



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

AVIZ ÎNDEPLINIRE STANDARDE MINIMALE

Încheiat astăzi, **12.06.2023**, 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 Construcției de a verificat informațiile cuprinse în fișa de verificare depusă de **Conf. Dr.ing. Paul BERE** pentru postul **profesor poz. 08** din Statul de funcții al Departamentului Ingineria Fabricației. Comisia de analiză apreciază că acesta **îndeplinește** cerințele cuprinse în fișa de verificare.

Comisia de verificare

**Lista detaliată cu punctajele pentru criteriile A1, A2 și A3 conform OM.
Nr. 6129/2016, Publicat în MONITORUL OFICIAL nr. 123 din 15
februarie 2017**

Conf. dr. ing. Paul Bere

Centralizator			
	Domeniul de activitate	Condiții Profesor	Punctaj obținut
1	Activitatea didactica/ profesionala (A1)	Minim 130 puncte	379,17 puncte
2	Activitatea de cercetare (A2)	Minim 300 puncte	1400,84puncte
3	Recunoașterea impactului activității (A3)	Minim 100 puncte	1214,69 puncte
	Total		2994,7

A1. Activitatea didactică și profesională

A1.1 Cărți / manuale / monografii / capitole în cărți de specialitate

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

– minimum 2 prim autor (Realizat 2. Pozițiile 2-4)

1.1.1.1 Internaționale

Nr.	Titlu	Punctaj
1.	Advanced Industrial Engineering, New Tendencies In Material Engineering, Bielsko-Biala University 2017, ISBN 978-83-947909-2-9, Wydawnictwo, Fundacji Centrum Nowych Technologii, Paul Bere Cap. 1 Composite Materials 38 pag., Cap. 4 Advanced composite materials and applications 34 pag. Total 71 pag	14,2
2.	Fabricația materialelor compozite. Materiale, Metode, Aplicații, Paul BERE , Marin GUȚU Editura Tehnică UTM, Universitatea Tehnică a Moldovei 328 p, Chișinău 2018, ISBN 978-9975-45-538-1.	32,8
3.	Product Lifecycle Management: Terminology and Applications, edited by Razvan Udriou, Paul Bere , IntechOpen, 2018, DOI: 10.5772/intechopen.81686, ISBN 978-1-78984-542-6, nr. pagini-10, Introductory Chapter: Product Lifecycle Management-Terminology,	1
	Total puncte	48

1.1.1.2 Naționale (Ed. Recunoscute CNCSIS)

Nr.	Titlu	Punctaj
4.	Paul Bere , Materiale Compozite Polimerice”, UTPRESS, Cluj-Napoca, 2012, ISBN, 978-973-662-723-1, nr pagini-252.	25,2
5.	Claudiu Florea, Paul Bere , Fabricația pieselor din materiale compozite prin procedeul de transfer in matriță, Editura,UTPRESS, Cluj-Napoca. 2017, ISBN, 978-606-737-229-8, nr pagini-256.	12,85
	Total puncte	38,05

1.1.2 Cărți ca editor

1.1.2.1 Internaționale

Nr.	Titlu	Punctaj
7.	Product Lifecycle Management: Terminology and Applications, edited by Razvan Udriou, Paul Bere , IntechOpen, 2018, nr.pagini 121 DOI: 10.5772/intechopen.81686, ISBN 978-1-78984-542-6	6,05

1.2 Alte materiale didactice inclusiv in format electronic

1.2.1. Suporturi de curs / indrumare

Profesor minim 4 din care 2 ca prim autor (Realizat 4, pozițiile 8-11, Prim autor 3.)

Nr.	Titlu	Punctaj
8	Paul Bere , Rusu A., Dezvoltare Durabilă, Suport de curs, Editura,UTPRESS, Cluj-Napoca. 2016, ISBN, 978-606-737-212-0, nr pagini-170.	4,25
9.	Paul Bere , Hancu L., ș.a. Materiale compozite cu matrice polimerică. Lucrări de laborator Editura,UTPRESS, Cluj-Napoca. 2015, ISBN, 978-606-737-115-4, nr pagini 190.	1,9
10.	Paul Bere Rusu A., Dezvoltare Durabilă. Aplicații seminar, Editura,UTPRESS, Cluj-Napoca. 2017, ISBN, 978-606-737-255-7, nr pagini 124	2,48
11.	Hancu L., Iancu H., Paul Bere ș.a., Fabricația pieselor din materiale plastice. Lucrări de laborator, Editura,UTPRESS, Cluj-Napoca. 2016, ISBN, 978-606-737-207-6, nr pagini 306.	2,44
Total puncte		11.07

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

Nr.	Titlu	Punctaj
1	Responsabil program de studii - Materiale compozite polimerice. Tehnologii de fabricație (DECIDFR)	15

1.4 Dezvoltarea de noi discipline

Nr.	Titlu	Punctaj
1	Bazele fabricării pieselor din materiale compozite (DECIDFR)	10
2	Tehnologii de Fabricație (DECIDFR)	10
3	Fabricarea matrițelor pentru obținerea pieselor din materiale compozite (DECIDFR)	10
4	Materiale compozite, Curs, Specializarea Fiabilitatea și mentenanța sistemelor mecanice Master Alba, Departamentul Inginerie Mecanică, Facultatea Autovehicule Rutiere, Mecatronică și Mecanică	10
5	Tehnici Avansate în Ingineria Autovehiculelor, Curs, Master, specializarea Tehnologii avansate în Industria Auto, Departamentul Autovehicule rutiere si transporturi, ,	10
6	Materiale Compozite, Curs, Master, specializarea Energii Regenerabile, Departamentul Inginerie Mecanică, Facultatea Autovehicule Rutiere, Mecatronică și Mecanică	10
Total puncte		60

1.5 Proiecte educaționale ERASMUS

1	Acord ERASMUS cu Universitatea Politehnica din Poznan Polonia	60
2	Acord ERASMUS cu Universitatea Aachen Germania	70
3	Acord ERASMUS cu Universitatea Lublin University of Technology	70

Total A1. Activitatea didactică și profesională 379,17 Puncte

2. Activitatea de cercetare

2.1 Articole în reviste cotate ISI Thomson Reuters și în volume indexate ISI Proceedings

Profesor de la ultima promovare minim 8 (Realizat 10 articole, pozițiile 1-10) din care minim 3 în reviste (Realizat 9 articole, pozițiile 1-8-10), minimum 3 ca autor principal, (Realizat 4 articole, pozițiile 1-2-3 și 8), Min 1 în zona roșie sau galbenă (Realizat 6, pozițiile 1;2;4;10; și pct 2.1*), 1 în zona galbenă (Poziția 5)

2.1. Articole ISI de la ultima promovare

Nr.	Titlu	Punctaj
1.	P. Bere , C Neamtu, R Udriou, Novel Method for the Manufacture of Complex CFRP Parts Using FDM-based Molds, Polymers, 2020, 12 (10), 2220, https://doi.org/10.3390/polym12102220 , Q1 , ISI IF 4,329,	26.55
2.	P. Bere , M Dudescu, C Neamtu, C Cocian, Design, Manufacturing and Test of CFRP Front Hood Concepts for a Light-Weight Vehicle Polymers, 13 (9), 1374, 2021/1, https://doi.org/10.3390/polym13091374 , Q1 , ISI IF 4,329	19.91
3.	P. Bere , M. Dudescu, C. Neamtu, O. Nemes, C. Moldovan, M. Simion, Fabrication and Mechanical Characterization of Short Fiber-Glass Epoxy Composites, Materials Performance and Characterization, 8 (1), 163-174, 2019, https://doi.org/10.1520/MPC20180171 ISI	5
4.	Sabău E., Bere P. , Moldovan M, Petean I., and Miron-Borzan C., Evaluation of Novel Ornamental Cladding Resistance, Comprised of GFRP Waste and Polyester Binder, within an Acid Environment, Polymers 2021, 13(3), 448; doi:10.3390/polym13030448, Q1 , ISI IF 4,329	15.93
5.	E. Sabău, R Udriou, P Bere , I Buranský, CȘ Miron-Borzan, A Novel Polymer Concrete Composite with GFRP Waste: Applications, Morphology, and Porosity Characterization, Applied Sciences 10 (6), p.2060, 1/2020, https://doi.org/10.3390/app10062060 , Q2 , ISI, IF 2,67	11.34
6.	Moldovan (Lazar), M. , Bosca A, Rares C., Rotaru H., Prejmorean C, Prodan D., P Bere , Cosma C, Festila D., Ghergie M., Bone Reaction to a Newly Developed Fiber-reinforced Composite Material for Craniofacial Implants, MATERIALE PLASTICE Journal, vol. 57(2), 2020, p.131-139, https://doi.org/10.37358/Mat.Plast.196 , ISI IF 0,593	3.59
7.	A.P. Chirita A, P Bere , R I Rădoi, L. Dumitrescu, Aspects Regarding the Use of 3D Printing Technology and Composite Materials for Testing and Manufacturing Vertical Axis Wind Turbines., Materiale Plastice Journal ,56 (4), 2019, https://doi.org/10.37358/Mat.Plast.196 , ISI IF 1,517	11.29
8.	Biruk-Urban K., Jóźwik J., Bere P. , Cutting Forces, and 3D Surface Analysis of CFRP Milling, Advances in Science and Technology, 2022, 16 (2), 206-215 ISI	11.2
9.	P Bere , R Ciobanu, O Ciobanu, M Guțu, Design and Manufacturing Method of GFRP Blades for Vertical Axis Wind Turbine, IOP Conference Series: Materials Science and Engineering 1190 (1), 012022, ISI	6.25
10	Biruk-Urban, K., Bere, P. , Jóźwik, J., & Leleń, M. (2022). Experimental Study and Artificial Neural Network Simulation of Cutting Forces and Delamination Analysis in GFRP Drilling. Materials, 15(23), 8597. ISI IF 3,748	16.87
	TOTAL Puncte A2.1 de la ultima promovare	127.93

2.1* Articole în reviste cotate ISI Thomson Reuters și în volume indexate ISI Proceedings pentru întreaga activitate

Nr.	Titlu	Punctaj
1	Bere P., Berce P., Nemeș O., Phenomenological fracture model for biaxial fibre reinforced composit, <i>Composites Part B: Engineering An International Journal</i> Vol 43 (2012) 2237–2243, www.journals.elsevier.com/composites-part-b Q1, ISI IF 2,143	17.143
2	P. Bere, M. C. Dudescu, N. Balci, P. Berce O. Nemes, A. M. Iurian, Design and analysis of carbon/epoxy composite bicycle handlebar, <i>Materiale Plastice</i> 51, No. 2, 2014, 145-149, http://www.revmaterialeplastice.ro ISI, IF 0,463	5.771
3	Lazar, M.-A., Rotaru, H., Prodan, D., Roman, C.R., Câmpian, R.S. Bere P Evaluation of the morphology and structure of e glass fiber-reinforced composites for cranio-facial bone reconstruction, <i>Studia Universitatis Babes-Bolyai, Chemia</i> , 61/2, 2016, p 249-260. ISI, IF 0,231	4.615
4	Ceclan V, Bere P. , Borzan M., Grozav S., Borzan C., Development of environmental technology for carbon fibre reinforced materials recycling, <i>Materiale Plastice</i> , 50, No. 2/ 2013, pag. 79-83, ISSN 0025-5289 ISI, IF 0,463	6.926
5	Arghir G BERE P. , Utilisation of composite materials in the model aircraft construction, <i>Jurnal Acta Technica Napocensis-Series: Applied Mathematics, Mechanics, and Engineering</i> Vol 60 Nr. 1, 2017/3/15, https://atna-mam.utcluj.ro , ISI	15
6	Neamtu C., Popescu, S., Bere P. , Comes, R., Innovative mechanical structure for hospital bed folding using a single actuator. <i>Acta Technica Napocensis - Series: Applied Mathematics, Mechanics, And Engineering</i> , 2016, Vol. 59, Iss. 4, ISSN 1221 – 5872, ISI	7.50
7	Mocean F, Achimaș G, Bere P , Achimaș S., The mechanical characteristics of composite materials used for the rehabilitation of canals by means of lining, <i>Jurnal Acta Technica Napocensis - Series: Applied Mathematics, Mechanics, And Engineering</i> , 2016, Vol. 58, Iss. 4, ISSN 1221 – 5872, ISI	7.50
8	Bere, P. , Krolczyk, J.B., Determination of mechanical properties of carbon/epoxy plates by tensile stress test, 2017 E3S Web of Conferences, 19, 03018 (2017) DOI: 10.1051/e3sconf/20171903018, https://doi.org/10.1051/e3sconf/20171903018 , ISI Proceedings	12.5
9	Bere, P; Nemes, O, Sabau, E., Dudescu, C., Design and Analysis of Carbon/Epoxy Composite Tubular Parts”, <i>Interdisciplinary Research in Engineering: Steps Towards Breakthrough Innovation for Sustainable Development book series: advanced engineering forum</i> Vol: 8-9, Pages: 207-214 DOI: 10.4028/www.scientific.net/AEF.8-9.207 2013, ISI Proceedings	6.25
10	Bere P , Neamtu C, Dudescu C, Comes R, Solcan S, Carbon epoxy front hood for an electrical city vehicle, 13th International Conference on Modern Technologies in Manufacturing, MTem - AMaTUC 2017, https://www.scopus.com , [ISI Proceedings]	6.25
11	P. Bere, C. Neamtu, Design and manufacturing methodology for F1 nose car, <i>International Conference On Production Research - Regional Conference Africa, Europe And The Middle East And 3rd International Conference On Quality And Innovation In Engineering And Management</i> , July 1-5, 2014, Cluj-Napoca, Romania, pp. 21-26, ISBN: 978-973-662-978-5 [ISI Proceedings]	12.50
12	Bere, P.; Nemes, O., Sabau, E., Dudescu, C., Design and Analysis of Carbon/Epoxy Composite Tubular Parts”, <i>Interdisciplinary Research In Engineering: Steps Towards Breakthrough Innovation For Sustainable Development Book Series: Advanced Engineering Forum</i> Vol: 8-9, Pages:	6.25

Nr.	Titlu	Punctaj
	207-214 DOI: 10.4028, www.scientific.net/AEF.8-9.207 2013, [ISI Proceedings]	
13	Hancu, L. Marc, G. Popescu, A. Bere, P. Rodean, S. Proposal for a composite structure and graphic design for a parking barrier, MATEC Web of Conferences, Vol. 137, p. 08004, 2017, DOI: 10.1051/mateconf/201711207021 ISI Proceedings	5
14	Neamtu C., Bere P. , Methods for Checking the Symmetry of the Formula One Car Nose, Innovative Manufacturing Engineering Conference, IManE 2014; Chisinau; Moldova; 29 – 30 May, Applied Mechanics and Materials, Volume 657, 2014, Pages 785-789, ISSN: 16609336, ISBN: 978-303835275-4, DOI:10.4028/www.scientific.net/AMM.657.785 [ISI Proceedings]	12.50
15	R.A. Ghinea, P. Bere , Neamtu Călin, Improving the design of a wind turbine blade, 2014, International Conference On Production Research - Regional Conference Africa, Europe And The Middle East And 3rd International Conference On Quality And Innovation In Engineering And Management, July 1-5, 2014, Cluj-Napoca, Romania, pp. 21-26, ISBN: 978-973-662-978-5 [ISI Proceedings]	8.33
16	Cecan, V., Balci, N., Grozav, S., Bere, P. , Borzan, B., Quality of the hydroformed tubular parts, in Interdisciplinary Research In Engineering: Steps Towards Breakthrough Innovation For Sustainable Development, vol. 8-9, pp. 215-224, 2013, http://apps.webofknowledge.com/ [ISI Proceedings]	5
17	Sabău E., Bălci N., Bere P., Serban F., The influence of reinforced degree on the mechanical characteristics in case of composite materials plates reinforced with fiber glass, Acta Technica Napocensis –Series: Applied Mathematics and Mechanics, ISSN 1221–5872, pp. 201-204, vol. 56, Issue 1 / 2013, https://atna-mam.utcluj.ro	6.25
18	Sabau, E., Balci, N.; Bere, P. Mechanical Behavior of New Composite Materials Reinforced by Waste Glass Fibre”, Interdisciplinary Research in Engineering: Steps Towards Breakthrough Innovation for Sustainable Development book series: Advanced Engineering Forum, Vol: 8-9 Pages: 309-316 DOI: 10.4028/www.scientific.net/AEF.8-9.207 2013, [ISI Proceedings]	8.33
19	Popescu, A., Hancu, L., Bere P. , Research concerning the optimum extrusion temperature for reinforced polyamide, Applied Mechanics and Materials 2013, Volume 371, 2013, Pages 394-398, 17th International Conference on Innovative Manufacturing Engineering, IManE 2013; Iasi; Romania; 23 May 2013 through 24 May 2013; Code 100295, [ISI Proceedings]	8.33
20	Sabău E, Bălci N, Bere P. , Nemeş O., New materials from waste glass fibre”, Studia UBB Chemia, LVII, 4/2012, ISSN (print): 1224-7154, ISSN (online): 2065-9520, ISSN-L: 1224-7154, pag. 201-208, ISI, IF 0,231	8.077
21	O. Nemeş, A.M. Chiper, A.R. Rus, O. Tataru, B.M. Soporan, Bere P. , Adhesive fracture in double-lap adhesive assemblies, <i>Studia UBB Chemia</i> Vol. 56 (LVI) 2011, ISSUE 4 Pag 249-254, ISI, IF 0,231	5.385
22	Nemeş O, Chiper AM, Rus AR., Soporan V., Tătaru O., Bere P. New composite materials plates from vegetal fibres, Studia UBB Chemia, LIV, Special ISSUE, 2010, ISSN (print): 1224-7154 ISSN (online): 2065-9520, ISSN-L: 1224-7154, Pag 101-108, ISI, IF 0,231	5.385
23	Cocis E., Soporan V., Ilea P., Imre-Lucaci F., Soporan B., Bere P. , Nemes O., Characterisation Of Generated Ash From Hazardous Waste Incineration, Studia Universitatis Babes-Bolyai Chemia, vol. 57, no. 2, pp. 147-156, 2012, http://chem.ubbcluj.ro/~studiachemia ISI, IF 0,231	5.385
24	Iancu, H., Bere, P. , Borzan, M., Hancu L., Crai A., The influence of reinforced materials and manufacturing procedures on the mechanical	7.6

Nr.	Titlu	Punctaj
	characteristics of polymeric composite materials, Revista Materiale Plastice, vol.45, nr.3, pag. 251-256, Septembrie 2008, ISSN 0025-5289 MPLAAM 45(3)2008 ISI IF 0,8	
25	Suciu C., Arghir G., Bere P. , Hard chemical constituent evidence in ferromanganese alloyed powder FeMn80C20, in STUDIA UBB CHEMIA, vol. 57, no. 3, pp. 259-266, 2012, http://chem.ubbcluj.ro/~studiachemia , ISI, IF 0,231	10.77
26	Cordoş N., Bere P. , Nemeş O., Effects of 2-ethylhexyl nitrate on auto-ignition and combustion qualities of rapeseed oil, Studia UBB Chemia, 57(LVII), 1/2012 ISSN (print): 1224-7154 ISSN (online): 2065-9520 ISSN-L: 1224-7154 Pag. 175-184 ISI, IF 0,231	10.77
27	E. Sabau, H. Iancu, L. Hancu, P. Bere , C. Popescu The maximum delaminating force at different types of composite structures", 19th DAAAM International Symposium, pp. 603-604, 2008, Viena Austria, ISBN 978-3-91509-68-1, ISSN 1726-9679 [ISI Proceedings]	6
28	Bere P. , Iancu, H., Crai A., The influence of the manufacturing process on the mechanical characteristics of composite materials reinforced with fibre", 18th DAAAM International Symposium, 2007, Zadar, Croatia, ISSN 1726-9679, ISBN 3-901509-58-5, Pag 75-76 [ISI Proceedings]	8.33
29	Bere P. , Popescu, A., Dudescu, C., Hancu, L, Influence of the stacking sequence on the mechanical proprieties of glass fiber reinforced polymer, Volume 112 (2017) MATEC Web Conf., 112 (2017) 04006	6.25
30	Bere P. , Neamtu C, Dudescu C, Design and manufacturing front hood for electric vehicle by carbon fiber, MATEC Web of Conferences, Vol. 112, p. 07021, 2017, DOI: 10.1051/mateconf/201711207021	8.33
31	Paul Bere , Calin Neamtu, Methodology for evaluate the form deviations for formula one nose car. Central European Journal of Engineering, ISSN: 18961541, Volume 4, Issue 2, June 2014, Pages 148-154, DOI:10.2478/s13531-013-0158-x	12.5
32	Hodor A., Berce P., Bere P. , Borzan M., Some considerations about composite moulds manufacturing. in: Acta Technica Napocensis, Series: Applied Mathematics and Mechanics, vol. 56, Issue I, pag.159-162, martie 2013, https://atna-mam.utcluj.ro	12.5
33	Paul, BERE., Arghir, G., Petean, I., & Suciu, c. (2012). Nano-crystalline state of FECO50 obtained in a planetary ball mill. <i>Acta Technica Napocensis-Series: Applied Mathematics, Mechanics, and Engineering</i> , 55(2).	6.25
34	Popescu A, Iancău H, Bere P , Melinte S., Experimental and theoretic research regarding optimization extrusion process for polymers reinforced fiber (PA 6.6–30% GF) Acta Technica Napocensis-Series Applied Mathematics, Mechanics, and Engineering, Vol 55, No 1 (2012), https://atna-mam.utcluj.ro	6.25
35	Bere P. , Berce P., Bălc N., Iancău H., Prună R., Research on obtaining bent tubular parts made of reinforced fibre composite materials using modern methods of rapid manufacturing, Acta Tehnica Napocensis, 2011, Vol 54 ISSUE II, ISSN 1221-5872, Pag.267-272	5
36	R.S. Chiorean , M.C. Dudescu, C.G. Neamtu, Bere P, M, Fartan, Design considerations for a modern tram bogie: from sheet metal to multi-layer carbon fiber reinforced composite material, Acta Technica Napocensis-Series: Applied Mathematics, Mechanics, and Engineering, Vol 63/2 2020, ISSN 1221 – 5872 ISI [WOS]	6
37	S. Solcan, R. Rozsos, Bere P., V. Nicolae, G. Daniel, C. Neamtu, Designing a car seat for electrical car, Acta Technica Napocensis-Series: Applied Mathematics, Mechanics, and Engineering, vol. 62 (4),2019, ISSN 1221 – 5872, ISI, [WOS]	5

Nr.	Titlu	Punctaj
38	M Simion, C Dudescu, Bere P., C Cocean, Material parameters identification of carbon fibres composites with strain gauges, Acta Technica Napocensis-Series: Applied Mathematics, Mechanics, and Engineering, vol. 62 (3) 2019, ISSN 1221 – 5872, ISI, [WOS]	7.5
39	E Sabău , C Vilău, P Bere, A Popescu, Finite element simulation of delamination process in composite materials, MATEC Web of Conferences Journal, Modern Technologies in Manufacturing (MTeM 2019) vol 299, p. 06005, 2019, https://doi.org/10.1051/mateconf/201929906005 , ISI [WOS]	7.5
40	P Bere , E Sabău, C Dudescu, C Neamtu, M Fărtan, Experimental research regarding carbon fiber/epoxy material manufactured by autoclave process, MATEC Web of Conferences Journal, Modern Technologies in Manufacturing (MTeM 2019) vol 299, p. 06005, 2019, [ISI Proceedings], https://doi.org/10.1051/mateconf/201929906005 , ISI [WOS]	6
41	S Solcan, C Neamtu, Bere P., R Ghinea, R Rozsos, P Attila, Using composite materials for dashboard design of an electric car, Acta Technica Napocensis-Series: Applied Mathematics, Mechanics, and Engineering, vol.3) 2018, ISSN 1221 – 5872, ISI [WOS]	5
42	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, 2022, 16 (2), 26-38 ISI, 0.36, Q3	11.2
43	Biruk-Urban , K., Józwik, J., & Bere, P. (2022, June). Influence of Technological Parameters on Cutting Force Components During Drilling of GFRP Composite. In <i>2022 IEEE 9th International Workshop on Metrology for AeroSpace (MetroAeroSpace)</i> (pp. 81-86). IEEE.	11.2
TOTAL Puncte A2.1 pentru întreaga activitate		346,12

2.2 Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale - Profesor minim 8 de la ultima promovare Realizat 9, pozitiile 36-43 de la activitatea 2.1 (acestea sunt indexate ISI) si poz.1 activitatea 2.2.

Nr.	Titlu	Punctaj
1	P Bere , R Rozsos, C Dudescu, C Neamtu, Manufacturing method for bicycle saddle from carbon/epoxy composite materials, The Romanian Journal of Technical Sciences. Applied Mechanics. 64 (2), 97-111, ISSN: 2601-5811, https://academiaromana.ro/RJTS-AM.htm	3.75
2	Neamtu C. , Bere C., Dobocan C., Ghinea R., Solcan S., Mold Design For Polystyrene Plastic Anchor, Applied Mechanics And Materials, Vol. 808, pp. 143-148, Nov. 2015 ISBN 978-3-03835-653-0 [EBSCO]	3
3	Bere P , Experimental research regarding vacuum bag technology for obtaining Carbon/ epoxy composites, Academic Journal of Manufacturing Engineering, vol. 12, ISSUE 1/2014 pag 86-90, [SCOPUS]	15
4	Bere P , Popescu A, Hancu L, Experimental Research Regarding the Tensile Strength of Some Reinforced Composite Materials, Applied Mechanics & Materials, 2015/6/12, vol 808, p131-136. 6p. [EBSCO]	5
5	Hancu L, Iancau H, Bere P , Popescu A., Research Concerning Chalk's Influence on Composite-Based Melamine's Compressive Strength, Applied Mechanics & Materials . 2015, Vol. 808, p149-154. [EBSCO]	3.75
6	Bere, P. Berce, P. Dudescu, C, Manufacturing method of carbon/epoxy composite bent tubes with variable section, Academic Journal of Manufacturing, Engineering, 12(3), pp. 84-89 2014, [SCOPUS]	5
7	Miron A., Bâlc N., Popan A., Borzan C., Bere P , Studies on Water Jet Cutting of 2D Parts Made From Carbon Fiber Composite Materials, Academic Journal	3

Nr.	Titlu	Punctaj
	of Manufacturing Engineering – Ajme, ISSN 1583-7904 Vol 11, ISSUE 2/ 2013 pag. 87-92 [EBSCO]	
8	Sabau E., Balc N., Bere P. , Borzan C., Ceclan V., Experimental study on behavoir of glass fiber reinbau eforced polimer composites under axial compression, Academic Journal of Manufacturing Engineering – Ajme, ISSN 1583-7904, Vol 11, ISSUE 3/ 2013 pag. 110-113 [EBSCO]	3
9	Bere P. , Sabau E., Hancu L., Popescu A., Rapid manufacturing method for obtaining bent tubular parts made of carbon/epoxy, Academic Journal of Manufacturing Engineering – Ajme, ISSN 1583-7904, Vol 11, ISSUE 4/ 2013 pag. 128-131 [SCOPUS]	3.75
10	Bere P. , Arghir G, Petean I, Suciu C. Nano-crystalline state of feco50 obtained in a planetary ball mill, Acta Technica Napocensis-Series: Applied Mathematics, Mechanics, and Engineering, Vol 55, No 2 (2012), https://atna-mam.utcluj.ro	3.75
11	Bere P. , Iancău H., Popescu A., Compression tests on tubes made of polymer composite materials, Acta Technica Napocensis, Nr. 52, 2009, ISSN 1224-9106, https://atna-mam.utcluj.ro	5
12	Bere P. , Berce P, Nemeş O, Cordoş N, Popescu A, Cociş E., Research regarding mechanical characteristics of carbon/epoxy composite tubes, Academic Journal of Manufacturing Engineering – Ajme, ISSN 1583-7904, ISSUE 4/ 2011, [SCOPUS]	2.5
13	Sabău E., Bâlc N., Bere P. , Mechanical characteristics of composite materials obtained by different technologies, <i>Academic Journal of Manufacturing Engineering – AJME</i> , ISSN 1583-7904, ISSUE 4/ 2011, [SCOPUS]	5
14	Bere P. , Berce P, Nemeş O., Sabău E, Research regarding the mechanical characteristics of carbon/epoxy composites, Academic Journal of Manufacturing Engineering AJME ISSN 1583-7904 ISSUE 3/ 2011, Pag 26-32, [SCOPUS]	3.75
TOTAL Puncte A2.2.		65,25

2.3 Articole în reviste / Proceedings naționale / internaționale neindexate

Nr.	Titlu	Punctaj
1	Coman A., Berce P., Bere P. , Rodean S, Mould silicone ruber reinforcement whith strenght structure used for investment casting', The 6th - International conference on Manufacturing Science and Education, MSE, 2013, Sibiu, Romania, Pag 1-4	1
2	Bere P. ; Berce, P.; Nemes, O.; Sabau, E.; Cordos, N.; Popescu, A., Carbon/epoxy composite bent tubes with variable section manufacturing method, 13th-International Scientific Conference Automation In Production Planning And Manufacturing 02. – 04. May 2012 Žilina – Turčianske Teplice, Slovak Republic, ISBN 978-80-89276-35-6. pag. 26-31	0.6
3	Bere P. , Berce P. Iancău H., Sabau E., Research regarding the delamination of carbon/epoxi composites plates, Modern Technologies in Manufacturing Conference 06-08 oct. 2011 Universitatea Tehnică din Cluj-Napoca	1
4	Bere P. , Iancău, H., Hancu, L., Popescu, A, Considerations regarding the mechanical behavior of the composite material tubes., The 9th International MteM Conference, 8 - 10 October 2009, Cluj-Napoca, ISBN 973-656-490-8,	1
5	Nemeş, O., Iancău, H., Bere, P. , Stress analysis in adhesive joints, The 6th International MTeM Conference, 2-4 October 2003, Cluj-Napoca, ISBN 973-656-490-8, pp. 329-330,	1.33
6	Iancău H., Bere P. , Hancu L, Considerații privind fabricația tuburilor din materiale compozite polimerice, A III-A Conferință multidisciplinară- cu participare internațională „Profesorul Dorin PAVEL - fondatorul hidroenergeticii românești” Sebeș 2003	1.33

Nr.	Titlu	Punctaj
7	Iancu H., Crai A, Popescu C., Bere P. , Concerning to resin termosetting flow of composite structures manufacturing through „resin transfer molding, Mechanical Engineering 2006, Proceedings of Abstracts, Bratislava, November 23th 2006, ISBN 80-227-2513-7	1
8	M., Suci, P. Bere , L. Suci, L. Ghiolțean, M. Tripa, D. Paunescu, G. Bâlc, A. Creț, M. Bejan, H. Iancău, Considerații privind calculul unui tub compozit stratificat, A VI-a Conferință multidisciplinară- cu participare internațională „Profesorul Dorin PAVEL-fondatorul hidroenergeticii românești” Sebeș 2006, ISBN 10 973-8130-82-4	0.4
9	P. Bere , P. Berce, H. Iancău, E. Sabău, C. Florea, Research regarding mechanical characteristics of tubes from polymer matrix composite materials, XXV. MicroCAD 2011 International Scientific Conference, Miskolc, Ungaria ISSN 978-661-964-0 pag.1-5	0.8
10	Popescu, A. Grozav, S. Radu, A., Bere, P. , Ceclan, V, Experimental and theoretic research regarding extrusion optimization for reinforced polyamide (PA 6.6 – 20 %GF), 13th-International Scientific Conference Automation In Production Planning And Manufacturing 02. – 04. May 2012 Žilina – Turčianske Teplice, Slovak Republic,13th, ISBN 978-80-89276-35-6. pag. 184-187	0.8
11	Sabău, E.; Bâlc, N., Bere, P. ; Grozav S, Delamination process of fibre glass reinforced polymer composite materials, 13th-International Scientific Conference Automation in Production Planning and Manufacturing 02. – 04. May 2012 Žilina – Turčianske Teplice, Slovak Republic,13th, ISBN 978-80-89276-35-6. pag. 212-215,	1.33
12	Emilia Sabău, Nicolae Bâlc, Liana Hancu, Paul Bere , Răzvan Prună, Research regarding the influence of manufacturing on the Mechanical Characteristics of Composite Materials, XXV. MicroCAD 2011 International Scientific Conference, Miskolc, Ungaria, ISSN 978-661-964-0 pag. 47-51	1
13	Claudiu FLOREA, Horatiu IANCAU, Adrian POPESCU, Melinte SIMION, Paul BERE, Considerations regarding the manufacturing of the composite structures using the RTM process, COMAT 2010;92-96	1
14	Emilia Sabau, Horatiu Iancu, Liana Hancu, Paul Bere , Constantin Popescu, The maximum delamination force at different types of composite structures Annals of DAAAM & Proceedings, 2008,	1
15	Cristian Dulescu, Paul Bere and Călin Neamțu, Structural analysis of an electric car chassis by numerical and experimental methods. INNOVATIVE MANUFACTURING ENGINEERING & ENERGY INTERNATIONAL CONFERENCE, IMANEE 2022, 17-19 November 2022, Iasi, Romania.	1,33
16	Antoni Turcu Cosmin Darab; Paul Bere Alexis, Polycarpou Dan Doru Micu, Dielectric Characteristics of Composite Electrical Insulating Materials for, Energy Efficiency Increase, The 13th Mediterranean Conference on Power Generation, Transmission, Distribution and Energy Conversion –2022, Malta	1
	TOTAL Puncte A2.3.	15,92

A.2.4 Proprietate intelectuală, brevete de invenție

Nr.	Titlu	Punctaj
1.	Brevet de invenție nr. 128093/29-05-2015 , Procedeu de obținere a plăcilor din materiale compozite polimerice armate cu fibre, Bere P. , Berce P., Nemes O., Balc N.,	5
2.	Brevet de invenție nr.130062/28-02-2017 , Procedeu si material compozit pentru realizarea plăcilor sintetice ornamentale, Sabău E, N. Bâlc, Bere P.	6.66

3.	Brevet de Invenție nr. 133074/30.12.2021 , Compoziție de rășină de impregnare, material compozit și metodă de fabricație a implanturilor cranio-faciale, Rotar H. Băciuț G. Lazăr M. Prejmerean C. Moldovan M., Prodan D., Bâlc N. Bere P.	2.5
Total puncte A2.4		14.16

2.5 Granturi/ proiecte câștigate prin competiție sau contracte cu mediul socio-economic

Profesor Minim 2 Director sau 2 Responsabil Realizat 4 Director și 2 Responsabil

2.5.1 Director/Responsabil

1. **Director** la proiectul 96 BG de tip PN-III-CERC-CO-BG-2016, BRIDGE GRANT, cu titlul „**Optimizarea materialelor compozite polimerice armate cu fibre și a tehnologiei de fabricație utilizate în construcția elementelor de caroserie pentru vehicule electrice**”, 2016, UEFISCDI. Valoare **100 000 Euro** dovada **DMCDI**

100 puncte

2. **Director** Contract de cercetare internațională cu titlul, „Design and modeling of complex surfaces made of composite materials using Catia V5 R20 software” partener Kodewa GmbH. Germania. NO. 3057 05.02.2015. Valoare **10 800 Euro**, dovada **DMCDI**

21.6 puncte

3. **Director** Contract de cercetare, dezvoltare, inovare cu titlul „Cercetări teoretice și experimentale privind realizarea unui autovehicul electric de mici dimensiuni destinat traficului urban” contract nr 16 din 23.02.2016 între UTCN și firma ATRACORE SA. Cluj Napoca, Valoare 58333 lei =11666 euro, dovada **DMCDI**

11,6 puncte

4. **Director** Contract de cercetare științifică cu titlul „Cercetări teoretice și experimentale privind realizarea plăcilor din fibre de carbon în matrice epoxidică” nr. contract 161 din 15.03.2012, dintre UTCN și Institutul Oncologic „Prof. Dr. Ion Chiricuță” IOCN valoare 300 euro dovada **DMCDI**

3 puncte

5. **Responsabil** Contract de cercetare UTCN „Cercetări teoretice și experimentale privind dezvoltarea și fabricația inovativă a mașinilor de curse Formula 1” director Nicolae Bâlc, Contract nr. 234 din 2013 valoare 6500 euro, dovada **DMCDI**

13 puncte

6. **Responsabil partener UTCN** Proiect cu titlul „Tehnologii avansate pentru vehicule electrice urbane inteligente URBIVEL” Contractul de finanțare nr. 11/01.09.2016, aferent cererii de finanțare nr. 11/01.09.2016, cod SMIS2014+ 105565, Paul Bere responsabil la Contractul subsidiar 7 cu titlul „Proiectarea structurii mecanice a unui autovehicul electric urban cu două locuri utilizând materiale compozite avansate”, CS 7/09.02.18 cu Belco Avia/ UTCN

Valoare totală 1.799 988 lei=387 094 Euro Dovada contract anexat **386.26 puncte**

Total A 2.5.1. Director/responsabil proiecte **535,46**

2.5.2 Membru în echipă

Proiecte Internaționale		Punctaj
1.	Membru in proiectul FP7 AdM-ERA 2011-2014, Director Prof. dr. ing. BÂLC N, Additive Manufacturing for Medical Application, valoare 555 645 Euro, http://fp7-admera.org/ , finanțat de Uniunea Europeană 3 ani, dovada DMCDI	12

2.	Membru în proiectul Research on developing of F1 car, Contract internațional nr. 28484/05.11.2012, director contract: Nicolae Bâlc, între UTCN și firma KODEWA GmbH Germania, finalizat în 2013 dovada DMCDI	8
3.	Membru în proiectul AMaTUC Orizont 2020 Director Prof. dr.ing. BÂLC N, Valoare 999443 Euro, http://www.amatuc.com/ 4 ani dovada DMCDI	16
4	Membru în proiectul Flux solar sintering of novel carbon fiber sintering AISi10Mg metal matrix composites, Solar CAIMMC Grant no. 823802, at IMDEA Materials, Institute-IMDEA Energy, Spain, Madrid. Proiect finanțat de Uniunea Europeană, H2020, Research and Innovation Programme under Grant Agreement no. 823802, Solar Facilities for the European Research Area, SFERA III, director de proiect Conf. dr. ing. Răzvan Udriș, perioada 2020-2021, buget 12658 euro; dovada anexata	8
5	Membru în proiectul Research In Advanced Reinforced Polymer Composites Project, „The project/research will be financed in the framework of the project Lublin University of Technology – Regional Excellence Initiative, funded by the Polish Ministry of Science and Higher Education contract no. 030/RID/2018/19, perioada 2021, buget 33 259,43 zł echivalent a 7214 euro, dovada anexata	8
Proiecte Naționale		
1.	Membru în proiectul Proiectarea și optimizarea lateralelor de canapea în vederea realizării prin termopresare din materiale compozite pe bază de fibre vegetale, director de proiect Conf. dr. ing. Ciupan Emilia, PTE 23/2016, UEFISCDI, CM 38976/10.11.2016; perioada 2016-2018 dovada DMCDI	6
2.	Cercetător post-doctoral, în proiectul 4D-POSTDOC – Titlul: „Cercetări privind fabricația rapidă a pieselor din materiale compozite armate”, perioada, 2010-2013, sursa de finanțare: Fondul Social European prin Programul Operațional Sectorial pentru Dezvoltarea Resurselor Umane 2010 – 2013, https://www.4dpostdoc.utcluj.ro , valoare 20.941.500 lei, dovada anexata	8
3.	Membru în proiectul PN-II-PT-PCCA-2013-4-0917, Contract nr 115/2014 „Implanturi cranio-faciale personalizate obținute prin prototipare inovativă 3D din materiale compozite ranforsate cu fibra de sticlă”, valoare 250 000 lei, UEFISCDI, dovada DMCDI	4
4.	Membru în proiectul Crearea unui centru de excelență în domeniul materialului compozit la SC TAPARO SA, responsabil UTCN Conf. dr. ing. Ciupan Emilia, proiect co-finanțat din Fondul European de Dezvoltare Regională prin Programul Operațional Competitivitate 2014-2020., Axa Prioritară 1 "Cercetare, dezvoltare tehnologică și inovare (CDI) în sprijinul competitivității economice și dezvoltării afacerilor, Cod My Smis: 121434, perioada 2020-2023, buget total proiect 48.302.829,12 lei; dovada anexata	6
5.	Membru în proiectul 99BG/2016 Popan Alexandru, cu titlul „Dezvoltarea posibilităților de prelucrare a materialelor compozite avansate prin taiere de precizie cu jet de apă”, CM 39038/17.11.2016, dovada DMCDI	4
6.	Membru în proiectul Cercetarea, proiectarea, și dezvoltarea vehiculelor electrice ecologice realizate din materiale compozite avansate, echipate cu panouri fotovoltaice și realizarea unei linii de asamblare în vederea obținerii produsului final, director proiect, Prof.dr.ing Călin Neamțu, proiectul este finanțat prin POR 2014-2020, Axa Prioritară 1: Promovarea transferului tehnologic, Prioritatea de Investiții, contractul nr 39412/31.12.2021, cod SMIS 136062, perioada 2022-2023, buget UTCN 1.143.600,71 lei; dovada DMCDI	8

7.	Membru în proiectul Pat de spital inteligent, director de proiect Prof. dr. ing Mihai Dragomir, 345PED/10/08/2020 (PN-III-P2-2.1-PED-2019-5430) UEFISCDI, buget 600.000 lei, perioada 2021-2023. dovada DMCDI	4
8.	Membru în proiectul cu titlul „Tehnologii avansate pentru vehicule electrice urbane inteligente URBIVEL” Contractul de finanțare nr. 11/01.09.2016, aferent cererii de finanțare nr. 11/01.09.2016, cod SMIS2014+ 105565, Contractul subsidiar 5 cu titlul „Dezvoltarea experimentală a unei surse energetice de înaltă eficiență destinată grupului propulsor ai unui autobuz electric” valoare 1836424 lei, perioada 5 ani dovada anexata	10
9.	Membru în proiectul cu titlul „Tehnologii avansate pentru vehicule electrice urbane inteligente URBIVEL” Contractul de finanțare nr. 11/01.09.2016, aferent cererii de finanțare nr. 11/01.09.2016, cod SMIS2014+ 105565, Contractul subsidiar 6 cu titlul „Cercetări cu privire la un nou concept de ramă electrică suburbană usoara perioada 5 ani, dovada anexata	10
10	Membru în proiectul cu titlul „Sistem tip exoschelet pentru augmentare umană” director proiect, Prof.dr.ing. Doina Pasla. Contract MAPN 1PSCD/2022, perioada 4 ani, dovada anexata	8
11	Membru în proiectul cu titlul „ Ecological method for recyclable wastes valorization” director proiect Prof. dr. ing. Ovidiu Nemes, nr, 19249/2020 perioada 2 ani, dovada anexata	4
12	Membru în proiectul cu titlul „Tehnologii avansate pentru vehicule electrice urbane inteligente URBIVEL” Contractul de finanțare nr. 11/01.09.2016, aferent cererii de finanțare nr. 11/01.09.2016, cod SMIS2014+ 105565, durata de desfășurare 6 ani 2016-2022 dovada anexata	12
Total A. 2.5.2 Membru in proiecte		136
Total 2.5. Granturi/Proiecte		671,46 puncte

2.6 Coordonare / dezvoltare laborator / centru de cercetare

1	Dezvoltare laborator Materiale plastice și Compozite la Cluj, Alba Iulia, Zalău	40X3 puncte 120
2	Dezvoltarea laborator de cercetare avansata la Cluj-Napoca, SIMTEX	40
Total		160 puncte

Total A2 Activitate de cercetare 1400,84 puncte

A3. Recunoașterea și impactul activității

3.1 Vizibilitate in baze de date internaționale

3.1.1 Citări în articole reviste ISI

Articol citat		
Iancu H., Bere P., Borzan M., Hancu L, Crai A., The Influence of Reinforced Materials and Manufacturing Procedures on the Mechanical Characteristics of Polymeric Composite Materials, in MATERIALE PLASTICE, vol. 45, no. 3, pp. 251-256, 2008		
Articole care citează		Punctaj
1	Radu A; Nemeș, O; Leordean, V; Bâlc, N, Resin type influence on moulded parts final dimensions, Studia Universitatis Babes-Bolyai, Chimia . Jun2015, Vol. 60 Issue 2,Tom2, p219-228.	2

2	N. Panc, L. Hancu, and N. Balc, Research Regarding the Improvement of the Performance of Rubber Dies, Proceedings of the World Congress on Engineering 2011 Vol IWCE 2011, July 6 - 8, 2011, London, U.K.	2
3	Corabieru, P; Velicu,; Corabieru, A; Vasilescu, DD; Voda, M, Research on the Wearing Resistance of Quaternary Alloys Covered with Polyester, MATERIALE PLASTICE, Volume: 46, Issue: 1, Pages: 16-20 Published: 2009	2
4	Hancu, Liana Livia; Comsa, Sorin, Numerical Simulation of Sheet Metal Bending with Deformable Pads Made of Reinforced Silicon Rubbers, MATERIALE PLASTICE Volume: 48 Issue: 4 Pages: 336-340 Published: DEC 2011	2
5	Zgaverdea, A. C., & Ratiu, S. A. (2021). "Green Carbon" from Algae for Automotive Applications. MATERIALE PLASTICE, 58(1), 186-200.	2
6	Ciupan, E., Ciupan, C., Câmpăan, E. M., Stelea, L., Policsek, C. E., Lungu, F., Jucan, D. C. (2018). Opportunities of Sustainable Development of the Industry of Upholstered Furniture in Romania. A Case Study. Sustainability, 10(9), 3356.	2
7	Ciupan, C., Steopan, M., Emanuela, P. O. P., Campean, E., Filip, I., & CIUPAN, E. C. (2018). Comparative analysis of different ribs used to rigidize the resistance structure of a sofa side made of composite materials based on vegetable fibers. Acta Technica Napocensis-Series: Applied Mathematics, Mechanics, and Engineering, 61(1).	2
8	Mitelea, I., Varzaru, N., Bordeasu, I., & Popescu, M. (2009). The high frequency welding aptitude of thermoplastic polymers. Materiale Plastice, 46(1), 101-107.	2
9	POPESCU, Adrian, et al. DETERMINATION OF THE MECHANICAL CHARACTERISTICS OF POLYAMIDE 6.6 PLASTIC REINFORCED WITH SHORT GLASS FIBERS 30%. ACTA TECHNICA NAPOCENSIS-Series: APPLIED MATHEMATICS, MECHANICS, and ENGINEERING, 2022, 65.2.	2
Total articol		18

Articol citat

Bere P, Berce P, Nemes N., Phenomenological fracture model for biaxial fibre reinforced composites, in Composites Part B-Engineering, vol. 43, no. 5, pp. 2237-2243, 2012

Articole care citează		Punctaj
1	Ivan Buranský, Ladislav Morovič, Jozef Peterka, Engineering for Redesigning and Manufacturing of a Printer Spare Part, Advanced Materials Research (Volumes 690-693, http://www.scientific.net/AMR.690-693.2708	3,33
2	R Brighenti, A Carpinter, Mechanics of interface debonding in fibre-reinforced materials, - Journal of Composite materials Vol 50, Issue 19, 2016 , 2016 – journals.sagepub.com	3,33
3	T Shi, W Chen, C Gao, J Hu, B Zhao, P Wang, Biaxial strength determination of woven fabric composite for airship structural envelope based on novel specimens, Composite Structures Volume 184, 15 January 2018, Pages 1126-1136	3,33
4	Nabialek, Marcin, Mossbauer Studies of Rapid Cooled Amorphous Iron Alloys in as Cast State, REVISTA DE CHIMIE Volume: 69 Issue: 1, Pages: 148-151, Published: JAN 2018	3,33
5	Tang, J., Zhou, G., Wang, X., Li, C., & Silberschmidt, V. V. (2017). Failure analysis of plain woven glass/epoxy laminates: Comparison of off-axis and biaxial tension loadings. Polymer Testing, 60, 307-320.	3,33
6	Papadatu C, Penelopi S, Ioan G; Bordei M; et al., Evolution of the Plasticity of Some Low Carbon Steels, Subjected to Directed Cooling from High-temperature, MATERIALE PLASTICE, Volume: 54, Issue: 4, Pages: 759-763, Published: DEC 2017	3,33

7	Shirinbayan, M., Fitoussi, J., Bocquet, M., Meraghni, F., Surowiec, B., & Tcharkhtchi, A. (2017). Multi-scale experimental investigation of the viscous nature of damage in Advanced Sheet Molding Compound (A-SMC) submitted to high strain rates. <i>Composites Part B: Engineering</i> , 115, 3-13.	3,33
8	Sabau E; Popescu A; Vilau C., Mechanical behavior of composite materials using the finite element analysis, MODERN TECHNOLOGIES IN MANUFACTURING (MTEM 2017 – AMATUC) Book Series: MATEC Web of Conferences, Volume: 137, Article Number: UNSP 08006, Published: 2017	3,33
9	Păcurar, R., Păcurar, A. Finite element analysis to improve the accuracy of parts made by stain less steel 316L material using selective laser melting technology, (2014) <i>Applied Mechanics and Materials</i> , 657, pp. 236-240.	3,33
10	L Morovič, J Peterka, I Buranský, Application of Reverse Engineering for Redesigning and Manufacturing of a Printer Spare Part, <i>Advanced Materials Research</i> (Volumes 690 - 693), Pages 2708-2712, DOI 10.4028/www.scientific.net/AMR.690-693.2708,	3,33
11	Shi, C., Shi, G., & Li, H. (2019). Simulation and analysis of mechanical behavior of groove-shaped over-squeezing during mechanical ruling. <i>International Journal of Precision Engineering and Manufacturing</i> , 20(7), 1107-1118.	3,33
12	Jiang, H., & Liu, C. Y. (2019). Scheduling optimization of cloud resource supply chain through multi-objective particle swarm optimization. <i>International Journal of Simulation Modelling</i> , 18(1), 163-174.	3,33
13	Sliwa, A., Gros, D., Sandu, A. V., & Nabialek, M. (2018). Optimization and Numerical Anlysis of Mechanical Properties of Connecting Rod in the Internal Combustion Engine. <i>Rev. Chim.(Bucharest)</i> , 69, 2813-2815.	3,33
14	Szota, M. (2018). Three-layer Permutation of the Phonionic Structure and the Influence of the Environment. <i>Revista de Chimie</i> , 69(9), 2571-2574.	3,33
15	Pietrusiewicz, P., Nabialek, M., & Jez, B. (2018). Structural And Magnetic Relaxation Of Fe 61 Co 10 Y 8 Mo 1 B 20 Bulk Amorphous Alloy Obtained Using Two Methods. <i>Revista de Chimie</i> , 69(8), 2097-2101.	3,33
16	Platon, M. A., Ștef, M., Popa, C., Tiuc, A. E., & Nemeș, O. (2018, June). Research on Recycling Mixed Wastes Based on Fiberglass and Organic Resins. In <i>IOP Conference Series: Materials Science and Engineering</i> (Vol. 374, No. 1, p. 012065). IOP Publishing.	3,33
17	Moldovan, M. A., Bosca, A. B., Roman, C. R., Rotaru, HORATIU., Prejmorean, C., Prodan, D. Ghergie, M. C. (2020). Bone Reaction to a Newly Developed Fiber-reinforced Composite Material for Craniofacial Implants. <i>Materiale Plastice</i> , 57, 131-139.	3,33
18	Enachescu, G., & Stefanescu, M. F. (2016). Modeling Heat Transfer Phenomenon for Smart Composite Materials. <i>Materiale plastice</i> , 53(2), 198-201.	3,33
19	Nejneru, C., Savin, C., Perju, M. C., Burduhos-Nergis, D. D., Costea, M., & Bejinariu, C. (2019, July). Studies on galvanic corrosion of metallic materials in marine medium. In <i>IOP Conference Series: Materials Science and Engineering</i> (Vol. 572, No. 1, p. 012106). IOP Publishing.	3,33
Total articol		63,27
Articol citat		
Bere, P; Neamtu, C and Udriou, R, Novel Method for the Manufacture of Complex CFRP Parts Using FDM-based Molds. Oct 2020 POLYMERS 12 (10)		
Articole care citează		
1	Bulanda, K., Oleksy, M., & Oliwa, R. (2022). Polymer Composites Based on Glycol-Modified Poly (Ethylene Terephthalate) Applied to Additive Manufacturing Using Melted and Extruded Manufacturing Technology. <i>Polymers</i> , 14(8), 1605.	3,33

2	Udroiu, R. (2022). New Methodology for Evaluating Surface Quality of Experimental Aerodynamic Models Manufactured by Polymer Jetting Additive Manufacturing. <i>Polymers</i> , 14(3), 371.	3,33
3	Ferretti, P., Santi, G. M., Leon-Cardenas, C., Freddi, M., Donnici, G., Frizziero, L., & Liverani, A. (2021). Molds with advanced materials for carbon fiber manufacturing with 3D printing technology. <i>Polymers</i> , 13(21), 3700.	3,33
4	Günther, D., Erhard, P., Schwab, S., & Taha, I. (2021). 3D Printed Sand Tools for Thermoforming Applications of Carbon Fiber Reinforced Composites—A Perspective. <i>Materials</i> , 14(16), 4639.	3,33
5	Bulanda, K., Oleksy, M., Oliwa, R., Budzik, G., Przeszlowski, Ł., Fal, J., & Jesionowski, T. (2021). Polymer Composites Based on Polycarbonate (PC) Applied to Additive Manufacturing Using Melted and Extruded Manufacturing (MEM) Technology. <i>Polymers</i> , 13(15), 2455.	3,33
6	Sing, SL and Yeong, WY., Process-Structure-Properties in Polymer Additive Manufacturing, Apr 2021 POLYMERS 13 (7)	3,33
7	Józwik, J., & Dziedzic, K. (2021). Digital Shape and Geometric Dimension Analysis of Polymer Fuel Tanks. <i>Advances in Science and Technology. Research Journal</i> , 15(4).	3,33
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Total Articol		2.5

Articol citat

S. Solcan, R. Rozsos, Bere P., V. Nicolae, G. Daniel, C. Neamtu, Designing a car seat for electrical car, Acta Technica Napocensis-Series: Applied Mathematics, Mechanics, and Engineering, vol. 62 (4), 2019, ISSN 1221 – 5872, ISI, [WOS]

Articole care citează		Punctaj
1	Andreescu, D. O. (2020). De la schiță la produs prin ergonomie. Caiete de Arte și Design, 8(8), 18	0.83

Articol citat

M Simion, C Dudescu, Bere P., C Cocean, Material parameters identification of carbon fibres composites with strain gauges, Acta Technica Napocensis-Series: Applied Mathematics, Mechanics, and Engineering, vol. 62 (3) 2019, ISSN 1221 – 5872, ISI, [WOS]

Articole care citează		Punctaj
1	Bosoancă, R. (2021). Cercetări privind caracteristicile mecanice ale materialelor compozite armate cu țesături și matrice polimerică cu gradient	1.25

	de elasticitate (Doctoral dissertation, Universitatea" Dunărea de Jos" din Galați).	
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Bere P, Berce P, Nemeş O., Sabău E, Research regarding the mechanical characteristics of carbon/epoxy composites, Academic Journal of Manufacturing Engineering AJME ISSN 1583-7904 ISSUE 3/ 2011, Pag 26-32, [SCOPUS]

Articole care citează		Punctaj
1	Grozav, S. D., Ceclan, V. A., Turcu, A., & Oprea, O. V. (2015). Kinematic Process Plastic Cold Orbital Forming. In Applied Mechanics and Materials (Vol. 808, pp. 98-103). Trans Tech Publications Ltd.	1.25

Articol citat

Miturska-Barańska I., Józwiak J, Bere P. Effect of Face Milling Parameters of Carbon Fiber Reinforced Plastics Composites on Surface Properties
Advances in Science and Technology, 2022, 16 (2), 26-38 ISI, 0.36, Q3

Articole care citează		Punctaj
1	Doluk, E., & Rudawska, A. (2022). Effect of Machining Settings and Tool Geometry on Surface Quality After Machining of Al/CFRP Sandwich Structures. <i>Advances in Science and Technology. Research Journal</i> , 16(3), 22-33.	1.66

Articol citat

E Sabău, C Vilău, P Bere, A Popescu, Finite element simulation of delamination process in composite materials, MATEC Web of Conferences Journal, Modern Technologies in Manufacturing (MTeM 2019) vol 299, p. 06005, 2019,
<https://doi.org/10.1051/mateconf/201929906005>, ISI [WOS]

Articole care citează		Punctaj
1	SAVANE, Vishal D.; MOECKER, Torsten; DREAU, Martin. Parametric Composite Defect Template for Urban Air Mobility. In: AIAA AVIATION 2022 Forum. 2022. p. 3512.	1.66

Articol citat

S Solcan, C Neamtu, Bere P., R Ghinea, R Rozsos, P Attila, Using composite materials for dashboard design of an electric car, Acta Technica Napocensis-Series: Applied Mathematics, Mechanics, and Engineering, vol. 61 (3) 2018, ISSN 1221 – 5872, ISI [WOS]

Articole care citează		Punctaj
1	Shinde, N. G., & Patel, D. M. (2020, March). A short review on automobile dashboard materials. In IOP Conference Series: Materials Science and Engineering (Vol. 810, No. 1, p. 012033). IOP Publishing.	0.83

Articol citat

Neamtu C., Bere C., Dobocan C., Ghinea R., Solcan S., Mold Design For Polystyrene Plastic Anchor, Applied Mechanics And Materials, Vol. 808, pp. 143-148, Nov. 2015 ISBN 978-3-03835-653-0

Articole care citează		Punctaj
1	Morar, C., & Popescu, A. (2017). The design of a plastic injection mold for the part "tensile test specimen". ACTA TECHNICA NAPOCENSIS-Series: APPLIED MATHEMATICS, MECHANICS, and ENGINEERING, 60(2).	0.83

Articol citat

Cordos N., Bere P., Nemes O., Effects of 2-ethylhexyl nitrate on auto-ignition and combustion qualities of rapeseed oil, in Studia Universitatis Babes-Bolyai Chemia, vol. 57, no. 1, pp. 175-184, 2012

Articole care citează		Punctaj
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1	Menezes, M. F. B., Freitas, R. H., Delboux, V., Duarte, V. S. P., Azevedo, W. P., & Pereira, M. A. (2022). Estudo dos efeitos dos aditivos no Biodiesel Study of the effects of additives in Biodiesel. Brazilian Journal of Development, 8(1), 937-961.	1,66
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Articol citat

Bere, P., Popescu, A., Dudescu, C., Hancu, L, Influence of the stacking sequence on the mechanical proprieties of glass fiber reinforced polymer, Volume 112 (2017) MATEC Web Conf., 112 (2017) 04006

Articole care citează

		Punctaj
1	Farrugia, N., Camilleri, D., Ellul, B., & Muscat, M. (2022, July). Filament Wound Composite Pipes Subject to Torsion and Bending Loads. In Pressure Vessels and Piping Conference (Vol. 86151, p. V002T03A004). American Society of Mechanical Engineers.	1,66

Articol citat

Lazar, M.-A., Rotaru, H., Prodan, D, Roman, C.R., Câmpian, R.S. Bere P Evaluation of the morphology and structure of e glass fiber-reinforced composites for cranio-facial bone reconstruction, Studia Universitatis Babes-Bolyai, Chimia, 61/2, 2016, p 249-260.

Articole care citează

		Punctaj
1	Drobina, R., & Malkiewicz, J. AIE Editor dr hab. in2. Robert Drobina, prof. ATH.	0,83

	Total A 3.1.2. BDI	158,67
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Total punctaj A3.1. Vizibilitate in baze de date citări 883,36 puncte

3.2 Prezentări invitate în plenul unor manifestări științifice naționale și internaționale, și profesor invitat

3.2.1. Internaționale

1. Prezentări de cursuri ca și profesor invitat la University of Technology Poznan Faculty of Mechanical Engineering, Polonia, 2015 **20 puncte**

2. Prezentări ca și Profesor invitat la Compania Porsche Engineering Group Germania, 2016, **20 puncte**

3.2. Total 40 puncte

3.3 Membru în colectivele de redacție sau comitetele științifice al revistelor și manifestărilor științifice, organizator de manifestări științifice

3.3.1 ISI (10 Puncte)

1. Membru în Comitetul științific al Advanced in Science and Technology Journal ISSN2299-8624, Jurnal ISI <http://www.astrj.com/Scientific-Board,57.htm>
2. Membru în Comitetul științific al 13th International Conference on Modern Technologies in Manufacturing (MTeM-AMaTUC) Location: Cluj Napoca, ROMANIA, 2017, <https://mtem.utcluj.ro/committees/> volum indexat ISI
3. Membru în Comitetul științific al 14th International Conference on Modern Technologies in Manufacturing (MTeM-AMaTUC) Location: Cluj Napoca, ROMANIA, 2019, <https://mtem.utcluj.ro/committees/> volum indexat ISI
4. Reviewer în 12th International Conference on Modern Technologies in Manufacturing (MTeM-AMaTUC) Location: Cluj Napoca, ROMANIA, 2015, <https://mtem.utcluj.ro/committees/> volum indexat ISI

5. Reviewer în 13th International Conference on Modern Technologies in Manufacturing (MTeM-AMaTUC) Location: Cluj Napoca, ROMANIA, 2017, <https://mtem.utcluj.ro/committees/> volum indexat ISI
6. Reviewer în 14th International Conference on Modern Technologies in Manufacturing (MTeM-AMaTUC) Location: Cluj Napoca, ROMANIA, 2019,
7. Reviewer în Polymers An Open Access Journal, ISSN: 2073-4360, Q1, MDPI
8. Reviewer în Materials An Open Access Journal ISSN: 1996-1944, Q, MDPI
9. Reviewer în Journal of Composites Science, ISSN 2504-477X, MDPI
10. Reviewer in Applied Science An Open Access Journal ISSN: 2076-3417, MDPI
11. Reviewer în Journal of Composite Materials, ISSN 0021-9983, Q2
12. Reviewer în, The International Journal of Advanced Manufacturing Technology, ISSN: 0268-3768 (print); 1433-3015, Q2
13. Reviewer in Advances in Science and Technology Research Journal, ISSN 2299-8624, Jurnal ISI
14. Reviewer in Acta Technica Napocensis-series: Applied Mathematics, Mechanics, and Engineering,
15. Reviewer in the Metrology for AeroSpace, IEEE 9th International Workshop on (MetroAeroSpace) Conference, Pisa Italia, 2022

3.3.1. Total 150 puncte

Indexate BDI (8 Puncte)

1. Membru în comitetul științific și reviewer in conference "Novel Trends in Production Devices and Systems IV" Slovacia, Materials Science Forum, Vol 826, Trans Tech Publications, ISBN 978-3-03835-728-5, <https://www.scientific.net/SC>,
2. Comitetul Științific la Conferința "Engineer of XXI Century" Inter-disciplinary Student Research Group at the Faculty of Mechanical Engineering and Computer Science of ATH.– 2019, University of Bielsko-Biala (ATH) in Bielsko-Biala, Poland., ISBN 978-83-66249-23-3, <https://www.engineerxxi.ath.eu/scientific-and-organizing-committee/>;
3. Reviewer in Journal of Mechanics Engineering and Automation (Print ISSN: 2159-5275; Online ISSN: 2159-5283, USA) United States by David Publishing Company, <http://www.ethanpublishing.com/>
4. Reviewer in International Journal of Mechanical Engineering and Automation (IJMEA). ISSN: 2333-9179 (Print), ISSN: 2333-9187 (Online), IJMEA, USA Ethan Publishing Company, www.ethanpublishing.com,

3.3.2 Total 32 puncte

3.5 Premii

3.5.3 Premii Internaționale

1	Diplomă de Excelență, Improving the design of a wind turbine blad, Rareș Ghinea, Paul Bere , Călin Neamțu, International Conference on Production Research – Regional Conference Africa, Europe and the Middle East and 3rd International Conference on Quality and Innovation in Engineering and Management, 2014;	10
2	Paul Bere For Excellent paper at the 12 th international Conference on Modern Technologies in Manufacturing, 2015 Cluj-Napoca, Secțiunea Process of Plastic and Composite Materials,	10
3	Award Certificate for paper Design and manufacturing front hood for electric vehicle by carbon fibre, Paul Bere , Calin Neamtu Cristian Dudescu, IManE Confernece Iasi 2017	10
4	Medalia de argint pentru brevetul Procedeu și dispozitiv de obținere a plăcilor din materiale compozite polimerice armate cu fibre, Paul Bere , Petru Berce, Ovidiu Nemeș, Nicolae Bâlc, 2017, Expoziția Internațională Specializată, INFOINVENT, Chișinău	10

5	Diplomă de excelență a Universității Tehnice a Moldovei, pentru brevetul Procedu și dispozitiv de obținere a plăcilor din materiale compozite polimerice armate cu fibre, Paul Bere , Petru Berce, Ovidiu Nemeș, Nicolae Bâlc, Salonul Internațional de Inventică PROINVENT 2013	10
6	Medalia de bronz pentru brevetul Procedu și dispozitiv de obținere a plăcilor din materiale compozite polimerice armate cu fibre, Paul Bere , Petru Berce, Ovidiu Nemeș, Nicolae Bâlc, 2013, PROINVENT	10
7	Medalie de aur, Procedu și material compozit pentru realizarea plăcilor sintetice ornamentale, Emilia Sabău, Bâlc Nicolae, Paul Bere , The XVIII-The International Exhibition of Research, Innovation and Transfer INVENTICA 2014;	10
8	Medalie de aur, Method and device for obtaining composite reinforced polimeric plates, Paul Bere , Petru Berce, Ovidiu Nemeș, Nicolae Bâlc, The XVIII-Th International Exhibition of Research, Innovation and Transfer INVENTICA 2013;	10
9	Diplomă de excelență și Medalie de aur, pentru brevetul Procedu și dispozitiv de obținere a plăcilor din materiale compozite polimerice armate cu fibre, Paul Bere , Petru Berce, Ovidiu Nemeș, Nicolae Bâlc, Salonul Internațional de Inventică PROINVENT, 2016	10
10	Premiul Manufacturing Science in Education, 2013, V1 Emission no 12150613, „Lucian Blaga” University of Sibiu, Paul Bere , International Polymer Processing Conference IPPC 2013 Sibiu	10
11	The Politehnica Inovation Award, for Method and device for obtaining composite reinforced polimeric plates, Paul Bere , Petru Berce, Ovidiu Nemeș, Nicolae Bâlc, EuroInvent 2016	10
12	Diplomă de excelență și Medalie de aur, Procedu și dispozitiv de obținere a pieselor tubulare îndoite cu secțiune variabilă din materiale compozite polimerice armate cu fibre Paul Bere , Petru Berce, Horațiu Iancău, Salonul Internațional de Inventică PROINVENT 2013;	10
13	Medalie de argint, Method and composite material for ornamental synthetic plates manufacturing, Emilia Sabău, Bâlc Nicolae, Paul Bere , European Exhibition of Creativity and Innovation EUROINVENT 2014	10
14	Medalie de aur, Method and device for obtaining composite reinforced polimeric plates, Paul Bere , Petru Berce, Ovidiu Nemeș, Nicolae Bâlc, European Exhibition of Creativity and Innovation EUROINVENT, 2013	10
15	Medalie de aur, Procedure and device to obtaining the bent tubular parts with variable sections from polymeric reinforced fiber composite materials” Paul Bere , Petru Berce, Horațiu Iancău European Exhibition of Creativity and Innovation EUROINVENT 2014	10
16	Medalie de aur, Method and device for obtaining composite reinforced polimeric plates, Paul Bere , Petru Berce, Ovidiu Nemeș, Nicolae Bâlc, Salonul Internațional de Inventică și Inovații „Traian Vuia” Timișoara 2017	10
17	Medalie de aur cu Mențiune Specială, Procedu și dispozitiv de obținere a pieselor tubulare îndoite cu secțiune variabilă din materiale compozite polimerice armate cu fibre Paul Bere , Petru Berce, Horațiu Iancău, Salonul Internațional de Inventică PROINVENT 2014;	10
18	Medalie de aur, Procedu și material compozit pentru realizarea plăcilor sintetice ornamentale, Emilia Sabău, Bâlc Nicolae, Paul Bere , Salonul Internațional de Inventică PROINVENT, 2014	10
19	Medalie de aur cu Mențiune Specială, Procedu și dispozitiv de obținere a pieselor tubulare îndoite cu secțiune variabilă din materiale compozite polimerice armate cu fibre Paul Bere , Petru Berce, Horațiu Iancău, Salonul Internațional de Inventică PROINVENT 2014;	10
20	Medalie de aur, Method for obtaining composite reinforced polimeric plates, Paul Bere , Petru Berce, Ovidiu Nemeș, Nicolae Bâlc, EUROINVENT, 2017	10
	Total puncte	200

3.5.4 Premii naționale în domeniu

1	Medalie de aur a Salonului „Cadet INOVA 16” pentru Procedu și material compozit pentru realizarea plăcilor sintetice ornamentale, Emilia Sabău, Bâlc Nicolae, Paul Bere , Academia Forțelor Terestre „Nicolae Balcescu” Sibiu, 2016	5
2	Mențiune pentru Casca Militară realizată din materiale compozite polimerice armate cu fibre de carbon și Kevlar, Ciorrea C. Bere P. , Concursul Studentesc de creativitate PROINVENT, 2018	5
3	Mențiune pentru Proteza ortopedică realizată din fibra de carbon, Duca M.R. Bere P., Bere P. , Concursul Studentesc de creativitate PROINVENT, 2018	5
4	Diplomă de Excelență pentru Casca Militară realizată din materiale compozite polimerice armate cu fibre de carbon și Kevlar, Ciorrea C. Bere P. , PRO INVENT , 2018	5
5	Diplomă de Excelență pentru Proteza ortopedică realizată din fibra de carbon, Duca M.R., Bere P. , PROINVENT , 2018	5
6	Medalie de Bronz, Procedu și dispozitiv de obținere a plăcilor din materiale compozite polimerice armate cu fibre, Paul Bere , Petru Berce, Ovidiu Nemeș, Nicolae Bâlc, Forumul Inventatorilor Români, FIR Iași România, 2013	5
7	Medalie de aur cu Mențiune Specială, Procedu și dispozitiv de obținere a pieselor tubulare îndoite cu secțiune variabilă din materiale compozite polimerice armate cu fibre Paul Bere , Petru Berce, Horațiu Iancău, Salonul Internațional de Invenții-Inovații „Traian Vuia Timișoara, 2017	5
Total puncte		35

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

Prezentare in plenul Conferinței INNOVATIVE MANUFACTURING ENGINEERING & ENERGY INTERNATIONAL CONFERENCE Iasi 2022, „The materials of the future are manufactured today- Composite materials, applications and perspectives”. Paul Bere, Calin Neamtu, Cristian Dudescu

10 puncte

3.4 Experiență de management, analiză și evaluare în cercetare și/sau învățământ

1. Membru in consiliul facultatii FIIRMP 6 puncte
2. Membru al Comitetului Consultativ Științific Internațional al Consiliului Interdisciplinar a Scolii Doctorale a Universității de Tehnologie din Opole, Polonia 6 puncte

3.6 Membru în academii, organizații, asociații de prestigiu

3.6.4. Membru în asociații profesionale

3.6.4.2. Naționale

1. Membru fondator a Asociației ROCIA (Asociația Producătorilor de materiale compozite din România): 3 puncte

Total A3 Recunoașterea și impactul activității 1206.69 puncte

Data: 15.05.2023

Conf. dr. ing. BERE Paul