

Conditii minimele si obligatorii				Cernescu Anghel	
Domeniul de activitate		Indicatori	Profesor	Realizat	Indeplinit
Activitate didactica/profesionala (A1)	A1.1	N1	2	2	Da
		N1.1	1	1	Da
		N1.3	1	2	Da
	A1.2	N2	4	5	Da
		N2.1	2	4	Da
Activitate de cercetare (A2)	A2.1+A2.3	P1+P2	10	28.55315	Da
		P1	6	28.55315	Da
	A2.2	N3	10	17	Da
		N3.1	5	7	Da
	A2.4+A2.5	N4	2	2	Da
		N4.3	1	1	Da
		N4.4	1	1	Da
Recunoasterea impactului activitatii (A3)	A3.1	S1+S2	50	59.98	Da
	A3.2	N5	10	14	Da
	A3.3	C	25	81.688	Da

$$P1 = P1.1+P1.2+P1.3+P1.4$$

$$P2 = P2.1+P2.2$$

$$N1 = N1.1+N1.2$$

$$N2 = N2.1+N2.2+N2.3$$

$$N3 = N3.1+N3.2$$

$$N4 = N4.1+N4.2+N4.3+N4.4$$

$$[A1.1-N1.1] + [A1.1-N1.2]$$

$$[A1.1-N1.1]$$

$$[A1.1-N1.3]$$

$$[A1.2-N2.1] + [A1.2-N2.2]$$

$$[A1.2-N2.1]$$

$$[A2.1-P1.1] + [A2.1-P1.2] + [A2.1-P1.3] + [A2.1-P1.4]$$

$$[A2.1-P1.1] + [A2.1-P1.2] + [A2.1-P1.3] + [A2.1-P1.4]$$

$$[A2.1-N3.1] + [A2.1-N3.2]$$

$$[A2.2-N3.1]$$

$$[A2.5-N4.3] + [A2.5-N4.4]$$

$$[A2.5-N4.3]$$

$$[A2.5-N4.4]$$

$$[A3.1-S2]$$

$$[A3.2-N5]$$

$$[A3.3-C]$$

Anghel Cernescu

Activitate didactica si profesionala (A1)**A1.1 - Manuale suport de curs (conform fisei disciplinei de concurs)****Format tiparit/electronic (min. 100 pagini)****N1.1 - Coordonator/prim autor**

Nr. Crt.	Autori	Titlu	Editura	ISBN/ISSN	Anul	Pagini	Punctaj
1	Anghel Cernescu	Proiectarea Masinilor si Instalatiilor in Inginerie Mecanica	Politehnica	978-606-554-318-8	2011	210	1
						Total	1

Activitate didactica si profesionala (A1)

A1.1 - Manuale suport de curs (conform fisei disciplinei de concurs)

Format tiparit/electronic (min. 100 pagini)

N1.2 - Co-autor

Nr. Crt.	Autori	Titlu	Editura	ISBN/ISSN	Anul	Pagini	Punctaj
1	Liviu Daniel Pirvulescu, Anghel Cernescu	Exploatarea si mentenanta echipamentelor hidropneumatice	Politehnica	978-606-35-0361-0	2020	194	1
						Total	1

Anghel Cernescu

Activitate didactica si profesionala (A1)**A1.1 - Manuale suport de curs (conform fisei disciplinei de concurs)****N1.3 - Format electronic disponibil pe platforma universitatii/departamentului (autor)**

Nr. Crt.	Autori	Titlu	Link	Anul	Punctaj
1	Anghel Cernescu	Mecanica Constructia si Proiectarea Structurilor	http://www.mec.upt.ro/rezi/Cernescu/Mecanica_Constructia_si_Proiectarea_Structurilor.pdf	2013	1
2	Anghel Cernescu	Managementul Asigurarii Calitatii in Inginerie	http://www.mec.upt.ro/rezi/Cernescu/Managementul_Asigurarii_Calitatii_in_Inginerie.pdf	2016	1
				Total	2

Anghel Cernescu

Activitate didactica si profesionala (A1)**A1.2 - Material didactic/Dezvoltare laboratoare, aplicatii****N2.1 - Standuri laborator (constructie/modernizari) certificate de directorul de laborator**

Nr. Crt.	Denumire stand	Laborator	Referinte	Punctaj
1	Stand pentru testarea perechilor de proteze dentare totale	Laboratorul de Rezistenta Materialelor "Stefan Nadasan"	Teza de abilitare, paragraful 1.1.4	1
2	Stand pentru testarea la oboseala a conductoarelor electrice aeriene supuse la vibratii	Laboratorul de Rezistenta Materialelor "Stefan Nadasan"	Teza de abilitare, paragraful 2.4	1
3	Stand pentru determinarea rigiditatii cuplelor de legatura a vagoanelor de cale ferata	Laboratorul de Rezistenta Materialelor "Stefan Nadasan"	Teza de abilitare, paragraful 2.5	1
4	Stand pentru expertizarea coltarelor din carton presat si a paletilor si picioarelor de paleti din carton, respectiv determinarea rezistentei la compresiune a cutiilor din carton	Laboratorul de Rezistenta Materialelor "Stefan Nadasan"	Contract nr. 15 din 26.01.2015 cu SC. Dessera Nortex SRL, respectiv Contract nr. 38 din 02.04.2015 cu TRW Automotive Safety Systems	1
			Total	4

Anghel Cernescu

Activitate didactica si profesionala (A1)

A1.2 - Material didactic/Dezvoltare laboratoare, aplicatii

N2.2 - Indrumar laborator/carte de aplicatii format tiparit sau electronic (autor, co-autor)

Nr. Crt.	Autori	Titlu	Link	Anul	Punctaj
1	N. Faur, A. Cernescu, C-S Nes, R. Negru	Metoda Elementelor Finite Indrumar de laborator	http://www.mec.upt. ro/rezi/Indrumator%2 0Laborator%20Metod a%20Elementelor%20 Finite.pdf	2013	1
				Total	1

Anghel Cernescu

A2.1 - Articole si publicatii stiintifice indexate Web of Science Thomson Reuters (WOS)

[illegible]

Anghel Cernescu

Activitatea de cercetare stiintifica, dezvoltare tehnologica si inovare - CDI (A2)

A2.1 - Articole si publicatii stiintifice indexate Web of Science Thomson Reuters (WOS)

P1.2 - Autor corespondent/prim autor, $n \geq 3$ (n = nr. de autori, FI este factorul de impact)

Nr. Crt.	Autori	Titlu articol	Revista/Jurnal	ISSN	Anul	Vol/Nr.	Pagina	FI	Punctaj	Link/WOS/DOI					
1	C. Dumitru, Anghel Cernescu, I. Eremici, C.M. Bortun, D. Achiriloaiei	Fatigue behavior of two acrylic denture base resins	Materiale Plastice	0025-5289	2018	55/4	567-570	1.517	2.0604	http://www.revmaterialeplastice.ro/pdf/DUMITRU%20C%204%2018.pdf					
2	Anghel Cernescu, J. Romanoff, H. Remes, N. Faur, J. Jelovica	Equivalent mechanical properties for cylindrical cell honeycomb core structure	Composite Structures	0263-8223	2014	108(1)	866-875	4.829	6.0348	https://doi.org/10.1016/j.compstruct.2013.10.017					
								Total	8.0952						

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Activitatea de cercetare stiintifica, dezvoltare tehnologica si inovare - CDI (A2)

A2.1 - Articole si publicatii stiintifice indexate Web of Science Thomson Reuters (WOS)

P1.3 - Co-autor, $n \leq 3$ (n = nr. de autori, FI este factorul de impact)

Nr. Crt.	Autori	Titlu articol	Revista/Jurnal	ISSN	Anul	Vol/Nr.	Pagina	FI	Punctaj	Link/WOS/DOI				
1	A.C. Murariu, Anghel Cernescu, I.A. Perianu	The effect of saline environment on the fatigue behaviour of HVOF-sprayed WC-CrC-Ni coatings	Surface Engineering	1743-2944	2017	34(10)	755-761	2.229	2.429	https://doi.org/10.1080/02670844.2017.1388561				
2	C. Sinescu, L. Marsavina, Anghel Cernescu	Asymptotic stress field for the interface between teeth and different restorative materials	Computational Materials Science	0927-0256	2012	59	57-64	2.644	2.844	https://doi.org/10.1016/j.commatsci.2012.02.030				
3	C.M. Bortun, Anghel Cernescu, L. Ardelean	Mechanical properties of some dental resins in wet and dry conditions	Materiale Plastice	0025-5289	2012	49(1)	5-8	1.517	1.717	http://www.revmaterialeplastice.ro/pdf/BORTUN%20C%20M%20I%2012.pdf				
								Total	6.99					

Anghel Cernescu

Activitatea de cercetare stiintifica, dezvoltare tehnologica si inovare - CDI (A2)

A2.1 - Articole si publicatii stiintifice indexate Web of Science Thomson Reuters (WOS)

P1.4 - Co-autor, n ≥ 4 (n = nr. de autori, FI este factorul de impact)

Nr. Crt.	Autori	Titlu articol	Revista/Jurnal	ISSN	Anul	Vol/Nr.	Pagina	FI	Punctaj	Link/WOS/DOI					
1	S.G. Mihali, S. Canjau, Anghel Cernescu, C.M. Bortun, H.L. Wang, E. Bratu	Effects of a short drilling implant protocol on osteotomy site temperature and drill torque	Implant Dentistry	1056-6163	2018	27(1)	63-68	1.214	0.707	10.1097/ID.0000000000000707					
2	I. Chincea, Anghel Cernescu, L. Marsavina, V.A. Serban	Fatigue damage evolution in laminate composites with balsa wood	Cellulose Chemistry and Technology	0576-9787	2011	45(5-6)	421-426	0.857	0.79275	http://www.cellulosechemtechnol.ro/pdf/CCT45,5-6(2011)/p.421-426.pdf					
3	L. Marsavina, Anghel Cernescu, E. Linul, D. Scurtu, C. Chirita	Experimental determination and comparison of some mechanical properties of commercial polymers	Materiale Plastice	0025-5289	2010	47(1)	85-89	1.517	1.0302	http://revmaterialeplastice.ro/pdf/MARSAVINA%20LIV%201%2010.pdf					
								Total	2.52995						

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N3.1 - Autor corespondent/Prim autor

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Activitatea de cercetare stiintifica, dezvoltare tehnologica si inovare - CDI (A2)

A2.5 - Monografii/carti de specialitate, format tiparit/electronic (min. 100 pag.)

N4.3 - Coordonator/Prim autor

Nr. Crt.	Autori	Titlu	Editura	ISSBN	Anul	Pagini	Punctaj
1	Anghel Cernescu, I. Dumitru	Oboseala conductoarelor liniilor electrice aeriene	Academia Romana	978-973-27-2783-6	2017	293	1
						Total	1

Anghel Cernescu

Activitatea de cercetare stiintifica, dezvoltare tehnologica si inovare - CDI (A2)

A2.5 - Monografii/carti de specialitate, format tiparit/electronic (min. 100 pag.)

N4.4 - Co-autor

Nr. Crt.	Autori	Titlu	Editura	ISSBN	Anul	Pagini	Punctaj
1	Ion Dumitru, Anghel Cernescu	Cercetari privind rezistenta si durabilitatea la socuri a materialelor si structurilor de rezistenta	Eurostampa	ISBN 978-606-32-0809-6	2019	100	1
						Total	1

Anghel Cernescu

Recunoasterea si impactul activitatii - RIA (A3)**A3.1 - Atragere resurse financiare prin granturi/proiecte/contracte****S2 - Membru in echipa la grant/proiect castigat prin competitie nationala sau internationala, proiecte/contracte terti**

Nr. Crt.	Denumirea grantului/proiect/contract	Nr. Grant	Anul	Valoare [RON]	Finantator	Responsabil proiect	Echivalent euro	Curs BNR
1	Lucrari de expertizare si incercare a coltarelor din carton presat si a paletilor si picioarelor de paleti de carton	15	2015	2230	SC Dessera Nortese Timisoara	Cernescu Anghel	492.9266136	1 Euro=4.524 RON/ 31.12.2015
2	Determinarea rezistentei la compresiune a cutiilor de carton	38	2015	2728	TRW Automotive Safety Systems Timisoara	Cernescu Anghel	603.0061892	1 Euro=4.524 RON/ 31.12.2015
3	Incerari de oboseala pe materialul S235JR cu strat de protectie depus	114	2016	2880	ISIM Timisoara	Cernescu Anghel	634.2215371	1 Euro=4.541 RON/ 30.12.2016
4	Incerari mecanice de tipul stress-strain pe inima conductorului TACSR/ACS	61	2016	1000	SC IPROEB SA Bistrita	Cernescu Anghel	220.2158115	1 Euro=4.541 RON/ 30.12.2016
5	Incerari mecanice de tipul stress-strain pe conductoare electrice aeriene	50	2016	1000	SC IPROEB SA Bistrita	Cernescu Anghel	220.2158115	1 RON=4.541 Euro/ 30.12.2016
7	Incerari mecanice de tipul stress-strain pe conductoarele liniilor electrice aeriene	116	2015	2225	SC IPROEB SA Bistrita	Cernescu Anghel	491.821397	1 RON=4.524 Euro/ 31.12.2015
10	Teste mecanice de tractiune si forfecare pentru plase metalice sudate	61	2011	2905	SC. Aton Transilvania SRL	Cernescu Anghel	672.6094003	1 Euro=4.319 RON/ 30.12.2011

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11	FEA for thermoplast housing	BC50	2010	2121	SC Hella Romania SRL	Cernescu Anghel	495.0980392	1 Euro=4.284 RON/ 31.12.2010
12	Simulare senzor presiune ulei (OPS)	BC 14	2010	1163	SC Hella Romania SRL	Cernescu Anghel	271.4752568	1 Euro=4.284 RON/ 31.12.2010
13	Ridicarea diagramelor de compresiune pentru 30 buc. Arcuri, reper N-204-00-38-017, pentru platforma AAE TWIN	102	2008	2975	ASTRA Vagoane Arad SA	Cernescu Anghel	746.5495609	1 Euro=3.985 RON/ 31.12.2010
14	Studii de modelarea interactiunii caii de rulare mediu la transportul urban de calatori	774	2006	100000	CNCSIS	Nicolae Faur	29577.04821	1 Euro=3.381 RON/ 29.12.2006
15	Retea de cercetare cu utilizatori multipli pentru tehnologii, procese si echipamente tehnice din sectoarele: constructii de masini, agricultura si industrie alimentara	X1C07	2006	30000	ANCS	Nicolae Faur	8873.114463	1 Euro=3.381 RON/ 29.12.2006
16	DEZVOLTAREA ŞI PROMOVAREA CERCETĂRII ROMÂNEŞTI DE EXCELENŢĂ DIN DOMENIUL TRANSPORTURILOR DE SUPRAFAŢĂ ŞI A SIGURANŢEI CIRCULAŢIEI PRIN CONECTAREA LA PROGRAMELE EUROPENE (PC7)	228	2006	10000	ANCS	Nicolae Faur	2957.704821	1 Euro=3.381 RON/ 29.12.2006
17	PROMOVAREA PARTICIPARII LA PROGRAMUL CADRU 7 ŞI DEZVOLTAREA REŢELEI NAŢIONALE DE EXCELENŢĂ ÎN DOMENIUL SIGURANŢEI ŞI SECURITĂŢII ÎN TRANSPORT	128	2006	10000	ANCS	Nicolae Faur	2957.704821	1 Euro=3.381 RON/ 29.12.2006

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18	PROMOVAREA PARTICIPARII SI INTEGRĂRII CERCETĂRII ȘTIINȚIFICE ROMÂNEȘTI LA PROGRAMUL CADRU 7 PRIVIND MECANIZAREA LUCRĂRILO AGRICOLE, PRODUCȚIA ȘI MANAGEMENTUL DURABIL AL RESURSELOR SOLULUI AGRICOL	147	2006	10000	ANCS	Nicolae Faur	2957.704821	1 Euro=3.381 RON/ 29.12.2006
19	INSTITUTUL DE CERCETĂRI PENTRU ENERGII REGENERABILE-ICER-TM	129	2013	35000	POS-CCE	Bordeasu Ilare	7804.31244	1 Euro = 4.4847 RON
			Total	216227	RON		59975.72919	Euro

Anghel Cernescu

Recunoasterea si impactul activitatii - RIA (A3)**A3.2 - Prezentarea/Diseminarea rezultatelor: prezenta stiintifica la manifestari stiintifice in calitate de autor/co-autor de lucrari, profesor invitat****N5 - Congrese/conferinte/workshopuri internationale, profesor invitat la universitati/institute din strainatate**

Nr. crt	Autori	Titlu	Conferinta	Data si locul desfasurarii	Punctaj
1	Anghel Cernescu, R. Pullin	New research findings on non-proportional low cycle fatigue	International Conference on Multiaxial Fatigue and Fracture	24 - 26 Iunie 2019, Bordeaux, Franta	1
2	Anghel Cernescu, J. Romanoff, H. Remes	The effect of the secondary bending moment on the fracture strength evaluation of the laser welded joints from a web core sandwich structure	14th Symposion on Experimental Stress Analysis and Materials Testing	23 - 25 Mai 2013, Timisoara, Romania	1
3	Anghel Cernescu, H. Remes, P. Lehto, J. Romanoff	Fatigue crack growth rate in laser-welded web core sandwich panels - fatigue crack propagation in welded base metal	11th International Fatigue Congress	2 - 7 Martie 2015, Melbourne, Australia	1
4	N. Faur, L. Marsavina, Anghel Cernescu, C. Nes, E. Linul	The influence of the steel and aluminum components separation at the conductors locking for stress-strain tests	8th International Conference on Fracture and Damage Mechanics	8 - 10 Septembrie 2009, Malta	1
5	I. Dumitru, Anghel Cernescu	Fatigue crack growth under variable amplitude loadings. A theoretical study	Strength of Materials Laboratory at 85 years	21 - 22 November, Timisoara, Romania	1
6	S. Biris, V. Vladut, N. Faur, Anghel Cernescu, M. Matache, O. Kabas, I Voicea, S. Bungescu, C. Popescu	FEM Analysis/Testing resistance of a tractor seat	43rd International Symposium on Agricultural Engineering	24 - 27 Februarie 2015, Opatija, Croatia	1

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7	M. Amarandei, L. Bogdan, Anghel Cernescu, L. Marsavina, J.M. Patrascu, D. Vermesan	Experimental tests on fine nitinol wires used in medical applications	4th International Conference on Advanced Materials and Structures	27 - 28 Octombrie 2011, Timisoara, Romania	1
8	B. Ghiban, N. Ghiban, A. Ghiban, C.M. Bortun, N. Faur, Anghel Cernescu	Fracture behaviour of some heat curing dental resins	1st International Conference on Biodental Engineering	26 - 27 Iunie 2009, Porto, Portugalia	1
9	B.C. Lengyel, Anghel Cernescu, C.S. Nes	Analytical calculation of resistance to burst of single jersey underlying two synthetic materials used in furniture industry	6th International Conference on Advanced Materials and Structures	16 - 17 Octombrie 2015, Timisoara, Romania	1
10	D. Achiriloaiei, C.S. Nes, I. Dumitru, Anghel Cernescu	On the influence of the contact force and the angle between the wires on ACSR conductors' mechanical properties and durability	14th International Conference on Fracture and Damage Mechanics	21 - 23 Septembrie 2015, Budva, Muntenegru	1
11	Anghel Cernescu, C.M. Bortun, N. Faur, O. Gombos	A complete denture strength evaluation based on Fracture Mechanics concepts	IADR International Association for Dental Research/AADR/CADR, 88th General Session and Exhibition	14 - 17 Iulie 2010, Barcelona, Spania	1
11	C.M. Bortun, N. Faur, Anghel Cernescu, O. Gombos, C. Leucuta	Experimental studies on acrylic resins used in complete denture technology	22nd European Conference on Biomaterials	7 - 11 Septembrie 2009, Lausanne, Elvetia	1
12	C.M. Bortun, N. Faur, Anghel Cernescu, B. Ghiban, O. Gombos	Some experimental tensile tests made on heat-curing resins by stress strain diagrams and stereomicroscopy	FDI Annual World Dental Congress	2 - 5 Septembrie 2009, Singapore	1
13	C.M. Bortun, Anghel Cernescu, N. Faur, L. Sandu, S. Porojan	Mechanical Properties of heat-curing resins by stress-strain diagrams	IADR International Association for Dental Research/AADR/CADR, 87th General Session and Exhibition	1 - 4 Aprilie 2009, Miami, USA	1

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				Total	14

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Recunoasterea si impactul activitatii - RIA (A3)

A3.3 - Citari in publicatii BDI (se exclud autocitarile)

C = C1 + Sfi (C - numarul de citari; Sfi - suma factorilor de impact al publicatiilor WOS in care apar citarile)

Nr. Crt.	Autori	Titlu articol	Revista/Jurnal	ISSN	Anul	Vol/Nr.	Pagina	FI	Punctaj, C	Sfi	Link/WOS/DOI						
1	L. Marsavina, Anghel Cernescu, E. Linul, D. Scurtu, C. Chirita	Experimental determination and comparison of some mechanical properties of commercial polymers	Materiale Plastice	0025-5289	2010	47(1)	85-89	1.517	0		http://revmaterialeplastice.ro/pdf/MARSAVINA%20LIV%201%2010.pdf						
1.1	A.M. Feinberg, O. Davydovich, E.M. Lloyd, D.G. Ivanoff, B. Shiang, N.R. Sottos, J.S. Moore	Triggered transience of plastic materials by a single electron transfer mechanism	ACS Central Science	2374-7951	2020	6(2)	266-273	12.685	1	20.534	https://pubs.acs.org/doi/pdf/10.1021/acscentsci.9b01237						
1.2	A. Bravo, L. Toubal, D. Koffi, F. Erchiqui	Gear fatigue life and thermomechanical behavior of novel green and bio-composite materials VS high-performance thermoplastics	Polymer Testing	0142-9418	2018	66	403-414	3.275	1								
1.3	A. Bravo, L. Toubal, D. Koffi, F. Erchiqui	Damage characterization of bio and green polyethylene-birch composites under creep and cyclic with multivariable acoustic emissions	Materials	1996-1944	2015	8(11)	7322-7341	3.057	1								
1.4	O.C. Novac, G.R.E. Maries, D. Chira, M. Novac	Studying the influence of temperatures, used for processing ABS, PA 6.6 and POM, on certain electrical properties, when injection moulding items for the automotive industry, by methods employed for determining relative permittivity and the dielectric dissipation factor	Materiale Plastice	0025-5289	2017	54(2)	274-280	1.517	1								
2	C.M. Bortun, Anghel Cernescu, L. Ardelean	Mechanical properties of some dental resins in wet and dry conditions	Materiale Plastice	0025-5289	2012	49(1)	5-8	1.393	0		http://www.revmaterialeplastice.ro/pdf/BORTUN%20C%20M%201%2012.pdf						
2.1	D.G. Bosinceanu, I.G. Sandu, E.R. Baci, D.N. Bosinceanu, Z. Surlari, I. Martu, C. Balcos, M. Bolat	Flexible acrylate dentures versus chromium cobalt removable partial dentures - a viable therapeutical solution	Materiale Plastice	0025-5289	2019	56(1)	120-123	1.517	1								
2.2	M.E. Antohe, C. Dascalu, C. Savin, N.C. Forna, A. Balan	Study regarding the toxic effects of acrylic resins	Materiale Plastice	0025-5289	2016	53(4)	767-777	1.517	1								
2.3	E.S. Bechir, A. Bechir, C. Gioga, R. Manu, A. Burcea	The advantages of BioHPP Polymer as superstructure material in oral implantology	Materiale Plastice	0025-5289	2016	53(3)	394-398	1.517	1								
2.4	I.E. Lile, P.C. Freiman, T. Hosszu, E. Vasca, V. Vasca, S. Bungau, L. Vaida	A subsidiary physical research of glass ionomers	Materiale Plastice	0025-5289	2015	52(2)	175-179	1.517	1								
2.5	B. Vladila, E.S. Bechir	Use of thermoforming ethylene acetate for an innovative device	Materiale Plastice	0025-5289	2015	52(1)	87-89	1.517	1								

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2.6	A. Balan, S. Stoleriu, S. Andrian, A.V. Sandu, C. Savin	In vitro study regarding the effect of different types of etching acids on the morphology and chemical content of the external surface of enamel carious lesion on primary teeth	Revista de Chimie	0034-7752	2015	66(1)	70-73	1.755	1	13.481							
2.7	C.A. Ghiorghe, S. Stoleriu, G. Pancu, C. Topoliceanu, A.V. Sandu, S. Andrian	Changes of the mineral structure in the enamel adjacent to three types of restorative materials after immersion in hydrochloric acid	Revista de Chimie	0034-7752	2014	65(9)	1021-1025	1.755	1								
2.8	L. Aminov, M. Vataman, M. Mocanu, C.E. Iancu, A.I. Alexa, D.C. Maxim, L.E. Checherita	Comparative study regarding the pH influence on surface microhardness of two reparative materials used in endodontics	Revista de Chimie	0034-7752	2014	65(7)	792-796	1.755	1								
2.9	A. Caraiane, V. Ciupina, A. Zaharia, B. Radoiu, G. Prodan, F.C. Badea	Study regarding the resistance of different materials used in dental medicine	Journal of Optoelectronics and Advanced Materials	1454-4164	2014	16(7-8)	812-819	0.631	1								
3	A.C. Murariu, Anghel Cernescu, I.A. Perianu	The effect of saline environment on the fatigue behaviour of HVOF-sprayed WC-CrC-Ni coatings	Surface Engineering	1743-2944	2017	34(10)	755-761	2.229	0		https://doi.org/10.1080/02670844.2017.1388561						
3.1	P. Senapati, H. Sutar	Surface erosion behaviour over NiCrBSi-Al(2)O(3) composite coatings	Materials Research Express	2053-1591	2020	7(7)	76512	1.929	1	10.579							
3.2	D.G. Bhosale, W.S. Rathod	Investigation on wear behaviour of SS316L, atmospheric plasma and high velocity oxy-fuel sprayed WC-Cr3C2-Ni coatings for fracturing tools	Surface & Coatings Technology	0257-8972	2020	390	125679	3.784	1								
3.3	D.G. Bhosale, W.S. Rathod	Tribo-behaviour of APS and HVOF sprayed WC-Cr3C2-Ni coatings for gears	Surface Engineering	0267-0844	2020	Latest Articles		2.433	1		https://doi.org/10.1080/02670844.2020.1742988						
3.4	D. Tan, X.Q. Yang, Q. He, J.L. Mo, W.H. Zhuang, J.F. He	Impact-sliding wear properties of PVD CrN and WC/C coatings	Surface Engineering	0267-0844	2019	Latest Articles		2.433	1		https://doi.org/10.1080/02670844.2019.1682818						
4	Anghel Cernescu	The influence of crack tip shielding on fatigue crack propagation	Frattura ed Integrita Strutturale	19718993	2017	41	307-313	0	0		https://pdfs.semanticscholar.org/a7bd/d4c30549638a65faab4829785cbfd1c4e98b.pdf						
4.1	Y. Khaburskiy, Z. Slobodyan, M. Hredil, H. Nykyforchyn	Effective method for fatigue crack arrest in structural steels based on artificial creation of crack closure effect	International Journal of Fatigue	0142-1123	2019	127	217-221	4.369	1	4.609							
4.2	S. Doddamani, M. Kaleemulla	Effect of graphite on the fracture and fatigue crack growth behaviour of Al6061-graphite	Structural Integrity and Life-Integritet I Vek Konstrukcija	1451-3749	2018	18(3)	185-192	0.24	1								
5	Anghel Cernescu, I. Dumitru, N. Faur, N. Branzei, R. Bogdan	The analysis as a damaged component from the connection system of the wagons	Engineering Failure Analysis	1359-6307	2014	29	93-107	2.897	0		https://doi.org/10.1016/j.engfailanal.2012.11.009						

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5.1	M. Mohammadi, A. Rahmatfam, M. Zehsaz, S.H. Sanifard	Failure analysis study of railway draw-hook coupler	Journal of Central South University	2095-2899	2019	26(4)	916-924	1.249	1	4.146								
5.2	S. Zheng, K. Cheng, J.X. Wang, Q.D. Liao, X.G. Liu, W.W. Liu	Failure analysis of frame crack on a wide-body mining dump truck	Engineering Failure Analysis	1350-6307	2015	48	153-165	2.897	1									
6	Anghel Cernescu, N. Faur, C.M. Bortun, M. Hluscu	A methodology for fracture strength evaluation of complete denture	Engineering Failure Analysis	1359-6307	2011	18(5)	1253-1261	2.897	0		https://doi.org/10.1016/j.engfailanal.2011.03.004							
6.1	D.C. Bratu, V.F. Vinatu, S.I. Pop, P.H. Petrescu, C.P. Simon, G. Popa	Wear resistance under high load forces of four different polyethylene terephthalate glycol vacuum-formed orthodontic retainers	Materiale Plastice	0025-5289	2019	56(3)	505-509	1.517	1	3.339								
6.2	K.K. Chen, N.A. Noda, K. Tajima, Y. Sano, Y. Takase	Intensity of singular stress fields of wedge-shaped defect in human tooth due to occlusal force before and after restoration with composite resins	Proceedings of the Institution of Mechanical Engineers Part H-Journal of Engineering in Medicine	0954-4119	2017	231(9)	907-922	1.282	1									
6.3	D. Jevremovic, T. Puskar, B. Kosec, D. Vukelic, I. Budak, S. Aleksandrovic, D. Egbeer, R. Williams	The analysis of the mechanical properties of F75 Co-Cr alloy for use in selective laser melting (SLM) manufacturing of removable partial dentures (RPD)	Metalurgija	0543-5846	2012	51(2)	171-174	0.28	1									
6.4	D. Jevremovic, T.M. Puskar, I. Budak, D. Vukelic, V. Kojic, D. Egbeer, R. Williams	An RE/RM approach to the design and manufacture of removable partial dentures with a biocompatibility analysis of the F75 Co-Cr SLM alloy	Materiali in Tehnologije	1580-2949	2012	46(2)	123-129	0.26	1									
									C	Sfi								
									25	56.688								
									Total	81.688								

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