Activitatea de cercetare (A2)		
2.4	Proprietate intelectuala, brevete de inventie si inovatie, etc.	
	2.4.1	Internationale
	2.4.2	Nationale

Activitatea de cercetare (A2)
Proprietate intelectuala, brevete de inventie si inovatie, etc./ internationale

Activitatea de cercetare (A2)
Proprietate intelectuala, brevete de inventie si inovatie, etc. / nationale

Subcat. **2.4.2**	Autori	Titlu	Date de identificare (Numar, data, titular etc.)	Tara	Anul	Nr. autori
1	**BUT ADRIAN**, Babescu M.	SISTEM EOLIAN OPTIM DIN PUNCT DE VEDERE ENERGETIC	10651/17.06.2021/BUT ADRIAN	ROMANIA	2021	2
2	PETRESCU S., **BUT ADRIAN**	Noua tehnologie de prelucrare a carcaselor motoarelor electrice pe strunguri cu comenzi numerice	Nr. 4417, 21. 08. 1989 -Electromotor Timisoara	ROMANIA	1989	3
3	JUSCO ALEXANDRU, **BUT ADRIAN**	Dispozitiv gaurire carcasa	Nr. 1009, 30.03.1989-Electromotor Timisoara	ROMANIA	1989	2
4	KATONA IOSIF, **BUT ADRIAN,** PACURAR FLORIN, BORAN CONSTANTIN	Reproiectarea tehnologiei de executie a reperului arbore Gab.-71, NCM-71, MREH 0,25, AE 1, Carcasa MREH 0,25, AG-1-1.1/3000	Nr. 448, 27.03.1990 -Electromotor Timisoara	ROMANIA	1990	4
5	**BUT ADRIAN**	Tehnologie de grup a arborilor motoarelor electrice, executati pe masini cu comana numerica	Nr. 1555, 26.04.1989-Electromotor Timisoara	ROMANIA	1989	1
6	**BUT ADRIAN**, POPA PETRE	Noua tehnologie de prelucrare a scutului volant pe strunguri cu comenzi numerice	Nr. 450, 12.12.1989-Electromotor Timisoara	ROMANIA	1989	2
7	**BUT ADRIAN**	Noua tehnologie de prelucrare a surubului de reglare executat pe strunguri cu comenzi numerice	Nr. 81, 30.11.1990-Electromotor Timisoara	ROMANIA	1990	1
8	**BUT ADRIAN**, JORZ DAN.	Tehnologie de grup a scuturilor motoarelor electrice, executati pe masini cu comana numerica	Nr. 3599, 19.06.1989-Electromotor Timisoara	ROMANIA	1989	2

9	J0RZ DAN, **BUT ADRIAN**	Noua tehnologie de prelucrare a scuturilor pe strunguri cu comenzi numerice -EEN 400	Nr. 77, 09.12.1989-Electromotor Timisoara	ROMANIA	1989	2
10	POPA PETRE, **BUT ADRIAN**	Noua tehnologie de prelucrare a scutului ambreiaj pe strunguri cu comenzi numerice	Nr. 449, 12.12.1989-Electromotor Timisoara	ROMANIA	1989	2
11	**BUT ADRIAN**	Aplicatie a utilizarii microcalculatorului in programarea masinilor unelte cu comanda numerica	Nr. 5124, 09.11.1989-Electromotor Timisoara	ROMANIA	1989	1

Activitatea de cercetare (A2)	
2.2	Articole in **revistele** unor manifestari stiintifice indexate in alte baze de date internationale
	Articole in **volumele** unor manifestari stiintifice indexate in alte baze de date internationale

Activitatea de cercetare (A2)
Articole in revistele unor manifestari stiintifice indexate in alte baze de date internationale

Subcat. 2.2	Autorii	Titlul	Revista	BDI (Baza de date internationala)	ISSN / ISBN	Anul	Vol (Nr.)	Pag. Nr. / Nr. Pagini	Nr. autori
1	**BUT ADRIAN**, Gal L.	Classical and modern methods of manufacturing on CNC milling centers DOI 10.1088/1757-899X/416/1/012093	IOP Conference Series, Materials Science and Engineering,	BDI (SCOPUS)	1757-899X	2018	416	4	2
2	Marnea o.,Ganea M., **BUT ADRIAN**	Identification of prismatic bodyparts through the cloud of points captured on Computer Measuring Machine, DOI 10.1088/1757-899X/1256/1/012002	IOP Conference Series Materials Science and Engineering	BDI (ProQuest)	1757-899X	2022	1256	4	3
3	**BUT ADRIAN**, Luminosu I.	The veining structure method, the finite element method in thermal deformation for the main spindle at numerical control lathe	Thermal Science	BDI (CrossRef, DOAJ)	2683-3867	2005	9	99-110/11	2
4	**BUT ADRIAN**, Popescu C. I. Duma	Welding Corrective Maintenance Solutions for Molds doi:10.4028/p-XuwHj4	Key Engineering Materials Vol. 990	BDI (SCOPUS)	pIISSN 1013-9826 eIISSN 1662-9795	2024	990	4	3
5	Popescu C., **BUT ADRIAN**, I.Duma	Repair of Injection Moulds by Welding for Pre-Hardened 1.2714 Hh Steel doi: 10.4028/p-4bK7B8	Key Engineering Materials Vol. 990	BDI (SCOPUS)	pIISSN 1013-9826 eIISSN 1662-9795	2024	989	4	3
6	Pinca-Bretotean A. M., Miklos I.Z., **BUT ADRIAN**	Influence of temperature on flank wear of cutting tools with a cutting edge	ANNALS of Faculty Engineering Hunedoara – International Journal of Engineering	BDI (CNCS B+, Copernicus, DOAJ, Pro Quest)	ISSN 1584 – 2665 (printed version); ISSN 2601 – 2332 (online); ISSN-L 1584 – 2665	2025	Tome XXIII, (1)	29-36/8	3

Articole in volumele unor manifestari stiintifice indexate in alte baze de date internationale

Subcat. 2.2	Autorii	Titlul	Conferinta, Simpozionul, Denumirea volumului, Localitatea etc.	BDI (Baza de date internationala)	ISSN / ISBN	Anul	Vol (Nr.)	Pag. Nr. / Nr. Pagini	Nr. autori
7	**BUT ADRIAN**, L.Gal	The influence of the cutting tools parameters on inconel CNC manufacturing DOI 10.1088/1757-899X/416/1/011001	7th International Conference on Advanced Materials and Structures, AMS 2018; Timisoara; Romania; 28 March 2018 through 31 March 2018; Code 141814	BDI (SCOPUS)	ISSN: 17578981	2018		4	2
8	**BUT ADRIAN**, Canarache R., Gal L.	Improve productivity through digital manufacturing DOI: 10.24867/JPE-2021-02-035	14th International scientific conference MMA 2021, Flexible Technologies, 23-25 Sept. 2021,	BDI (ACM, IEEE)	978-86-6022-364-9	2021		4	3
9	**BUT ADRIAN**, V. Botnari	Solution to optimize the NC programs for milling machining applications http://dx.doi.org/10.1051/matecconf/201817805013, WOS:000570197900071	22th International Conference on Innovative Manufacturing Engineering and Energy - IMANEE&E 2018, Chisinau, Moldova	BDI (SCOPUS)	2261-236X	MAY 31-JUN 02, 2018	4	2	
10	**BUT ADRIAN**	Superalloy manufacturing application on CNC machine tool DOI 10.1088/1757-899X/1235/1/012010	25 TH-Edition of IMANEE-2021, 21-23 October 2021	BDI (SCOPUS)	1757-899x	2021		4	1
11	**BUT ADRIAN**, Silea I.	Improving productivity by computer aided manufacturing in five axis, DOI: 10.1109/ICCCYB.2010.5491296	ICCC-CONTI IEEE International Joint Conferences on Computational Cybernetics and Technical Information	BDI (SCOPUS)	5491296	2010		4	2

Activitatea de cercetare (A2)	
2.3	Articole in extenso in **Reviste** nationale/internationale neindexate
	Articole in extenso in **Proceedings** nationale/internationale neindexate

Activitatea de cercetare (A2)
Articole in extenso in Reviste nationale/internationale neindexate

Activitatea de cercetare (A2)
Articole in extenso in Proceedings nationale/internationale neindexate

Subcat. **2.3**	Autorii	Titlul	Conferinta, Simpozionul, Denumirea volumului, Localitatea etc.	ISSN / ISBN	Anul	Vol (Nr.)	Pag. Nr. / Nr. Pagini	Nr. autori
1	E. Linul, L. Marsavina, P. Linul, J.Kovacik, T.Sadovski, **BUT ADRIAN**	Cryogenic and high temperature behavior of metal foam,matrix composites(MFMCs) under static and impact compression loads	21 st International Conference on \composite Structures /04-07. Sept. 2018 University of Bologna, Italy		2018		4	6
2	Scaticailov S., **BUT ADRIAN,**	I-machining advantages and opportunities	8 TH Workshop on surface engineering, 02.-08.06.2019, Koszalin University of Technology, Poland		2019		4	2
3	**BUT ADRIAN,** Ivan VALKOV	Turbine blade manufacturing on CNC milling center in five axis	International conference and exibition CNC technologies 2011, Proceedings CNCT 2011	2068-2093	2011		4	2

Activitatea de cercetare (A2)	
2.1	Articole in reviste cotate ISI Web of Science si in volume indexate ISI Proceesings

Justificare:
Activitatea de cercetare (A2)
Articole in reviste cotate ISI Web of Science

Subcat. 2.1	Autorii	Titlul	**Revista**	ISBN si / sau ISSN	Anul	Vol (Nr.)	Pag. Nr. / Nr. pagini	Nr. autori	Fact. Imp (FI)
1	Kandeva, M; Zagorski, M; Nikolic, R; Stojanovic, B; **BUT ADRIAN**, Botko, F; Pitel, J; Vencl, A	Friction Properties of the Heat-Treated Electroless Ni Coatings Embedded with c-BN Nanoparticleshttp://dx.doi.org/10.3390/coatings12071008, WOS:000833109100001	COATINGS(Q2)	2079-6412	2022	12	20	8	2.9
2	Vencl, A; Svoboda, P; Klancnik, S; **BUT ADRIAN**, Vorkapic, M; Harnicárová, M; Stojanovic, B	Influence of Al2O3 Nanoparticles Addition in ZA-27 Alloy-Based Nanocomposites and Soft Computing Predictionhttp://dx.doi.org/10.3390/lubricants11010024, WOS:000917744500001	LUBRICANTS(Q2)	2075-4442	2023	11	22	7	**3.1**
3	Zeljko Stojanovi´c 1, Bojan Gligorijevi´c 2,* , Slavica Prvulovi´c 1 , **BUT ADRIAN** 3 , Petr Svoboda 4 ,	Decarburization and Its Effects on the Properties of Plasma-Nitrided AISI 4140 Steel DOI10.3390/ma18102207	MATERIALS(Q2)	1996-1944	2025	18	28	7	**3.2**
4	**BUT ADRIAN**, Popescu C.	OPTIMIZATION OF THE CNC PROCESSING FUNCTION OF REQUIREMENTS AND CAPABILITIESWOS:001362561700029	ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING	1221-5872	2024	67	6	2	**0.1**

5	Popescu E., **BUT ADRIAN**	THE INFLUENCE OF CUTTING MILLING PARAMETERS ON SURFACE ROUGHNESS FOR PRETREATED MOLD STEELS WOS:001362561700032	ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING	1221-5872	2024	67	6	2	**0.1**
6	**BUT ADRIAN**	THERMAL DEFORMATIONS DETERMINATION IN A CNC SPINDLE LATHE WOS:000278729500005	METALURGIA INTERNATIONAL	SN1582-2214	2010	15	6	1	
7	Luminosu, I De Sabata D., **BUT ADRIAN**	Solar equipment for preheating bitumen http://dx.doi.org/10.2298/TSCI0701127L WOS:000255211900011	THERMAL SCIENCE	SN0354-9836	2007	11	4	3	

Activitatea de cercetare (A2)
Articole in volume indexate ISI Proceedings

Subcat. **2.1**	Autorii	Titlul	**Conferinta, Simpozion, denumirea volumului, Localitatea, etc.**	ISBN si / sau ISSN	Anul	Zi, luna	Pag. Nr. / Nr. pagini	Nr. autori	Fact. Imp (FI)
1	**BUT ADRIAN**, R. Canarache	Comparative results of milling strategies implementation WOS:000468465100007	Materials Today - Proceedings, 35th Danubia Adria Symposium on Advances in Experimental Mechanics,Sinaia ROMANIA	2214-7853	2019	SEP 25-28, 2018	4	2	
2	**BUT ADRIAN**	Design for manufacturing using TEBIS CAM software for milling processing, WOS:000562599900055	INNOVATIVE MANUFACTURING ENGINEERING AND ENERGY (IMANEE 2019) - 50 YEARS OF HIGHER TECHNICAL EDUCATION AT THE UNIVERSITY OF PITESTI	1757-8981	2019	MAY 22-24, 2019	4	1	
3	**BUT ADRIAN**, Gruionu L., Canarache R.,Iacob A., Scaticailov S.	Solution to manufacturing complex surface on CNC machine tools WOS:000731040500081	7th International conference integrity-failure (IRF 2020), Funchal, Portugal	978-989-54756-	2020	SEP 06-10, 2020	4	5	

4	**BUT ADRIAN**, S.Scaticailov	Using CAM software to improve productivity, WOS:000562599900054	INNOVATIVE MANUFACTURING ENGINEERING AND ENERGY (IMANEE 2019) - 50 YEARS OF HIGHER TECHNICAL EDUCATION AT THE UNIVERSITY OF PITESTI	BDI (SCOPUS - IEEE)	1757-8981	MAY 22-24, 2019	4	2	
5	**BUT ADRIAN** , But E.	LEARNING CAM-COMPUTER AIDED MANUFACTURING-SKILLS AND COMPETENCE http://dx.doi.org/10.5682/2066-026X-12-167 WOS:000316711900076	Proceedings Paper 8th International Scientific Conference eLearning and Software for Education	2066-026X	2012	apilie	4	2	
6	**BUT ADRIAN** , But E.	MODERN CAD/CAM APPLICATIONS-INTUITIVE AND EFFICIENT http://dx.doi.org/10.5682/2066-026X-12-168 WOS:000316711900077	Proceedings Paper 8th International Scientific Conference eLearning and Software for Education	2066-026X	2012	apilie	4	2	
7	**BUT ADRIAN** , But E.	DESIGN AND EFFICIENCY WOS:000306939900120	7th International Conference on Management of Technological Changes, Alexandropolis Greece	BN978-960-99486-2-3	2011	sept.	4	2	
8	**BUT ADRIAN** ,Silea I., But E.	COMPUTER NUMERICAL CONTROL TRAINING CENTER-RESULTS AND OPPORTUNITIES WOS:000288291700095	6th International Seminar on the Quality Management in Higher Education, Tulcea, Romania	BN978-973-662-568-8	2010	iulie	4	3	
9	**BUT ADRIAN**, Stef D., But E.	DESIGN AND FLEXIBILITY USING CAD/CAM SOFTWARE'S IN PROGRAMMING CNC MACHINE TOOLS, WOS:000288291700096	6th International Seminar on the Quality Management in Higher Education, Tulcea,Romania	BN978-973-662-568-8	2010	iulie	4	3	
10	Robu N., **BUT ADRIAN**	HTEC IMPLEMENTATION IN "POLITEHNICA" UNIVERSITY OF TIMISOARA ROMANIA, WOS:000273225100136	6th International Conference on the Management of Technological Changes, Alexandropolis, Greece	BN978-960-89832-7-4	2009	iulie	4	2	

11	Urdea, Gavril Silea, Ioan **BUT ADRIAN**	Adaptive command for circular saw, WOS:000258370000024	OPTIM 2008: PROCEEDINGS OF THE 11TH INTERNATIONAL CONFERENCE ON OPTIMIZATION OF ELECTRICAL AND ELECTRONIC EQUIPMENT, VOL III, Brasov, Romania	DA2025-01-13	2009	iulie	4	3	