, A, Popister, F, **Borzan, C**, Maricic, S, Legutko, S, Pacurar, A, Cast Iron Parts Obtained in Ceramic Molds Produced by Binder Jetting 3D Printing-Morphological and Mechanical Characterization, MATERIALS, Vol 14, Issue 16, Article Number 4502, https://doi.org/10.3390/ma14164502 , 2021, ISI Q2, IF: 3.623 **citat in:**

Articole care citează		**Punctaj**
1	Sivaswamy, V., Matinlinna, J.P., Rosa, V. and Neelakantan, P., 2022. 3D Printing—A Way Forward. In Dental Implants and Oral Microbiome	0,909

	Dysbiosis: An Interdisciplinary Perspective (pp. 75-96). Cham: Springer International Publishing.	

Articol citat A. Pacurar, R. Pacurar, B. Erőss, **C. Miron-Borzan**, Optimal Tool Path Strategies For Decreasing The Manufacturing Time Of One Thermoforming Mold, Acta Technica Napocensis-Series: Applied Mathematics, Mechanics, and Engineering, Volume 64, Issue 1, 2021 ISI Proceedings **citat in:**		
Articole care citează		**Punctaj**
1	Maricic, S., Iva, Mrsa, Păcurar, R. and Zoran, Mrsa, 2022. The 3D Printed Astronautical Probe Simulation Analyzing the Free-Fall. Acta Technica Napocensis-Series: Applied Mathematics, Mechanics, and Engineering, 65(2).	2,5

Articol citat Cristina Stefana Miron-Borzan, Emilia Sabău, Mircea Mera, Petru Berce, Research Regarding the Manufacturing through AM Technologies of an Implant for Cervical Disc Replacement, MTeM - AMaTUC, MATEC Web of Conferences, Vol. 137, 2017, DOI: 10.1051/matecconf/201713702008, **citat in:**		
Articole care citează		**Punctaj**
1	Nocheseda, C.J.C., Fazley Elahee, G.M., Santos, M.F.A. et al. On the 3D printability of one-part moisture-curable polyurethanes via direct ink writing (DIW). MRS Communications 13, 647–656 (2023). https://doi.org/10.1557/s43579-023-00407-5	2,5

Articol citat **Miron-Borzan C.,** Sabau E., Vilau C., Ceclan V., A comparative study using finite element analyses for cervical disc implants, (2020) Academic Journal of Manufacturing Engineering, 18 (2) , pp. 5-11, **citat in:**		
Articole care citează		**Punctaj**
1	Cosma, C., Teusan, C., Gogola, P., Simion, M., Gabalcova, Z., Trif, A., Berce, P. and Balc, N., 2022. Investigation of the Interface between Laser-Melted CoCr and a Stainless Steel Substrate. Metals, *12*(6), p.965.	2,5

3.1.2 Citări în articole indexate BDI

Articol citat **Borzan C.S.,** Berce P., Chezan H., Sabau E., Radu S.A., Ridzon M., Physico-mechanical properties characterization of the parts from PA 2200 manufactured by selective laser sintering technology, Academic Journal of Manufacturing Engineering - AJME, vol. 11, ISSUE 4 / 2013, pp. 108-113, ISSN: 1583-7904, **citat in:**		
Articole care citează		**Punctaj**
1	Fabian Neugebauer, Material- und Prozessmodellierung zur effizienten FEM-Berechnung der Verzugsentstehung beim Laser-Sintern von teilkristallinen Thermoplasten, zur Erlangung des akademischen Grades eines Doktors der Naturwissenschaften, 2017.	0,833
2	Ladislav, MOROVIČ; Ján, MILDE, Influence of part orientation on geometrical and dimensional accuracy in FDM method, Academic Journal of Manufacturing Engineering 15(1), pp. 24-28, 2017.	0,833
3	Ladislav, MOROVIČ; Ján, MILDE, CAD Model Created from Polygon Mesh, Applied Mechanics & Materials, Vol. 808, pp. 233-238, 2015.	0,833

4	Kozior, T., 2022. Polymer powders. In Polymers for 3D Printing (pp. 271-306). William Andrew Publishing.	0,833

Articol citat Ceclan V., Grozav S., Sabău E., Popan A., **Borzan C.**, Structural analysis of tubes hydroforming, Academic Journal of Manufacturing Engineering - AJME, vol. 11, ISSUE 3, 2013, pp. 56-59, ISSN: 1583-7904, **citat in:**		
Articole care citează		**Punctaj**
1	Ridzon, M.; Bilik, J. & Kosik, M., Effect of reducing on the mechanical properties of cold drawn tubes, 9th International DAAAM Baltic Conference "INDUSTRIAL ENGINEERING - 24-26 April 2014, Tallinn, Estonia.	1

Articol citat C. Cosma, N. Balc, M. Moldovan, L. Morovic, P. Gogola, **C. Miron-Borzan**, Post-processing of customized implants made by laser beam melting from pure Titanium, Journal of Optoelectronics and Advanced Materials Vol. 19, No. 11 - 12, November – December 2017, p. 738 – 747, ISSN: PRINT: 1454 – 4164, ON-LINE: 1841 – 7132, ISI Q4, IF: 0.45 (2017).		
Articole care citează		**Punctaj**
1	Stoia, D.I., Marsavina, L., Cosa, A. and Nicoara, A., 2021. Parameter Optimization for Biocompatible Polyamide Used in Selective Laser Sintering (SLS). In Acoustics and Vibration of Mechanical Structures—AVMS 2019 (pp. 323-329). Springer, Cham	0,833
2	Loginov, Y.N., Stepanov, S.I. and Mukanov, G.Z., 2020. Finite element simulation of cellular structure built from orthogonal cylindrical struts. In Materials Science Forum (Vol. 989, pp. 856-860). Trans Tech Publications Ltd.	0,833
3	Bernevig-Sava, M.A., Stamate, C., Lohan, N.M., Baciu, A.M., Postolache, I., Baciu, C. and Baciu, E.R., 2019, July. Considerations on the surface roughness of SLM processed metal parts and the effects of subsequent sandblasting. In IOP Conference Series: Materials Science and Engineering (Vol. 572, No. 1, p. 012071). IOP Publishing.	0,833
4	Loginov, Y.N., Stepanov, S.I. and Grekhov, S.K., 2019. Properties anisotropy of additive manufactured high-porous titanium alloy with non-equiaxial cellular structure. In Materials Science Forum (Vol. 946, pp. 984-989). Trans Tech Publications Ltd.	0,833
5	Molnár, I., Morovič, L., Delgado Sobrino, D.R., Lecký, Š. and Michal, D., 2019. Medical applications of biomaterials: The case of design and manufacture of orthopedic corsets made of polylactic acid by additive manufacturing. In Materials Science Forum (Vol. 952, pp. 223-232). Trans Tech Publications Ltd.	0,833
6	Cosma, C., Zaharia, B., Berce, P. and Balc, N., 2019. Design for additive manufacturing to produce complex metal parts. The Romanian Journal of Technical Sciences. Applied Mechanics., 64(3), pp.231-241.	0,833
7	Leordean, D., Cosma, C., Radu, A., Vilau, C., Balc, N. and Dudescu, M.C., 2022. Investigation onto the reliability of the selective laser melting process. https://doi.org/10.21203/rs.3.rs-2091430/v1	0,833
8	Birleanu, C., Pustan, M., Cosma, C., Cioaza, M. and Popa, F., 2022. Case Study: Wear Behavior of Different Seal Materials under Dry-Lubricated Conditions. In Industrial Tribology (pp. 305-319). CRC Press.	0.833
9	Katiyar, J.K., Ruggiero, A., Rao, T.V.V.L.N. and Davim, J.P. eds., 2022. Industrial Tribology: Sustainable Machinery and Industry 4.0. CRC Press.	0.833

Articol citat

C. S. Miron-Borzan, M.C. Dudescu, P. Berce, Bending and compression tests for PA 2200 parts obtained using Selective Laser Sintering method, The 4th International Conference on Computing and Solutions in Manufacturing Engineering 2016 – CoSME'16, MATEC Web Conf., Volume 94, 2017, DOI: 10.1051/matecconf/20179403010, **citat in:**

Articole care citează		**Punctaj**
1	Kumar, P., 2020. Emerging trend in manufacturing of 3D biomedical components using selective laser sintering: A review. In E3S Web of Conferences (Vol. 184, p. 01047). EDP Sciences, https://doi.org/10.1051/e3sconf/202018401047	1,667
2	Marsavina, L. and Stoia, D.I., 2020. Flexural properties of selectively sintered polyamide and Alumide. Material Design & Processing Communications, 2(1), p.e112, DOI 10.1002/mdp2.112	1,667
3	Kozior, T., 2022. Polymer powders. In Polymers for 3D Printing (pp. 271-306). William Andrew Publishing.	1,667

Articol citat

Miron-Borzan C.Ş., M. C. Dudescu, Khalid Abd Elghany, V. Ceclan, P. Berce, Analysis of mechanical proprieties of selective laser sintered polyamide parts obtained on different SLS equipment, Revista de Materiale Plastice, Vol. 52, no. 1, March, 2015, ISSN 0025-5289, WOS:000373966500001, ISI Q4, IF: 0.903, **citat in:**

Articole care citează		**Punctaj**
1	Morovič, L. and Milde, J., 2017. Influence Of Part Orientation On Geometrical And Dimensional Accuracy In FDM Method. Academic Journal Of Manufacturing Engineering, 15(1) ISSN 15837904.	1
2	Păcurar, R. and Păcurar, A., 2015. Topology Optimization of an Airplane Component to Be Made by Selective Laser Melting Technology. In Applied Mechanics and Materials (Vol. 808, pp. 181-186). Trans Tech Publications Ltd.	1
3	V. V. Khripushin, S. N. Trostyansky, N. Ya. Mokshina, I. O. Baklanov, M. S. Shcherbakova, Study of the fractional composition of powders for 3D printing based on polyamide-12 using statistical methods of dimensional ranking, Industrial laboratory. Diagnostics of materials, Vol 88, No 3, 2022, https://doi.org/10.26896/1028-6861-2022-88-3-35-40	1

Articol citat

Cosma, S.C., Balc, N., Leordean, D., Moldovan, M., Dudescu, M. and **Borzan, C.**, 2015. Customized Medical Applications Of Selective Laser Melting Manufacturing, Academic Journal Of Manufacturing Engineering, 13(1), p. 24-32, ISSN 15837904, **citat in:**

Articole care citează		**Punctaj**
1	Raznoschikov, A.S., Kochuyev, D.A., Voznesenskaya, A.A., Oparin, E.S. and Khorkov, K.S., 2020, July. Analysis of the powder material and the structure of samples obtained from an aluminum alloy by selective laser melting. In IOP Conference Series: Materials Science and Engineering (Vol. 896, No. 1, p. 012130). IOP Publishing.	0,833
2	Xiaoye, Wang., 2017. An Experimental Study of The Effect of Ultrasonic Vibration Assisted Wire Sawing on Surface Roughness of Sic Single Crystal. Academic Journal of Manufacturing Engineering, 15(4), pp. 6-12 ISSN 15837904	0,833
3	Cosma, C., Balc, N., Berce, P., Popan, A., Cosma, A. And Burde, A., 2017. Direct Manufacturing of Customized Implants from Biometals, by 3D Printing.	0,833

	Academic Journal of Manufacturing Engineering, 15(4), Pages 42 – 4, ISSN 15837904.	
4	Cosmin, C.S. and Dan, Leordean, 2015. Research on Improving the Manufacturing of Titanium Medical Implants, by SLM. Balneo Research Journal, 6(4), pp.211-216.	0,833
5	Issariyapat, A., Huang, J., Teramae, T., Kariya, S., Bahador, A., Visuttipitukul, P., Umeda, J., Alhazaa, A. and Kondoh, K., 2023. Microstructure Refinement and Strengthening Mechanisms of Additively Manufactured Ti-Zr Alloys Prepared From Pre-mixed Feedstock. Additive Manufacturing, p.103649.	0,833

Articol citat

Ceclan V.A., Bere P., Borzan M., Grozav S., **Borzan C.**, Development of environmental technology for carbon fibre reinforced materials recycling, (2013) Materiale Plastice, 50 (2) , pp. 79-83, **citat in:**

Articole care citează		**Punctaj**
1	Ciusca, G.N., Potra, T., Ceclan, V. and Grozav, S.D., 2019, August. Determination of Field Temperature for Composite Materials Using Empirical Methods. In Proceedings of the International Symposium for Production Research 2019 (pp. 416-421). Springer, Cham DOI 10.1007/978-3-030-31343-2_36.	1
2	STANČEK, J. and BULEJ, V., 2015. Design of driving system for scissor lifting mechanism. Academic journal of manufacturing engineering, 13(4), pp. 38-43	1
3	KURIC, I. and CÍSAR, M., 2015. Machine Tool Errors And Its Simulation On Experimental Device. Academic Journal of Manufacturing Engineering, 13(4), pp. 17-21.	1
4	Popan, A., Bâlc, N., Luca, B., Popan, A. and Carean, A., 2015. The Accuracy of the Plastic Parts Milling Process Executed by a Six Axes Robot. In Applied Mechanics and Materials (Vol. 808, pp. 339-344). Trans Tech Publications Ltd.	1
5	Corbu, O., Puskás, A., Sandu, A.V., Ioani, A.M., Hussin, K. and Sandu, I.G., 2015. New concrete with recycled aggregates from leftover concrete. In Applied Mechanics and Materials (Vol. 754, pp. 389-394). Trans Tech Publications Ltd.	1
6	Bere, P., Popescu, A. and Hancu, L.L., 2015. Experimental Research Regarding the Tensile Strength of Some Reinforced Composite Materials. In Applied Mechanics and Materials (Vol. 808, pp. 131-136). Trans Tech Publications Ltd.	1

Articol citat

Ceclan, V.A., Bâlc, N., Miron, A.V., **Borzan, C.** And Popan, A., 2011. Numerical Simulation Of The Tube Bending Process And Validation Of The Results. Academic Journal Of Manufacturing Engineering, 9(3), Pages 32 – 37, ISSN 15837904, **citat in:**

Articole care citează		**Punctaj**
1	Ridzon, M., Martinkovič, M., Mojžiš, M., Turňa, J., Domovcová, L. and Parilák, Ľ., 2017. Possibilities of Stereological Analysis of Grain Boundary Orientation in Longitudinal Sections of Precision Cold Drawn Seamless Steel Tubes. In Materials Science Forum (Vol. 891, pp. 51-54). Trans Tech Publications Ltd.	1
2	STANČEK, J. and BULEJ, V., 2015. Design of driving system for scissor lifting mechanism. Academic journal of manufacturing engineering, 13(4), pp. 38-43	1

3	KURIC, I. and CÍSAR, M., 2015. MACHINE TOOL ERRORS AND ITS SIMULATION ON EXPERIMENTAL DEVICE. Academic Journal of Manufacturing Engineering, 13(4), pp. 17-21.	1
4	Ridzoň, M. and Závacká, A., 2013. Effect of drawing tubes without interoperation recrystallization annealing on the orientation of boundaries grain–longitudinal direction. In Applied Mechanics and Materials (Vol. 421, pp. 329-333). Trans Tech Publications Ltd.	1
5	Ridzoň, M., Bílik, J. and Závacká, A., 2013. Effect of Drawing Tubes without Interoperation Recrystallization Annealing on the Orientation of Boundaries Grain-Orthogonal Direction. In Advanced Materials Research (Vol. 811, pp. 104-107). Trans Tech Publications Ltd.	1
6	Lee, D.; Joo, S.; Zhang, J. Experimental Generation of STKN540B Steel Circular Tube Manufacture with Press Bending and Auto-Welding Correction. Preprints 2019, 2019120207, DOI: 10.20944/preprints201912.0207.v1	1
7	SZEGEDI, A. and Lengyel, A., 2015. EXAMINATION OF ENERGETICS REALTIONS OF UNDERLOAD GEAR SHIFTING. Academic Journal of Manufacturing Engineering, 13(4).	1
8	Ridzon, M., Buček, P., Necpal, M. and Parilák, Ľ., 2015. Manufacturing of precision seamless steel tubes using cold drawing technology: simulation and experiment. Applied Mechanics and Materials, 808, pp.80-85.	1

Articol citat

Miron, A.V., Bâlc, N., Popan, A., **Borzan, C.Ş.** and Bere, P., 2013. Studies On Water Jet Cutting Of 2D Parts Made From Carbon Fiber Composite Materials. Academic Journal of Manufacturing Engineering, 11(2), pp. 87-92, **citat in:**

Articole care citează		**Punctaj**
1	Altin Karataş, M., Motorcu, A.R. and Gökkaya, H., 2021. Study on delamination factor and surface roughness in abrasive water jet drilling of carbon fiber-reinforced polymer composites with different fiber orientation angles. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 43(1), pp.1-29 DOI 10.1007/s40430-020-02741-4.	1
2	Jani, S.P., Senthil Kumar, A., Adam Khan, M. and Uthayakumar, M., 2020. Surface roughness and morphology studies on machining hybrid composite material using abrasive water jet cutting process. In Surface Engineering of Modern Materials (pp. 125-148). Springer, Cham.	1
3	Jani, S.P., Kumar, A.S., Khan, M.A. and Jose, A.S., 2021. Design and optimization of unit production cost for AWJ process on machining hybrid natural fibre composite material. International Journal of Lightweight Materials and Manufacture, 4(4), pp.491-497.	1
4	Dhanawade, A., Kumar, S. and Kalmekar, R.V., 2016. Abrasive water jet machining of carbon epoxy composite. Defence Science Journal, 66(5), p.522.	1
5	Bere, P., Popescu, A. and Hancu, L.L., 2015. Experimental Research Regarding the Tensile Strength of Some Reinforced Composite Materials. In Applied Mechanics and Materials (Vol. 808, pp. 131-136). Trans Tech Publications Ltd.	1

Articol citat

Ceclan VA, Balc N, Grozav S, Bere P, **Borzan CS**, Quality of the hydroformed tubular parts, Conference on Interdisciplinary Research in Engineering Steps towards Breakthrough Innovation for Sustainable Development (INTERIN 2013), Advanced Engineering Forum, Volume: 8-9, 2013, Pages: 215-224, DOI: 10.4028/www.scientific.net/AEF.8-9.215, WOS:000323184000024 ISI Proceedings.

Articole care citează		Punctaj
1	Morovič, L. and Milde, J., 2015. CAD model created from polygon mesh. In Applied Mechanics and Materials (Vol. 808, pp. 233-238). Trans Tech Publications Ltd.	1
2	Bella, P., Ridzon, M., Mojzis, M. and Parilak, L., 2017. The technology of cold drawing of seamless steel tubes using numerical simulation. Hutnik, Wiadomości Hutnicze, 84(8).	1
3	Kan, M., Ridzon, M., Mojzis, M., Turna, J., Peterka, J. and Parilak, L., 2019. The influence of technological parameters for the manufacture of precision seamless tubes for automotive industry. Hutnik, Wiadomości Hutnicze, 86(8).	1
4	Monka, P.P., Monkova, K., Jahnátek, A. and Vanca, J., 2020, June. Flexible Manufacturing System Simulation and Optimization. In International Conference of Experimental and Numerical Investigations and New Technologies (pp. 53-64). Springer, Cham.	1
5	Mojzis, M., Ridzon, M., Kan, M., Durcik, R., Turna, J. and Parilak, L., 2019. Microstructure aspects and comparison of mechanical properties of cold drawn precision seamless tubes. Hutnik, Wiadomości Hutnicze, 86(8).	1

Articol citat

C. Ş. Miron-Borzan, M. C. Dudescu, V.Ceclan, A. Trif, Ridzon M., P. Berce, PA 2200 vs. PMMA: Comparison between the mechanical proprieties obtained for the 2 biocompatible materials, Revista de Materiale Plastice, Vol 53, no. 1, 2016, WOS:000351194900010 ISI Q4, IF: 0.903

Articole care citează		Punctaj
1	I. Turcin, C. Cosma, A. Abdallah, N. Balc., Design for Additive Manufacturing a Sweat Gland Simulator, 7th International Conference on Additive Technologies, October 2018, Maribor, Slovenia,	0,833
2	Kozior, T., 2022. Polymer powders. In Polymers for 3D Printing (pp. 271-306). William Andrew Publishing.	0,833

Articol citat

Cosma, S.C., Balc, N., Moldovan, M. and **Miron-Borzan, C.S.**, 2015. Surface treatments applied on titanium implants. Ovidius Univ. Ann. Chem, 26(1), pp.41-48, **citat in:**

Articole care citează		Punctaj
1	Cosmin, C.S. and Dan, Leordean, 2015. Research on Improving the Manufacturing of Titanium Medical Implants, by SLM. Balneo Research Journal, 6(4), pp.211-216.	1,25

Articol citat

J. Kmec, M.Harničárová, **C. Borzan**, M. Borzan, J.Valíček, J. Kříž, M. Kušnerová, Proposal for a method of measurement and control of surface quality in the course of abrasive waterjet cutting of material, MATEC Web of Conferences, Vol. 299, Modern Technologies in Manufacturing (MTeM 2019), Pages 02003, 2019 https://doi.org/10.1051/matecconf/201929902003 ISI Proceedings., **citat in:**

Articole care citează		Punctaj
1	Galinovskiy, A.L., Barzov, A.A. and Prokhorova, M.A., 2021. Ultrajet Mesodiagnostic Probabilistic Model for Surface Layer's Variable	0,714

	Defectiveness of Complex Technology Products. In Key Engineering Materials (Vol. 882, pp. 289-295). Trans Tech Publications Ltd.	
2	Yang, G., 2020. μscan Microscopic Scanning Analysis of Carbonfiber Reinforced Plastics Cut by Abrasive Water Jet. Acta Microscopica, 29(6).	0,714

Articol citat
Borzan, C.S., Moldovan, M. and Bocanet, V., 2018. Evaluation of Surface Modification of PA 2200 Parts Made by Selective Laser Sintering Process. Revista de Chimie, 69(4), pp.886-889, **citat in:**

Articole care citează		**Punctaj**
1	Hamaid, KHAN., DİRİKOLU, M. and Ebubekir, K.O.Ç., 2021. Weibull distribution of selective laser melted AlSi10Mg parts for compression testing. Journal of Advances in Manufacturing Engineering, 2(1), pp.14-19.	1,667
2	Hamaid, KHAN., TARAKÇI, G., BULDUK, M. and Ebubekir, K.O.Ç., 2021. Estimation of the compression strength and surface roughness of the as-built SLS components using weibull distribution. Journal of Advances in Manufacturing Engineering, 2(1), pp.1-6.	1,667

Articol citat
Mada, D.C., Gasparik, C., Moldovan, M., **Miron-Borzan, C.S.**, Irimie, A.I., Cornea, D., Dudea, D. and Campian, R.S., 2016. The effect of a natural extract-based experimental bleaching gel upon the colour and suface roughness of a composite resin–an in vitro study. Studia Universitatis Babes-Bolyai, 61(4), pp.43-52., **citat in:**

Articole care citează		**Punctaj**
1	Mada, D.C., Gasparik, C., Irimie, A.I., Mada, M.D., Dudea, D. and Campian, R.S., 2018. Evaluation of chromatic changes of a nanocomposite resin using the new whitness index. Clujul Medical, 91(2), p.222.	0,625

Articol citat
Berce, P., Sadeh, A., Pacurar, R. and **Miron-Borzan, C.**, 2019. Rapid product development using additive manufacturing technologies. The Romanian Journal of Technical Sciences. Applied Mechanics., 64(3), pp.189-207, **citat in:**

Articole care citează		**Punctaj**
1	Milodin, N.L., Popa, N.M. and Tutoveanu, M., 2021. Compression Behaviour Of Pa2200 Lattice Structures. International Journal of Mechatronics and Applied Mechanics, (9), pp.192-200.	1,25

Articol citat
Cep, R., Cepova, L., **Borzan, C.S.**, Kasal, J., Sadilek, M., Sokova, D., Hatala, M., Petru, J., Stancekova, D., Pagac, M. and Hajnys, J., 2019. Influence of Coolant Pressure Size on Surface Roughness when Stainless Steel Machining. In MATEC Web of Conferences (Vol. 299, p. 04002). EDP Sciences, **citat in:**

Articole care citează		**Punctaj**
1	Pasternak, V., Zabolotnyi, O., Svirzhevskyi, K., Zadorozhnikova, I. and Machado, J., 2023. Influence of Mechanical Processing on the Durability of Parts in Additive Manufacturing Conditions. In International Conference Innovation in Engineering (pp. 24-35). Springer, Cham.	0,455

Articol citat
Miron, A., Arghir, M., Balc. N., Popan, A. and **Miron-Borzan, C.**, 2015. Determination of cutting head vibrations during abrasive water jet cutting process. ACTA TECHNICA NAPOCENSIS-Series: APPLIED MATHEMATICS, MECHANICS, and ENGINEERING, 58(3), **citat in:**

Articole care citează		**Punctaj**
1	Štefek, A., Hlaváč, L.M., Tyč, M., Barták, P. and Kozelský, J., 2019, November. Remarks to abrasive waterjet (AWJ) forces measurements. In International Conference on Water Jet-Research, Development, Applications (pp. 208-218). Springer, Cham.	1

Articol citat
Popan, A., Bâlc, N., Popan, A., Panc, N. and **Borzan, C.S.**, 2015. Using Simulation to Improve the Quality of the Metallic Industrial Components Made by Rapid Casting. In Applied Mechanics and Materials (Vol. 808, pp. 187-192). Trans Tech Publications Ltd., **citat in:**

Articole care citează		**Punctaj**
1	Wenbo, X. and Xuewen, Z., Numerical Simulation on Rapid Casting Process for Engine Cylinder Head of Aluminum Alloy. International Journal of Computational and Engineering, p.103.	1

Articol citat
Sabău Emilia, Trif Adrian, **Miron-Borzan Cristina-Ştefana**, Popescu Adrian, Numerical simulation of flexural behavior of glass fiber reinforced polymer composites, AJME,vol. 19(1), **2021**, pp. 52-56 **citat in:**

Articole care citează		**Punctaj**
1	Kaushik, V., Sharma, P., Priyanka, P. and Mali, H.S., 2022. Numerical modeling of fiber reinforced polymer textile composites for characterizing the mechanical behavior–a review. Materialwissenschaft und Werkstofftechnik, 53(10), pp.1263-1289.	1,25

Articol citat
Emilia Sabău, Răzvan Udroiu, Paul Bere, Ivan Buranský, **Cristina-Ştefana Miron-Borzan**, A Novel Polymer Concrete Composite with GFRP Waste: Applications, Morphology, and Porosity Characterization, Appl. Sci.-Basel 10(6):2060, **2020,** Special Issue Progressive Cement and Glass-Based Composites and Structures, ISSN 2076-3417, DOI: 10.3390/app10062060, WOS:000529252800161, ISI Q2, IF 2,474, **citat in:**

Articole care citează		**Punctaj**
1	Romani, A., Suriano, R., Mantelli, A., Levi, M., Tralli, P., Laurila, J. and Vuoristo, P., 2023. Composite Finishing for Reuse. In Systemic Circular Economy Solutions for Fiber Reinforced Composites (pp. 167-190). Cham: Springer International Publishing.	1

Articol citat
R. Păcurar, P. Berce, A.Petrilak, O.Nemeş, **C. Ş. Miron Borzan**, M. Harničárová, A. Păcurar, Selective Laser Sintering of PA 2200 for Hip Implant Applications: Finite Element Analysis,

Process Optimization, and Morphological and Mechanical Characterization, Materials, Vol 14, Issue 15, pp 4240, https://doi.org/10.3390/ma14154240 ISI Q2, IF: 3.623, **citat in:**		
Articole care citează		**Punctaj**
1	Pesode, P. and Barve, S., 2023. Additive manufacturing of metallic biomaterials: sustainability aspect, opportunity, and challenges. Journal of Industrial and Production Engineering, pp.1-42.	0.714

Articol citat Luca, A., Bâlc, N., Popan, I.A. and **Borzan, C.S.**, 2013. Research To Improve The Surface Quality Of Metal Parts Made By Investment Casting. Academic Journal Of Manufacturing Engineering, 11(2) **citat in:**		
Articole care citează		**Punctaj**
1	Kusyairi, I., Himawan, H.M., Choiron, M.A., Irawan, Y.S., Safari, R. and Djuanda, D.R., 2020. Experimental Study on Mold-Lay Filament instead of Wax in Investment Casting Process. JEMMME (Journal of Energy, Mechanical, Material, and Manufacturing Engineering), 5(1), pp.39-44.	1,25

3.1.3 Citări în alte publicatii

Articol citat C. Cosma, N. Balc, M. Moldovan, L. Morovic, P. Gogola, **C. Miron-Borzan**, Post-processing of customized implants made by laser beam melting from pure Titanium, Journal of Optoelectronics and Advanced Materials Vol. 19, No. 11 - 12, November – December 2017, p. 738 – 747, ISSN: PRINT: 1454 – 4164, ON-LINE: 1841 – 7132, ISI Q4, IF: 0.45 (2017).		
Articole care citează		**Punctaj**
1	Molnár, I. and Morovič, L., 2018. 3D digitization and additive manufacturing technologies in medicine. Research Papers Faculty of Materials Science and Technology Slovak University of Technology, 26(42), pp.165-170.	0,5
2	Dezső, G. And Szigeti, P.K.F., Effect Of Manufacturing Orientation To Surface Roughness Parameters Of Parts Produced By Metal Selective Laser Melting, International Multidisciplinary Conference, 14th Edition, 25-26 November, 2021, Nyíregyháza - Baia Mare, Hungary - Romania	0,5
3	Dezso, G. and Szigeti, F., 2023. Investigation of shape accuracy of selective laser melted ti6al4v lattice structure by computer tomography. Acta Technica Corviniensis-Bulletin of Engineering, 16(2), pp.1-5.	0,5

Articol citat Ceclan VA, Bere P, Borzan M, Grozav S, **Borzan C,** Development of Environmental Technology for Carbon Fibre Reinforced Materials Recycling, MATERIALE PLASTICE, Volume: 50, Issue: 2, JUN 2013, Pages: 79-83, WOS:000320842600002 ISI Q4, IF: 0.463.		
Articole care citează		**Punctaj**
1	Dominic, M. and Nandakumar, C.G., 2016. 'Investigations on Strength and Sustainability of Nonmetallic Laminated Composite Ship Structure (Doctoral dissertation, Cochin University of Science and Technology).	0,6

Articol citat Ceclan VA, Balc N, Grozav S, Bere P, **Borzan CS**, Quality of the hydroformed tubular parts, Conference on Interdisciplinary Research in Engineering Steps towards Breakthrough Innovation for Sustainable Development (INTERIN 2013), Advanced Engineering Forum,

Volume: 8-9, 2013, Pages: 215-224, DOI: 10.4028/www.scientific.net/AEF.8-9.215, WOS:000323184000024 ISI Proceedings., **citat in:**		
Articole care citează		**Punctaj**
1	Ridzoň, M., Mojžiš, M., Domovcová, L., Bílik, J. and Parilák, Ľ., Microstructural Aspects Of Cold Forming Processes In Precision Tube Drawing, in Metal 2015, Jun 3rd – 5th 2015, Brno, Czech Republic, EU	0,6
2	Bin Zhang, The automatic optimization of metal forming processes – Inverse identification of constitutive parameters for tubular materials based on hydraulic bulge test by Bin Zhang Dissertation submitted 2022, Title (researchgate.net)	0,6

Articol citat **C. S. Miron-Borzan**, M.C. Dudescu, P. Berce, Bending and compression tests for PA 2200 parts obtained using Selective Laser Sintering method, The 4th International Conference on Computing and Solutions in Manufacturing Engineering 2016 – CoSME'16, MATEC Web Conf., Volume 94, 2017, DOI: 10.1051/matecconf/20179403010		
Articole care citează		**Punctaj**
1	Lentini, L., Dispositivo di presa attuato tramite leghe a memoria di forma, POLITECNICO DI TORINO, Dipartimento di Ingegneria Meccanica e Aerospaziale, 2018 https://webthesis.biblio.polito.it/11599/1/tesi.pdf	1
2	Scardino, F.G., 2019. Dispositivo di presa attuato tramite leghe a memoria di forma = Gripping device actuated by shape memory alloy (Doctoral dissertation, Politecnico di Torino) https://webthesis.biblio.polito.it/secure/11599/1/tesi.pdf	1

Articol citat Ceclan, V.A., Bâlc, N., Miron, A.V., **Borzan, C.** And Popan, A., 2011. Numerical Simulation Of The Tube Bending Process And Validation Of The Results. Academic Journal Of Manufacturing Engineering, 9(3), Pages 32 – 37, ISSN 15837904, citat in:		
Articole care citează		**Punctaj**
1	Misztal, A., 2015. Kryteria brzegowe implementacji systemów zarządzania jakością w przedsiębiorstwach branży motoryzacyjnej (p. 191). Poznan: Wydawnictwo Politechniki Poznańskiej.	0,6
2	Misztal, A., When You Need Validation Of The Processes?, The Proceedings Of The 10th International Congress, Machines, Technologies, Materials, 2013, Volume 3, Pp 70-73.	0,6

Articol citat Emilia Sabău, Răzvan Udroiu, Paul Bere, Ivan Buranský, **Cristina-Ştefana Miron-Borzan**, A Novel Polymer Concrete Composite with GFRP Waste: Applications, Morphology, and Porosity Characterization, Appl. Sci.-Basel 10(6):2060, 2020, Special Issue Progressive Cement and Glass-Based Composites and Structures, ISSN 2076-3417, DOI: 10.3390/app10062060, WOS:000529252800161, ISI Q2, IF 2,474, **citat in:**		
Articole care citează		**Punctaj**
1	Buranská, E., Rantuch, P., Buranský, I. and Kucmanová, A., 2021. Application of Industrial Computer Tomography to Determine Wood Porosity. Vedecké Práce Materiálovotechnologickej Fakulty Slovenskej Technickej Univerzity v Bratislave so Sídlom v Trnave, 29(49), pp.15-23.	0,6

Articol citat Cosma, S.C., Balc, N., Moldovan, M. and **Miron-Borzan, C.S.**, 2015. Surface treatments applied on titanium implants. Ovidius Univ. Ann. Chem, 26(1), pp.41-48, **citat in:**		
Articole care citează		**Punctaj**
1	Stewart, C., 2018. The development of protein-functionalised plasma polymer biointerfaces for orthopaedic applications (Doctoral dissertation). https://ses.library.usyd.edu.au/handle/2123/20255	0,75

Articol citat Cosma, S.C., Balc, N., Leordean, D., Moldovan, M., Dudescu, M. and **Borzan, C.**, 2015. Customized Medical Applications Of Selective Laser Melting Manufacturing, Academic Journal Of Manufacturing Engineering, 13(1), p. 24-32, ISSN 15837904, **citat in:**		
Articole care citează		**Punctaj**
1	Golrokhi, Z., 2016. Atomic layer deposition of conformal silver as an ultra-thin anti-microbial coating for orthopaedic implants. The University of Liverpool (United Kingdom).	0,5
2	Didier, P., 2019. Solutions matériaux et géométriques pour la réalisation de dispositifs médicaux implantables sur-mesure en alliages de titane: application aux implants endo-osseux et supra-osseux obtenus par fabrication additive (Doctoral dissertation, Université de Lorraine).	0,5

Articol citat **Miron-Borzan C.Ş.**, M. C. Dudescu, Khalid Abd Elghany, V. Ceclan, P. Berce, Analysis of mechanical proprieties of selective laser sintered polyamide parts obtained on different SLS equipment, Revista de Materiale Plastice, Vol. 52, no. 1, March, 2015, ISSN 0025-5289, WOS:000373966500001, ISI Q4, IF: 0.903, **citat in:**		
Articole care citează		**Punctaj**
1	du Preez, W.B., Yadroitsev, I., Yadroitsava, I., van Zyl, I., Els, J., Monaheng, L. and Dzogbewu, T.C., 2016. EVALUATION OF THE COMPRESSIVE MECHANICAL PROPERTIES OF CELLULAR DMLS STRUCTURES FOR BIOMEDICAL APPLICATIONS. SUNConferences, 17th Annual Conference of the Rapid Product Development Association of South Africa.	0,6

Articol citat **Borzan, C.S.**, Moldovan, M. and Bocanet, V., 2018. Evaluation of Surface Modification of PA 2200 Parts Made by Selective Laser Sintering Process. Revista de Chimie, 69(4), pp.886-889, **citat in:**		
Articole care citează		**Punctaj**
1	Hu, Y., 2021. Computational mechanics of crack growth in selective laser sintering by means of eXtend finite element method (XFEM) (Doctoral dissertation, University of Sheffield).	1
2	Kozior, T., 2022. Polymer powders. In Polymers for 3D Printing (pp. 271-306). William Andrew Publishing.	1

Total A3.1. Vizibilitate in baze de date citări: 348.1850 puncte

3.2 Prezentări efectuate ca invitat/invitată în plenul unor manifestări științifice naționale și internaționale și Profesor invitat (exclusiv Erasmus)

Nr.	Titlu	Punctaj
1	Profesor invitat: Slovak University of Technology in Bratislava, Faculty of Materials Science and Technology in Trnava - Department of Machining and Computer Aided Technologies, 22.03.2016, Tema seminarului: *Research Regarding the Manufacturing through AM Technologies of an Implant for Cervical Disc Replacement* https://m.facebook.com/uvtemtfstu/	20
2	Profesor invitat: Institute of Technologies and Buissness in Ceske Budejovice, Czech Republic, 02.05.2022, Tema seminarului: *Customizated implants: Manufacturing principles and determination of psychological price.* (invitatie)	20
3	Profesor invitat: University of Nyíregyháza, Department of Physics and Production Engineering, 15.11.2021, Tema seminarului: *„Customized implants": Manufacturing principles and determination of psychological price* (invitatie).	20
4	Prezentare: „Application of 3D printing technologies in medicine" in cadrul Scolii de vara EMERALD on 3D Printing in Bio-Mechatronics, organizata la University of Agder, Norvegia, Septemberie 2022 (diploma).	20
5	Profesor invitat: Institute of Technologies and Buissness in Ceske Budejovice, Czech Republic, 18-19.06.2023, Tema seminarului: *„New trend in the field of Industrial Logistics"* (invitatie).	20
6	Prezentari ca profesor invitat: „Research regarding manufacturing through AM Technologies of an implant for cervical disk replacement" si „Custom implants: Manufacturing principles and determination of psychological price" in cadrul Scolii de vara organizate de Poznan University of Technology, Polonia, 2021 (diploma).	20
7	Prezentari ca profesor invitat: „Optimizing systems for transport and storage of goods and determination of the psychological price for products" Comenius University in Bratislava, Faculty of Management, Department of Marketing, 24-27.11.2023 (invitatie).	20
	Total puncte 3.2	**140**

3.3 (a) Membru în colectivele de redacţie sau comitete ştiinţifice ale revistelor şi manifestărilor ştiinţifice, organizator de manifestări ştiinţifice;

(b) Recenzent pentru reviste şi manifestări ştiinţifice naţionale şi internaţionale indexate ISI

3.3.1 Indexate ISI

Nr.	Titlu	Punctaj
1	Membru în colectivul de organizare a 14th International Conference on Modern Technologies in Manufacturing (MTeM) Location: Cluj-Napoca, ROMANIA, 2019, https://mtem.utcluj.ro, **volum indexat ISI Proceedings**	10
2	Reviewer in International Conference on Modern Technologies in Manufacturing (MTeM) Location: Cluj-Napoca, ROMANIA, 2019, Book Series: MATEC Web of Conferences vol. 299, **volum indexat ISI Proceedings**	10
3	Membru în colectivul de organizare a 13th International Conference on Modern Technologies in Manufacturing (MTeM-AMaTUC) Location: Cluj-	10

	Napoca, ROMANIA, 2017, https://mtem.utcluj.ro, **volum indexat ISI Proceedings**	
4	Reviewer in International Conference on Modern Technologies in Manufacturing (MTeM-AMaTUC) Location: Cluj-Napoca, ROMANIA, 2017, Book Series: MATEC Web of Conferences vol. 137, **volum indexat ISI Proceedings**	10
5	Membru in Colectivul Stiintific si Reviewer: Mobility IoT 2019 - 6th EAI International Conference on Smart Cities, 8-10.10.2019, Krynica-Zdrój, Poland, https://mobilityiot.eai-conferences.org/2021/technical-program-committee/	10
6	Membru in Colectivul Stiintific si Reviewer: Mobility IoT 2018 - 5th EAI International Conference on Smart Cities within SmartCity360° Summit: Scientific Board – Mobility IoT 2018 (eai-conferences.org)	10
7	Membru în colectivul de organizare „The 15th INTERNATIONAL CONFERENCE ON MODERN TECHNOLOGIES IN MANUFACTURING" organized by the Dept. of Manufacturing Engineering (DME), Technical University from Cluj-Napoca, 18-20 October 2023 – Cluj-Napoca **volum indexat ISI Proceedings**	10
	Total puncte 3.3.1	**70**

3.3.2 Indexate BDI

Nr.	Titlu	Punctaj
1	-	-
	Total puncte 3.3.2	**-**

3.4 Experienta de management, analiza si evaluare in cercetare si/sau invatamant

3.4.2 Membru

Nr.	Titlu	Punctaj
1	Membru în comisia pentru interviuri la admitere Master IVFC en (Cluj-Napoca) 2020, 2021.	4
2	Membru în Comisia de Admitere la nivel Licenta 2014-2021	14
3	Secretar de comisie master IMRTI Satu Mare 2016-2022	12
4	Secretar de comisie licenta TCM en 2023	2
5	Membru în comisia de licenta SPDP Bistrita 2023	2
	Total puncte 3.4.2	**34**

3.5 Premii

3.5.1 Academia Romana

1	Premiul Academiei Romane, Henri Coanda 2015	30

3.6 Membru în academii, organizații, asociații de prestigiu

3.6.4 Asociații profesionale

3.6.4.1. Internaţionale

1	Membru al Slovak Metal Science Society	5
	Total puncte 3.6.4.1	**5**

3.6.4.2. Naţionale

1	Membru al Asociaţiei Universitare de Ingineria Fabricaţiei (AUIF)	3
	Total puncte 3.6.4.2	**3**
	Total puncte 3.6	**8**

Total A3. Recunoașterea și impactul activității: 631,185 puncte

Data: 03.12.2023

Candidat: Ș.I. dr. ing. Cristina Stefana Borzan