

Universitatea Tehnică de Construcții București

FISA DE INDEPLINIRE A STANDARDELOR MINIMALE DE ABILITARE

Domeniul: Inginerie mecanică

CANDIDAT: conf.univ.dr.ing. FLORESCU VIRGIL

Facultatea de Utilaj Tehnologic

Departamentul de Tehnologie Mecanică

Standardele minimale necesare și obligatorii pentru conferirea titlurilor didactice din învățământul superior și a gradelor profesionale de cercetare-dezvoltare conform Anexei nr. 17 din Ordinul de Ministru 6129 din 2016 pentru Profesor

Nr. Crt.	Domeniul activitatilor	Rezultatele activitatilor	Subcategorii			Indicatori
1	Activitatea didactica si profesionala (A1)	Manuale suport de curs (conform fisei disciplinei de concurs)	A 1.1	Format tiparit/electronic [1] (min. 100 pag).	Coordonator/prim autor	N 1.1 = numar
					Co-autor	N 1.2 = numar
				Format electronic disponibil pe platforma universitatii/departamentului (autor)		N 1.3 = numar
		Material didactic / Dezvoltare laboratoare, aplicatii	A 1.2	Standuri laboratoare (constructie/modernizari) certificate de directorul de departament		N 2.1 = numar
				Indrumar laborator/carte aplicatii format tiparit sau electronic (autor, co-autor)		N 2.2 = numar
				Aplicatie informatica educationala		N 2.3 = numar
2	Activitatea de cercetare stiintifica, dezvoltare tehnologica si inovare – CDI (A 2)	Articole si publicatii stiintifice indexate Web of Science Thomson Reuters (WOS) [2], unde n = nr. de autori si FI este factorul de impact [3]	A 2.1	Autor corespondent / prim autor	$n \leq 3$	$P 1.1 = 2 \cdot (0.2 + FI)$
					$n \geq 4$	$P 1.2 = 2 \cdot 3 \cdot (0.2 + FI) / n$
				Co-autor	$n \leq 3$	$P 1.3 = 0.2 + FI$
					$n \geq 4$	$P 1.4 = 3 \cdot (0.2 + FI) / n$
		Articole si publicatii stiintifice BDI [4] neincluse la A 2.1	A 2.2	Autor corespondent / prim autor		N 3.1 = numar
				Co-autor		N 3.2 = numar
		Brevete de inventii indexate [5]	A 2.3	Internationale indexate in Web of Science Derwent Innovation		P 2.1 = acelasi calcul cu A 2.1 si FI = 2
				Nationale indexate OSIM		P 2.2 = acelasi calcul cu A 2.1 si FI = 0.5
		Produse, tehnologii, platforme si servicii inovative (validate conform procedurilor specifice unitatilor de invatamant superior sau de cercetare)	A 2.4	Coordonator / prim autor		N 4.1 = numar
				Co-autor		N 4.2 = numar
		Monografii / carti de specialitate ^[2] , format tiparit / electronic (min. 100 pag.)	A 2.5	Coordonator / prim autor		N 4.3 = numar
				Co-autor		N 4.4 = numar

3	Recunoasterea si impactul activitatii – RIA (A 3)	Atragere resurse financiare prin granturi / proiecte / contracte terti	A 3.1	Director sau responsabil partener la grant / proiect castigat prin competitie nationala sau internationala	$S1^{[6]}$ = suma echivalenta in mii Euro ^[9]
				Membri in echipa la grant / proiect castigat prin competitie nationala sau internationala, proiecte/contracte terti	$S2^{[7]}$ = suma echivalenta in mii Euro ^[8]
		Prezentarea/Diseminarea rezultatelor; prezenta la manifestari stiintifice in calitate de autor/co-autor de lucrari; profesor invitat	A 3.2	Congrese / conferinte / workshopuri internationale; profesor invitat la universitati / institute din strainatate	N 5 = numar
		Citari in publicatii BDI [5] (se exclud autocitările)	A 3.3	CI = numarul de citari S_{FI} = suma factorilor de impact al publicatiilor WOS in care apar citările	$C = CI = S_{FI}$

Note

[1] Publicatia este inregistrata in fondul de carte al bibliotecii nationale sau al bibliotecilor universitatilor respective.

[2] Se exclud publicatiile conferintelor DAAAM si WSEAS

[3] F1 este factorul de impact al revistei la data inscrierii la concurs sau la data publicarii articolului (cel mai avantajos pentru candidat). Se iau in considerare la aceasta categorie numai revistele cu factor de impact la data publicarii articolului. O revista WOS este echivalenta cu o revista cotate ISI cf. Ordinului de Ministru (MECTS) nr. 4478/23.06.2011 publicat in Monitorul Oficial, Partea I, nr. 448/27.06.2011.

[4] Bazele de date BDI acceptate sunt: Web of Science, Thomson Reuters (WOS) si SCOPUS.

[5] Un brevet se poate incadra la o singura categorie

[6] Suma de grant/proiect incasata de institutie repartizata echipei din care directorul de grant / responsabil partener face parte (S) include cheltuieli de: personal, logistica, deplasari, indirecte)

[7] Suma din grant / proiecte castigate prin concurs national / international si proiecte / contracte terti incasata de institutie si repartizata de director / responsabil persoanei respective (S2 include cheltuieli de: personal, logistica, deplasari, indirecte)

[8] Pentru contractele derulate inainte de 01.01.1999 se va considera echivalarea: 1 Euro = 1 Dolar USA

Conditii minimale si obligatorii				
Domeniul de activitate		Indicatori	necesar	realizat
Activitatea didactica profesionala (A 1)	A 1.1	N 1	2	4
		N 1.1	1	3
		N 1.3	1	2
	A 1.2	N 2	4	8
		N 2.1	2	5
Activitatea de cercetare (A 2)	A 2.1 + A 2.3	P1 + P2	10	19,96
		P1	6	16,66
	A 2.2	N3	10	14
		N3.1	5	5
	A 2.4 + A 2.5	N4	2	3
		N4.3	1	1
Recunoasterea impactului activitatii (A 3)	A 3.1	S1+S2	50	168
	A 3.2	N5	10	29
	A 3.3	C	25	59,34

Unde:

$P1 = P1.1+P1.2+P1.3+P1.4$; $P2 = P2.1+P2.2$

$N1 = N1.1+N1.2$; $N2 = N2.1+N2.2+N2.3$; $N3 = N3.1+N3.2$

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

JUSTIFICARE INDICATORI

Activitatea didactica si profesionala (A1)

Nr. Crt.	Domeniul activitatilor	Rezultatele activitatilor	Subcategorii			Indicatori
1	Activitatea didactica si profesionala (A1)	Manuale suport de curs (conform fisei disciplinei de concurs)	A 1.1	Format tipărit/electronic [1] (min. 100 pag).	Coordonator/prim autor	N 1.1 = număr
					Co-autor	N 1.2 = număr
					Format electronic disponibil pe platforma universitatii/departamentului (autor)	
		Material didactic / Dezvoltare laboratoare, aplicatii	A 1.2	Standuri laboratoare (constructie/modernizari) certificate de directorul de departament		N 2.1 = număr
				Indrumar laborator/carte aplicatii format tipărit sau electronic (autor, co-autor)		N 2.2 = număr
Aplicatie informatica educationala				N 2.3 = număr		

Condiții minime și obligatorii

Domeniul de activitate		Condiții minime și obligatorii		
		Indicatori	Conferentiar	Profesor
Activitatea didactica profesionala (A1)	A 1.1	N 1	2	2
		N 1.1	0	1
		N 1.3	1	1
	A 1.2	N 2	3	4
		N 2.1	1	2

$N1 = N1.1 + N1.2$; $N2 = N2.1 + N2.2 + N2.3$; $N3 = N3.1 + N3.2$

CETRALIZATOR

Conditii minime si obligatorii				
Domeniul de activitate		Indicatori	necesar	Rea;izat
Activitatea didactica profesionala (A 1)	A 1.1	N 1	2	4
		N 1.1	1	3
		N 1.3	1	2
	A 1.2	N 2	4	8
		N 2.1	2	5

1. Activitatea didactica si profesionala (A1)

A 1.1 Manuale suport de curs (conform fisei disciplinei de concurs)

A 1.1 Format tipărit/electronic [1] (min. 100 pag).

Nota:

[1] Publicatia este inregistrata in fondul de carte al bibliotecii nationale sau al bibliotecilor universitatilor respective.

N 1.1 Coordonator/prim autor

Denumire Publicație	N 1.1 = numar
Virgil Florescu, Florin Bausic, Dorin Rus - Organe de masini pentru inginerii instalatori, Ed.Matrix Rom, ISBN 978-606-25-0561-5, 158 pag. (2020).	1
TOTAL PARTIAL CRITERIU N 1.2	1

N 1.2 Co-autor

Denumire Publicație	N 1.2 = numar
Florin Bausic, Anton Davidescu, Virgil Florescu - Elements de machines – București, Editura Didactică și Pedagogică, 2014, ISBN 978-973-30-3773-6.	1
TOTAL PARTIAL CRITERIU N 1.2	1

N 1.3 Format electronic disponibil pe platforma universitatii/departamentului (autor)

Denumire Publicație	N 1.3 = numar
Virgil Florescu, Tehnologia materialelor, curs pentru anul I, specializarea Utilaj tehnologic și Mecatronică, curs in format electronic, aflat pe platforma Teams –UTCB, 2019	1
Virgil Florescu, Ingineria reglariei. Elemente de biomecanica, curs in format electronic, aflat pe platforma Teams –UTCB, 2019	1
TOTAL PARTIAL CRITERIU N 1.2	2

A 1.2 Material didactic / Dezvoltare laboratoare, aplicatii

N 2.1 Standuri laboratoare (constructie/modernizari) certificate de directorul de departament

Denumire	N 2.1 = numar
Tribometru universal	1
Stand studiu comportament recipient sub presiune	1
Stand studiu impact pe plan inclinat	1
Stand simulator ascensoare	1
Masina de tractiune - modernizare	1
TOTAL CRITERIU N 2.1	5

N 2.2 Indrumar laborator/carte aplicatii format tiparit sau electronic (autor, co-autor)

Denumire Publicație	N 2.2 = numar
Tudor Zlăteanu, Victoria Dobre, Virgil Florescu, Îndrumător de proiectare pentru un sistem de acționare mecanic, pentru studenții anului III ing. Secția IMRTC și II Colegiu Tehnic și pentru un reductor de turație pentru studenții anului IV seral, multiplicare în atelierele UTCB sub comanda 69/2002	1
Virgil Florescu, Îndrumător pentru proiectarea unui dispozitiv de presare cu șurub, pentru studenții anului II ing. Specializarea Mecatronică, format electronic, aflat pe platforma Teams -UTCB	1
Florin Băușic, Dorin Rus, Virgil Florescu - Pré-dimensionnement d'un arbre droit d'une pompe à engrenages, Ed.Matrix Rom, ISBN 978-606-25-0562-2, 78 pag. (2020).	1
TOTAL CRITERIU N 2.2	3
TOTAL CRITERIU N 2 = N2.1+N2.2+N2.3	8

2. Activitatea de cercetare științifică, dezvoltare tehnologică și inovare – CDI (A 2)

2	Activitatea de cercetare științifică, dezvoltare tehnologică și inovare – CDI (A 2)	Articole și publicații științifice indexate Web of Science Thomson Reuters (WOS) [2], unde n = nr. de autori și FI este factorul de impact [3]	A 2.1	Autor corespondent / prim autor	n ≤ 3	P 1.1 = 2 · (0.2 + FI)
					n ≥ 4	P 1.2 = 2 · 3 · (0.2 + FI) / n
				Co-autor	n ≤ 3	P 1.3 = 0.2 + FI
					n ≥ 4	P 1.4 = 3 · (0.2 + FI) / n
		Articole și publicații științifice BDI [4] neincluse la A 2.1	A 2.2	Autor corespondent / prim autor		N 3.1 = număr
				Co-autor		N 3.2 = număr
		Brevete de invenții indexate [5]	A 2.3	Internationale indexate în Web of Science Derwent Innovation		P 2.1 = același calcul cu A 2.1 și FI = 2
				Nationale indexate OSIM		P 2.2 = același calcul cu A 2.1 și FI = 0.5
		Produse, tehnologii, platforme și servicii inovative (validate conform procedurilor specifice unităților de învățământ superior sau de cercetare)	A 2.4	Coordonator / prim autor		N 4.1 = număr
				Co-autor		N 4.2 = număr
		Monografii / cărți de specialitate ^[2] , format tipărit / electronic (min. 100 pag.)	A 2.5	Coordonator / prim autor		N 4.3 = număr
				Co-autor		N 4.4 = număr

Condiții minime și obligatorii

Activitatea de cercetare (A 2)	A 2.1 + A 2.3	P1 + P2	5	10
		P1	3	6
	A 2.2	N3	8	10
		N3.1	3	5
	A 2.4 + A 2.5	N4	1	2
		N4.3	0	1

Unde:

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.

CENTRALIZATOR

Condiții minime și obligatorii				
Domeniul de activitate		Indicatori	necesar	Realizat
Activitatea de cercetare (A 2)	A 2.1 + A 2.3	P1 + P2	10	19,96
		P1	6	16,66
	A 2.2	N3	10	14
		N3.1	5	5
	A 2.4 + A 2.5	N4	2	3
		N4.3	1	1

A 2.1 Articole și publicații științifice indexate Web of Science Thomson Reuters (WOS) [2], unde n = nr. de autori și FI este factorul de impact [3]

A 2.1 Autor corespondent / prim autor

Nota:

[2] Se exclud publicațiile conferințelor DAAAM și WSEAS

[3] FI este factorul de impact al revistei la data înscrierii la concurs sau la data publicării articolului (cel mai avantajos pentru candidat). Se iau în considerare la această categorie numai revistele cu factor de impact la data publicării articolului. O revistă WOS este echivalentă cu o revistă cotate ISI cf. Ordinului de Ministru (MECTS) nr. 4478/23.06.2011 publicat în Monitorul Oficial, Partea I, nr. 448/27.06.2011.

P 1.1 = 2 · (0.2 + FI); P 1.2 = 2 · 3 · (0.2 + FI) / n; P 1.3 = 0.2 + FI; P 1.4 = 3 · (0.2 + FI) / n;

n = numar autori

Autori	Publicația	n	F.I	P 1.1	P 1.2
<u>Florescu, V</u> ; <u>Mocanu, S</u> ; Rece, L; Motounu, D; Gherghina, A; <u>Burlacu, A</u>	Design Contributions to the Elaboration of New Modeling Schemes for the Buckling Assessment of Hydraulic Actuators, METALS, Volume10, Issue9, Article Number1143, DOI10.3390/met10091143, 2020	6	2,35	-	2,55
<u>Florescu, V</u> ; <u>Mocanu, S</u> ; Rece, L; Ursache R; Goga, N; <u>Marian, CV</u>	Use of a Novel Resistive Strain Sensor Approach in an Experimental and Theoretical Study Concerning Large Spherical Storage Tank Structure Behavior During Its Operational Life and Pressure Tests, SENSORS, Volume 20, Issue 2, Article Number 525, DOI 10.3390/s20020525, 2020	6	3,57	-	3,77
<u>Florescu, V</u> ; <u>Rus, D</u> ; <u>Rece, L</u>	A Study of the Dry Linear Contact Between Glass Fiber-reinforced Composite Materials and Steel, MATERIALE PLASTICE, Volume 56, Issue 3, Page 616-620, 2019	3	1,51	3,42	-
	TOTAL			3,42	6,32
	TOTAL CRITERIU P1.1 + P1.2			9,74	

A 2.1 Co-autor

Autori	Publicația	n	F.I	P 1.3	P 1.4
Capitanu, L, <u>Badita, L</u> , Tiganesteanu, C, Florescu, V,	Influence of the taper on the fretting wear of the femoral stem-femoral head taper junction in total hip prosthesis, Industrial lubrication and tribology, DOI: 10.1108/ILT-08-2021-0320 (2021)	4	1,29		117
<u>Badita, L</u> , Florescu, V, Tiganesteanu, C, Capitanu, L	Modularity of total hip prosthesis and its tribological implications, INDUSTRIAL LUBRICATION AND TRIBOLOGY, DOI10.1108/ILT-06-2021-0219 (2021)	4	1,29		1,117
Rece, L; <u>Florescu, V</u> ; Modrea, A; Jeflea, V; Harnicarova, M; Valicek, J; <u>Borzan, M</u>	Optimization of the 2 1/2 D Processing Method of Complex Parts, through a Predictive Algorithm for Controlling the Geometric Shape Deviations Resulting from Processing, MATHEMATICS, Volume 8, Issue1, Article Number 59, DOI10.3390/math8010059, 2020	7	2,25		0,96
<u>Capitanu, L</u> ; <u>Badita, LL</u> ; Tiganesteanu, C; <u>Florescu, V</u>	The wear of the taper junction of the stem trunnion with the femoral head of a total modular hip prosthesis, JURNAL TRIBOLOGI, Volume 23, Page 61-75, 2019	4	-		0,15
Capitanu, L; Badita, LL and Florescu, V	Initiation of fretting fatigue scar of Ti-6Al-4V alloy dependent on the influence of its surface roughness, JURNAL TRIBOLOGI, Volume 19, Page 19-38, 2018	3	-	0,2	
<u>Legendi, A</u> ; <u>Rece, L</u> ; Pironea, B; <u>Florescu, V</u>	INNOVATIVE CALCULATION METHOD OF THE PRODUCTIVITY OF VIBRATING SCREENS USED IN MINERAL AGGREGATES SORTING	4			0,15

	ROMANIAN JOURNAL OF TRANSPORT INFRASTRUCTURE, Volume 7, Issue 2, Page 1-13, DOI 10.2478/rjti-2018-0008, 2018				
Capitanu, L; Badita, LL and Florescu, V	Investigation a unique scratching of the failure mechanisms of the coatings with TiN thin layers deposited on 316L stainless steel, JURNAL TRIBOLOGI, Volume 17, Page 40-64, 2018	3		0,2	
Capitanu, L; Badita, LL and Florescu, V	The abrasion resistance estimation of the C120 steel by a multi-pass dual-indenter scratch test, JURNAL TRIBOLOGI, Volume 16, Page 30-41, 2018	3		0,2	
Capitanu, L; Florescu, V; Badita, LL;	Damage estimator, a possible way to predict the failure of hip and knee endoprosthesis, INDUSTRIAL LUBRICATION AND TRIBOLOGY, Volume 69, Issue1, Page71-80 DOI10.1108/ILT-11-2015-0178, 2017	3	1,29	1,49	
Capitanu, L; Florescu, V; Badita, LL;	New concept in durability improvement of hip total joint endoprotheses, ACTA OF BIOENGINEERING AND BIOMECHANICS, Volume16, Issue1, Page75-82, DOI10.5277/abb140110, 2014	3	1,07	1,29	
	TOTAL			3,38	3,54
	TOTAL CRITERIU P1.3 + P1.4			6,92	
	TOTAL CRITERIU P1= P1.1 + P1.2+ P1.3 + P1.4			16,66	

A 2.2 Articole si publicatii stiintifice BDI [4] neincluse la A 2.1

Nota:

[4] Bazele de date BDI acceptate sunt: Web of Science, Thomson Reuters (WOS) si SCOPUS.

A 2.2 Autor corespondent / prim autor

Nr. Crt.	Autori	Publicația	N 3.1= numar
1	Florescu, V; Mocanu, S; Neagu, A; Sescu-Gal, C	Research on the parameters influencing the numerical analysis of the fatigue behaviour of a forklift-arm, Romanian journal of transport infrastructure, Volume10, Issue1, Page1-10, DOI10.2478/rjti-2021-0001, JUL 2021	1
2	Florescu, V; Rece, L; Mocanu S; Legendi, A	Comparative study on the applicability of analytical and experimental methods in the analysis of the safe use of rail tankers carrying petroleum products under pressure, Romanian journal of transport infrastructure, Volume 7, Issue 1, Page 107-116, DOI 10.2478/rjti-2018-0007, 2018	1
3	Florescu, V., Rece, L., Gherghina, A., Tudorache, A.	Modelling the durability of multibody total hip joint prosthesis, Surveys in Mathematics and its Applicationsthis link is disabled, 15, pp. 545–560, 2020	1
4	Florescu, V., Isvoranu, F.L. Tiganesteanu, C. Badita, L-L.	Contributions concerning the influence of the running-in on the roughness of the surfaces with plane contact of the friction couple, International Journal of Mechatronics and Applied Mechanics,	1

		Issue 7, DOI: 10.17683/ijomam/issue7.23, 2020	
5	Florescu, V; Capitanu L	On the load transfer mechanism in mom total hip prostheses with self-directed balls, 5th World Tribology Congress, WTC 2013 2013 Conference paper, EID: 2-s2.0-84919443134	1
		TOTAL CRITERIU N 3.1	5

A 2.1 Co-autor

Nr. Crt	Autori	Publicația	N 3.2= numar
1	<u>Capitanu, L; Badita, LL</u> ; Florescu, V; Tiganesteanu, C; <u>Isvoranu, LF</u> ,	<u>Fretting manifestations in total hip prosthesis</u> , 14th International Conference on Tribology (ROTRIB) 2020 INTERNATIONAL CONFERENCE ON TRIBOLOGY (ROTRIB'19) 724 Book Series, IOP Conference Series-Materials Science and Engineering, Volume 724, Article Number 012057, DOI 10.1088/1757-899X/724/1/012057, 2020	1
2	Capitanu, L; Badita, LL; Florescu, V;	<u>Primary stability of uncemented acetabular liner of a total hip prosthesis using an axisymmetric finite element method based on computed tomography</u> , 8TH INTERNATIONAL CONFERENCE ON ADVANCED CONCEPTS IN MECHANICAL ENGINEERING, Book Series, IOP Conference Series-Materials Science and Engineering, Volume 444, Article Number 032001, DOI 10.1088/1757-899X/444/3/032001, 2018	1
3	Capitanu, L; Badita, LL; Florescu, V; Tiganesteanu, C;	Roughness Influence on Initiation of Fretting Fatigue Scar of Ti-6Al-4V Alloy, 9TH INTERNATIONAL CONFERENCE ON TRIBOLOGY (BALKANTRIB'17) Book Series, IOP Conference Series-Materials Science and Engineering, Volume 295, Article Number 012022, DOI 10.1088/1757-99X/295/1/012022, 2018	1
4	Rus, D; Florescu, V; Bausic, F; Ursache, R; Sasu, A,	Graphical assessment of the linear contact steel on composite material at high temperature and pressure, 9TH INTERNATIONAL CONFERENCE ON TRIBOLOGY (BALKANTRIB'17) 295, Book Series, IOP Conference Series-Materials Science and Engineering, Volume 295, Article Number 012014, DOI 10.1088/1757-899X/295/1/012014, 2018	1
5	Rus, D; Florescu, V; Bausic, F; Ursache, R; Sasu, A	An analytical interpretation of the high temperature linear contact between composite materials reinforced with glass fibers and steel 9TH INTERNATIONAL CONFERENCE ON TRIBOLOGY (BALKANTRIB'17) 295, Book Series, IOP Conference Series-Materials Science and Engineering, Volume 295, Article Number 012015, DOI 10.1088/1757-899X/295/1/012015, 2018	1
6	Capitanu, L; Badita, LL; Florescu, V;	Stability loss of the cemented stem of hip prosthesis due to fretting corrosion fatigue, Tribology in Industry, Volume 39, Issue 4, Pages 536-546 DOI: 10.24874/ti.2017.39.04.13, 2017	1
7	Capitanu, L;	High precision measurement technique of very small	1

	Florescu , V; Badita, LL	quantities of metallic wear, Romanian Review Precision Mechanics, Optics and Mechatronics, Volume 2016, Issue 50, Pages 217-222, 2016	
8	Rus, D., Capitanu, L., Florescu, V.	About an experimental modeling of steel surfaces wear in injection of plastic composites with short glass fibres, Applied Mechanics and Materials, Volume 658, Pages 365-370, 2014DOI: 10.4028/www.scientific.net/AMM.658.365	1
9	Capitanu, L., Florescu, V.	Wear prediction of acetabular inserts due to multiple human routine activities, 5th World Tribology Congress, WTC 2013 2013 Conference paper, EID: 2-s2.0-84919438981	1
		TOTAL CRITERIU N 3.2	9
		TOTAL CRITERIU N 3 = N3.1 + N3.2	14

A 2.3 Brevete de inventii indexate

A 2.3 Internationale indexate in Web of Science Derwent Innovation

Nota:

P 2.1 = acelasi calcul cu A 2.1 si FI = 2

Inventatori	Denumire Brevet	P 2.1
Florescu V; Mocanu S; M. Savaniu; Rece L;	Multifunctional articulated medical chair used for medical transportation, has actuation system that is placed for its conversion into stretcher, and is provided four hinges with locking unit, as well as handle for transportation, Derwent Primary Accession Number 2019-40691E, International Patent Classification A61G-001/017convertible into chairs [5]A61G-001/02	3,3
	TOTAL CRITERIU P2= P2.1 + P2.2	3,3

A 2.4 Produse, tehnologii, platforme si servicii inovative (validate conform procedurilor specifice unitatilor de invatamant superior sau de cercetare)

A 2.5 Monografii / carti de specialitate[2], format tiparit / electronic (min. 100 pag.)

Autor corespondent / prim autor

Autori	Publicația	N 4.3= numar
V.Florescu, L.Capitanu	An Overview of the Researches on Hip Prosthesis with Rolling Friction, LAP Lambert Academic Publishing (2015) ISBN 10: 3659797766 ISBN 13: 9783659797767	1
	TOTAL CRITERIU N 4.3	1

Co-autor

Autori	Publicația	N 4.4= numar
L. Capitanu, V. Florescu	Biotribologia protezelor de sold. Ed. BREN. Bucuresti (2002). pp.1-202, ISBN 973 – 648 – 081- X	1
Capitanu, L. Florescu, V. Badita, L.-L. Vladareanu, L. Tiganesteanu, C.	Complex procedure for evaluating and predicting the wear of a total knee prosthesis tibial tray, Book Chapter in New Developments in Knee Prosthesis Research, Publisher: Nova Science Publishers, Inc., ISBN: 978-163482-753-9;978-163482700-3, 2015	1
	TOTAL CRITERIU N 4.4	2
	TOTAL CRITERIU N 4 = N4.3+N4.4	3

3. Recunoasterea si impactul activitatii – RIA (A 3)

3	Recunoasterea si impactul activitatii – RIA (A 3)	Atragere resurse financiare prin granturi / proiecte / contracte terti	A 3.1	Director sau responsabil partener la grant / proiect castigat prin competitie nationala sau internationala	$S1^{[6]} = \text{suma echivalenta in mii Euro}^{[6]}$
				Membri in echipa la grant / proiect castigat prin competitie nationala sau internationala, proiecte/contracte terti	$S2^{[7]} = \text{suma echivalenta in mii Euro}^{[8]}$
		Prezentarea/Diseminarea rezultatelor, prezenta la manifestari stiintifice in calitate de autor/co-autor de lucru; profesor invitat	A 3.2	Congrese / conferinte / workshopuri internationale; profesor invitat la universitati / institute din strainatate	$N 5 = \text{numar}$
		Citari in publicatii BDI [5] (se exclud autocitarile)	A 3.3	CI = numarul de citari $S_{11} = \text{suma factorilor de impact al publicatiilor WOS in care apar citarile}$	$C = CI = S_{11}$

Condiții minime și obligatorii

Recunoasterea impactului activitatii (A 3)	A 3.1	$S1+S2$	10	50	10	50
	A 3.2	$N5$	5	10	5	10
	A 3.3	C	10	25	10	25

CENTRALIZATOR

Conditii minime si obligatorii				
Domeniul de activitate		Indicatori	Necesar	Realizat
Recunoasterea impactului activitatii (A 3)	A 3.1	$S1+S2$	50	168*
	A 3.2	$N5$	10	29
	A 3.3	C	25	59,34**

*(fara a lua in calcul proiectul in derulare si proiectele derulate in cadrul Institutului de Mecanica Solidelor al Academiei Romane sau inainte de obținerea titlului de conferentiar universitar– a se vedea anexa FA-1)

** Calculul si justificarea in Tabelul A3.3

4. Recunoasterea si impactul activitatii – RIA (A 3)

A 3.1 Atragere resurse financiare prin granturi / proiecte / contracte terci

Nota:

S1 ; S2 = suma echivalenta in mii Euro

A 3.1 Director sau responsabil partener la grant / proiect castigat prin competitie nationala sau internationala

Nr. Crt.	grant / proiect castigat prin competitie	S1
1	2. FDI :Cod final de înregistrare: CNFIS-FDI-2021-0147 Denumire instituție: UNIVERSITATEA TEHNICA DE CONSTRUCTII BUCURESTI Titlu proiect: Baze de practică în UTCB pentru domeniul construcțiilor inteligente Domeniu vizat: 3.Asigurarea funcționării în bune condiții a grădinilor botanice universitare, a stațiunilor didactice, a bazelor de practică și a altor infrastructuri de susținere a activităților didactice, similare bazelor de practică, din cadrul universităților, folosite pentru instruirea studenților (2021) 281.450,96 LEI – (56858 EURO) 1 EURO = 4,95 LEI (iunie 2021)	56
2	Conducere proiect partener POCU/380/6/2013, cod SMIS 124539 - Burse pentru educatia antreprenoriala in randul doctoranzilor si cercetatorilor postdoctorat (Be Antreprenor!)(2018 - 2020) (iunie2018) 137637 LEI – (29535 EURO) 1 EURO = 4,66 LEI	29
3	Realizarea rețelei de laboratoare de cercetare în domeniul materialelor dure si extradure, contract de finantare, INCDMF Bucuresti. Program – MATERIALE NOI, MICRO SI NANOTEHNOLOGII – MATNANTECH; Subprogram S 10 /CP-R, cu finantare 2001 – 2004 12000 LEI	*
Total partial criteriu A 3.1		85

A 3.1 Membru in echipa la grant / proiect castigat prin competitie nationala sau internationala, proiecte/contracte terci

Nr. Crt.	grant / proiect castigat prin competitie	S2
1	POCU/90/6.13/6.14/107505 - Facilitarea tranziției studenților de la școală la viață activă prin intermediul stagiilor de practică în domeniul tehnologiilor destinate orașelor inteligente și soluțiilor de infrastructuri integrate din zone urbane aglomerate – CONSIMAT” (2019 – 2020) 373345,22 LEI – (80116 EURO) 1 EURO = 4,72 LEI (iunie 2019)	80
2	POCU/320/6/21/122333 - Oferte educaționale noi și flexibile în învățământul terțiar universitar și non-universitar tehnic conforme cu cerințele pieței muncii în schimbare – in derulare 18 000 LEI – (3636 EURO) 1 EURO = 4,95 LEI (iunie 2021)	3
3	Cercetari privind comportarea materialului duzei in contact cu mediul	*

	de taiere, Contract de cercetare dezvoltare nr.8/2001, INCDMF – CEFIN Bucuresti	
4	Cercetari privind sesizarea prin efect piezoelectric a nivelului lichidelor vascoase periculoase in incinte tehnologice inchise, Grant MEC nr. 6109/2001	*
5	Modelarea experimentală a fenomenelor tribologice in procesele de aschiere, Grant Agentia Nationala pentru Stiinta, Tehnologie, Inovare nr. 6025/2000..	*
6	Solutii tribologice pentru cresterea eficientei proceselor prin aschiere a metalelor, Grant Agentia Nationala pentru Stiinta, Tehnologie, Inovare nr. 5208/1999.	*
7	Comportarea tribologica a protezelor ortopedice de sold, Contract nr. 559/1999 ORIZONT 2000.	*
8	Sesizarea nivelului constant (maxim, mediu, minim) in incinte cu mediu toxic, exploziv sau radioactiv, prin vibratii, Contract nr.298/1999 ORIZONT 2000.	*
9	Cercetari asupra comportarii tribologice a materialelor plastice si metalice biocompatibile, Grant Academia Romana nr. 117/1999.	*
10	Cercetari asupra comportarii tribologice a unor materiale termoplastice (poliamide, polycarbonati si polietilene) nearmate si armate cu fibre de sticla, Grant Academia Romana nr. 121/1998.	*
11	Tribologia diamantului monocristalin, Grant Academia Romana nr. 5592/1996.	*
	Total partial criteriu A 3.1 (membru echipă)	83
	Total criteriu A3.1 (fara a lua in calcul proiectul in derulare si proiectele derulate in cadrul Institutului de Mecanica Solidelor al Academiei Romane sau inainte de obținerea titlului de conferentiar universitar– a se vedea anexa FA-1)	168

***Deși in anexa FA-1 (adeverințe din partea angajatorilor), atașată, sunt trecute sumele in lei pentru anii în care s-au derulat contractele, acestea nu au mai fost convertite, criteriul fiind indeplinit**

A 3.2 Prezentarea/Diseminarea rezultatelor; prezenta la manifestari stiintifice in calitate de autor/co-autor de lucrari; profesor invitat N5 = numar

A 3.2 Congrese / conferinte / workshopuri internationale; profesor invitat la universitati / institute din strainatate

Nr. Crt.	Lucrare	N5 = numar
	CONFERINTE INTERNATIONALE	
1	L. Capitanu, LL. Badita, V. Florescu, C. Tiganesteanu, Roughness Influence on Initiation of Fretting Fatigue Scar of Ti-6Al-4V Alloy, Proceedings Book of 9 th International Conference on Tribology, BALKANTRIB 2017, pp. 394-406, ISBN: 978-605-679020-1.	Punctat criteriu anterior
2	L. Capitanu, LL. Badita, V. Florescu, C. Tiganesteanu, Primary stability analysis of uncemented acetabular liner using an axisymmetric	Punctat criteriu

	finite element method based on computed tomography", BALKANTRIB 2017, 13-15 September, Cappadocia, Turkey Abstract Book, pp. 107.	anterior
3	D. Rus, V. Florescu, A. Sasu, R. Ursache, A graphic analytical modeling linear contact between steel and composite materials reinforced with glass fibers at high pressures and temperatures. 15th CONFERENCE ON TRIBOLOGY – 17-18 MAY 2017, Kragujevac, Serbia. http://www.serbiatrib.mfkg.rs/preliminary%20programme%202017.pdf .	1
4	V. Florescu, L. Capitanu, D. Rus, A. Sasu, R. Ursache, Investigation of the failure behavior of tin coating on biocompatible stainless steel applied on metal-on- metal total hip prostheses with self directed balls. 15th INTERNATIONAL CONFERENCE ON TRIBOLOGY, 17 – 19 mai 2017, Kragujevac, Serbia. http://www.serbiatrib.mfkg.rs/preliminary%20programme%202017.pdf .	1
5	L. Capitanu, LL. Badita, V. Florescu, Stability Loss of the Cemented Stem of Hip Prosthesis Due to Fretting Corrosion Fatigue", in SERBIATRIB Proceedings 2017, pp. 617630, ISBN 978-86-6335-041-0. 10.24874/ti.2017.39.04.13. Serbiatrib 0354-8996 (print), 2217-7965 (online).	1
6	D. Rus, V. Florescu, F. Baušić, Graphical assessment of the linear contact steel on composite material at high temperature and pressure. 10.1088/1757-899X/295/1/012014. 9 th International Conference on Tribology (Balkantrib). Turkey 13-15 sept 2017 vol. 5295. Art nr UNSP 012014/2018. ISSN 1757-8981. 8https://www-w6ebofscience-com.am.e-nformation.ro/wos/woscc/fu9ll-rec7ord/WOS:000448617300014	Punctat criteriu anterior
7	D. Rus, V. Florescu, F. Baušić, An analytical interpretation of the high temperature linear contact between composite materials reinforced with glass fibers and steel. 10.1088/1757-899X/295/1/012015. 9 th International Conference on Tribology (Balkantrib). Turkey 13-15 sept 2017 vol. 295. Art nr UNSP 012015/2018. ISSN 1757-8981. https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000448617300015	Punctat criteriu anterior
8	V. Florescu, L. Capitanu, LL. Badita, Testing Adhesion of the Coating with Thin Layers by the Inclined Cyclic Impact", Proceedings of the 4th International Conference on Advances in Mechanical Engineering ISCAME 2016, pp. 178-183.	1
9	V. Florescu, L. Capitanu, D. Rus, Wear modeling of steel surfaces to the flow under pressure of melts polymers with SGF, The 4th/2014 International Conference on Materials and Products Manufacturing Technology MPMT 2014 China, oct. 2014	1
10	C. Tiganesteanu, L. Capitanu, V. Florescu, Conical Tip Wear in Transition Deformation – Wear Map Construction under Cyclic Impact of Hardness Ceramic Materials the 4th International Conference on Energy, Environment and Sustainable Development (EESD 2014) China oct. 2014	1
11	V. Florescu, L. Capitanu, D. Rus, A Global Tribological Approach of Friction Dry Contact Polymer with SGF on Steel, in Terms of Consequences on Metallic Surface Condition (Comparative Wear Coefficients of Steel Surface) the 3rd International Conference on	1

	Applied Mechanics and Materials (ICAMM 2014), China, nov 2014	
12	L. Capitanu, D. Rus, V. Florescu, A qualitative-quantitative correlation of friction and wear processes of steel surfaces in linear dry contact with SGF. The 8th International Conference on Tribology, Sinaia 30 oct – 1 nov 2014	1
13	L. Capitanu, V. Florescu, D. Rus, C. Tiganesteanu, An Experimental Modeling of Steel Surfaces Wear in Injection of Plastic Materials with Short Glass Fibres. The 8 th International Conference on Tribology, Sinaia 30 oct - 1 nov 2014.	1
14	L. Capitanu, LL. Badita, V. Florescu, D.C. Bursuc, Preliminary Study on the Seizure Trend of a MOM-THP with Self-directed Balls, in SERBIATRIB Proceedings 2013, pp. 331-340, ISBN 978-86-86663-98-6.	1
15	V. Florescu, LL. Badita, Gh. Gheorghe, L. Capitanu, TKP Tibial Tray Failure due to the Fatigue Wear", 19th Congress of the European Society of Biomechanics (ESB2013), S 51.2 - 131, University of Patras, Greece, 25-28 August 2013.	1
16	L. Capitanu, V. Florescu, Wear Prediction of Acetabulum Inserts due to Multiple Routine Activities. Proceedings of the World Tribology Congress 2013, Torino, Italy, September 8-13, 2013, pp. 907-910. ISBN 978-88-908185.	Punctat criteriu anterior
17	V. Florescu, L. Capitanu, On the Load Transfer Mechanism in MOM Total Hip Prostheses with Self-directed Balls. Proceedings of the World Tribology Congress 2013, Torino, Italy, September 8-13, 2013, pp. 858-861. ISBN 978-88-908185.	Punctat Criteriu anterior
18	L. Capitanu, V. Florescu, D.C. Bursuc, A solution for improving seizure resistance on metal on metal total hip prostheses with self directed balls. Bultrib' 13, Sofia, 24-26 October, 2013.	1
19	D. Rus, V. Florescu, L. Capitanu, Modeling possibilities of very high temperature and pressures at friction contact plastics filled with glass fibers on steel. Bultrib' 13, Sofia, 24-26 October, 2013.	1
20	L. Capitanu, V. Florescu, Wear Aspects of Polymer Composites in Friction on Polished Steel Surfaces. 39 th Leeds - Lyon Symposium on Tribology, 4-7 September 2012, Leeds, UK.	1
21	L. Capitanu, LL. Badita, V. Florescu, L. Duta, I. N. Mihailescu, R. Mirescu, A possible new thin coating solution for scratch resistance of femoral head of total hip prosthesis. BulTrib 2012, October 19-20, Sofia, Bulgaria.	1
22	L. Capitanu, V. Florescu, LL. Badita, A new concept in durability improvement of hip total endoprotheses, in BIOMECHANICS 2012 - International Conference of the Polish Society of Biomechanics, Book of Abstracts 2012, pp. 47-50, Editors: Romuald Bedzinski, Eugeniusz Sajewicz, Szczepan Piszczatowski, ISBN 978-83-62582-26-6.	1
23	V. Florescu, L. Capitanu, LL. Badita, About Loosening Dynamics of Total Hip Prostheses", Proceedings of ESB2012 - 18th Congress of the European Society of Biomechanics, Lisbon, Portugal, 1-4 July 2012.	1
24	L. Capitanu, V. Florescu, LL. Badita, D.C. Bursuc, About failure uncemented hip replacements from fracture stem prosthesis", Proceedings of ESB 2012 - 18th Congress of the European Society of Biomechanics, Lisbon, Portugal, 1-4 July 2012.	1
25	LL. Badita, L. Capitanu, V. Florescu, Coatings Durability of the Femoral Heads", in ESMC 2012 - 8th European Solid Mechanics Conference, Graz, Austria, 9-13 July 2012, Book of Abstracts, Editors: Gerhard A. Holzapfel,	1

	Ray W. Ogden, ISBN: 978-3-85125-223-1.	
26	L.Capitanu, A.Iarovici, V.Florescu, M.Baubec, Contact Mechanism Estimation of an Artificial Hip Joint Prostheses with Rolling Bodies, Proceedings of Mediterranean Trib 2002, Kayseri, Turkey, pp.273-281.	1
27	L. Capitanu, V. Florescu, L.Vladareanu, Cereal Crops Leveling Detector using Piezoelectric Effect, International Conference on Agricultural Engineering AGENG 2002, Budapest, Hungary, p.205-209, 27-28 June 2002.	1
28	L.Capitanu, V.Florescu, Tribological aspects of a new design of hip prosthesis with rolling bodies having, The 7 th International Conference on Tribology ,Budapest , pag. 191-194, 4-5 September 2000.	1
29	V.Florescu, L.Capitanu, The real area and its influence on wear rate evolution for lubricated metallic friction pair, with surface contact, The 7 th International Conference on Tribology, Budapest. pag. 121-123, 4-5 September 2000.	1
30	L.Capitanu, V.Florescu, F.Petrescu, Tribological aspects of wear of hip joints prosthesis, The First Mediterranean Tribology Conference, Jerusalem, pag. 7/1-7/5, 8-9 November 2000.	1
31	V.Florescu, L.Capitanu, F.Petrescu, Some aspects about the wear of hip joints prosthesis materials, The First Mediteranean Tribology Conference, Jerusalem, pag. 8/1-8/4, 8-9 November 2000.	1
32	D. Pavelescu, V. Florescu, The Accuracy of the Plasticity Index, publicat in Revue Roumaine des sciences techniques – serie de MECANIQUE APPLIQUEE – TOME 42 si prezentata la Balkantrib, Sinaia 02-04 iunie 1999 p.93-97.	1
33	V. Florescu, Experimental method for real contact area measurement - Matrib 99 - Mai 1999 Trogir Croatoatia	1
34	L.Capitanu, L.Popa, V.Florescu, The wear mechanism to the friction contact of thermoplastic materials on the metalic surface, Matrib 99 Trogir – Croatia, pag. 23-29, 26-27 mai 1999.	1
35	L.Capitanu, V.Florescu, Some aspects of wear mechanism of thermoplastic materials, Balkantrib, Sinaia, pag. 403-408, 02-04 iunie 1999.	1
	TOTAL PARTIAL CRITERIU A3.2.	29
	LUCRARI PUBLICE IN VOLUMELE CONFERINTELOR NATIONALE	
1	L. Capitanu, LL. Badita, C. Tiganesteanu, V. Florescu, F. Isvoranu, Fretting Manifestations in total Hip Prosthesis, Acta Electrotehnica, vol. 61, no 1-2, pg. 15-33 (2019), special issue Proceedings of the XXX th Annual Symposium of the Institute of Solid Mechanics and Session of the Commission of Acoustics SISOM 2019, Bucharest, Mediamira Publishing House.	1
2	V. Florescu, R. Ursache, A. Sasu, Total hip prostheses with self-directed balls. Al XXV-lea Simpozion National de Utilaje pentru Constructii SINUC 2019. 13 noiembrie. http://www.sinuc.utilajutcb.ro/ ISSN 2285-9209 ISSN-L 2285-9209.	1
3	L. Capitanu, LL. Badita, C. Tiganesteanu, V. Florescu, Friction and Contact Stress Analysis during the Fretting Fatigue, SISOM 2017 Proceedings, Bucharest 18-19 May, pp. 26-44.	1

4	R. Dorin, V. Florescu, O imagine pentru uzarea de volum a suprafețelor din oțel în contactul linear uscat cu polimeri armati cu fibra de sticlă. Al XXIII-lea Simpozion National de Utilaje pentru Constructii SINUC 2017. 3 noiembrie. http://www.sinuc.utilajutcb.ro/ . ISSN 2285-9209 ISSN-L 2285-9209.	1
5	D. Rus, V. Florescu, O imagine globală a contactului linear uscat între materialele compozite armate cu fibre de sticlă pe oțel. Al XXIII-lea Simpozion National de Utilaje pentru Constructii SINUC 2017. 3 noiembrie. http://www.sinuc.utilajutcb.ro/ . ISSN 2285-9209 ISSN-L 2285-9209.	1
6	L. Capitanu, V. Florescu, LL. Badita, C. Tiganesteanu, Adhesion of the Coatings with Thin Layers Testing by the Inclined Cyclic Impact, SISOM 2016 Proceedings, Bucharest 12-13 May, pp. 92-102.	1
7	V. Florescu, R. Dorin, Considerații asupra dimensionării virolelor recipientelor sub presiune având destinație stocarea gazelor petroliere lichefiate. SINUC 2009, Bucuresti, decembrie 2009. Ed. CONSPRESS. ISBN-978-973-100-050-3.	1
8	T. Zlateanu, V. Florescu, Schelă mobilă pentru lucrări de construcții și întreținere la clădiri p + 1. proiectare și simulare cu ajutorul metodei elementului finit. SINUC 2008, Bucuresti, decembrie 2008. Ed. CONSPRESS. ISBN-978-973-100-050-3.	1
9	V. Florescu, R. Dorin, Aspecte privind comportamentul recipientelor sub presiune. SINUC 2008, Bucuresti, decembrie 2008. Ed. CONSPRESS. ISBN-978-973-100-050-3	1
10	T. Zlateanu, V. Florescu, Proiectarea în 3D și analiza stării de tensiune și deformare, utilizând metoda elementului finit, în axele mecanismului cu bare de tip pantograf din componența robotului mobil universal pentru construcții cu 7 grade de libertate. SINUC 2006, Bucuresti, decembrie 2006	1
11	T. Zlateanu, V. Florescu, Determinarea stării de tensiune și deformare în carcasa inferioară a unui reductor cilindric utilizând metoda elementului finit, SINUC 2005, Bucuresti, decembrie 2005	1
12	T. Zlateanu, V. Florescu, Determinarea stării de tensiune și deformare într-un rezervor cilindric de gaz utilizând metoda elementului finit, SINUC 2005, Bucuresti, decembrie 2005	1
13	L. Capitanu, A.Iarovici, J.Onisoru, Comparative Wearing Coefficient – A Possible Way For Tribological Characterization Of Frictional Couples, Proceedings of SISOM-2004, Bucharest, 20-21 May, pp.222-229. ISBN (10) 973-27-1353	1
14	A.Iarovici, L. Capitanu, J. Onisoru, M. Baubec, V. Florescu, Stresses and Deformations Analysis for Hip Joint Prosthesis with Rolling Bodies. The Annual Symposium of the Institute of Solid Mechanics, SISOM, Bucharest, May 16-17, pag. 263-268, 2002	1
15	A. Iarovici, L. Capitanu, V. Florescu, M. Baubec, F. Petrescu, Hip Joint Prosthesis with Rolling Bodies. Part I- The Balls Arrangement Analysis, The Annual Simpozion of the Institute of Solid Mechanics, SISOM, Bucharest, 24-25 May , pag. 251-258, 2001	1
16	A. Iarovici, L. Capitanu, V. Florescu, M. Baubec, Hip Joint Prosthesis with Rolling Bodies, Proceedings of the Romanian Academy, Series A, 2001.	1

17	A. Iarovici, L. Capitanu, V. Florescu, M. Baubec, F. Petrescu - Hip Joint Prosthesis with Rolling Bodeies. Part II, Numerical and Graphycal Examples, The Annual Sympozion of the Institute of Solid Mechanics, SISOM ,Bucharest, 24-25 May , pag. 259-262, 2001.	1
18	L.Capitanu, V.Florescu, G.Teodorescu, F.Petrescu, Pulverulent Materials constant Levelling Detector realized in Closed Vessel, using Piezoelectric Effect, The Annual Sympozion of the Institute of Solid Mechanics, SISOM ,Bucharest, 24-25 May , pag. 264-270, 2001	1
18	L.Capitanu, V.Florescu, F.Petrescu, Experimental Studies of hip Replacement, The Annual Sympozion of the Institute of Solid Mechanics, SISOM, Bucharest, 24-25 May , pag. 271-274, 2000.	1
20	L.Capitanu, V.Florescu, M.Baubec, Transfer processes by cyclic loads on composite plastic materials/steel surfaces contact, The Annual Symposium of Solid Mechanics, Bucharest, pag. 325-342, 1999.	1
21	L. Capitanu, V. Florescu, L. Popa, Some aspects regarding the friction contact of thermoplastic materials on steel, International Conference of Institute of Mechanical Solids, Bucharest, pag. 113-120, 26-27 november, 1998.	1
22	V. Florescu, The determination of the real contact area of superior couple by means of electrical method, International Conferece of Institute of Mechanical Solids SISOM 98 - Bucharest, decembrie 1998	1
23	L. Capitanu, V. Florescu, F.Udrescu, About theoretical model of mating pressure to the total hip joints, The Annual Symposium of Solid Mechanics, Bucharest, pag. 235-242, 1997.	1
24	V. Florescu, Reassesment of replica method. International symposium of the Romanian Academy SISOM 97, 1997	1
25	V. Florescu, L.Capitanu, Prezentarea unei proteze totale de sold cu mişcare de rostogolire, Expunere la Academia Medicala – Asociația Ortopezilor din România, noiembrie 1997.	1
26	L. Capitanu, V. Florescu, Asupra unor aspecte tribologice la protezele totale de sold. O posibila soluție tehnica in implanturile ortopedice cu caracteristici tribologice imbunatatite, 7-th. International Conference on Tribology, pag. 366-373, ROTRIB 96.	1
27	L. Capitanu, V. Florescu, F. Udrescu, Some aspects concerning the straints of the pivot type articulation having rolling bodies and those influence in friction and wear process, with application in orthopedic implants , The Annual Symposium of the Institute of Solid Mechanics, Bucharest, pag. 206-211, 1996.	1
28	L. Capitanu, V. Florescu, Articulație sferică cu corpuri de rostogolire, cu aplicație în implanturi ortopedice, Simpozionul Tehnologii speciale și neconvenționale, Galați, octombrie 1995.	1
TOTAL PARTIAL CRITERIU A3.2.		28

A 3.3 Citări în publicații BDI

Tabelul A3.3

Citari in publicatii

WOS (se exclud autocitările)

Results found
Sum of the Times Cited
Average Citations per Item
h-index

Citations of Florescu V (Cited Author)

28
108
3,86
5

nr. crt	Lucrarea care citeaza	autori	publicatia	anul citarii	Volum	pagina	factor impact	punctaj*
1	Tribological behaviors of quartz sand particles for hydraulic fracturing	Yang, Liu; Wang, Deguo; Guo, Yanbao; Liu, Shuhai	TRIBOLOGY INTERNATIONAL	OCT 2016	102	485 - 496	4,87	5,87
2	A qualitative correlation between friction coefficient and steel surface wear in linear dry sliding contact to polymers with SGF	Rus, Dorin; Capitanu, Lucian; Badita, Liliana-Laura	FRICITION	MAR 2014	2(1)	47-57	6,14	7,14
3	Tribological behavior of a Ta-based coating on a Co-Cr-Mo alloy	Balagna, Cristina; Faga, Maria Giulia; Spriano, Silvia	SURFACE & COATINGS TECHNOLOGY	NOV 15 2014	256	1159-1170	4,15	5,15
4	Reverse engineering based integrity assessment of a total hip prosthesis	Babic, Milena; Veric, Ozren; Bozic, Zeljko; Susic, Aleksandar	ECF22 - LOADING AND ENVIRONMENTAL EFFECTS ON STRUCTURAL INTEGRITY	2018			0	1
5	A comparative analysis of internal bone remodelling concepts in a novel implant for direct skeletal attachment of limb prosthesis evaluation: A finite element analysis	Prochor, Piotr; Sajewicz, Eugeniusz	PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART H-JOURNAL OF ENGINEERING IN MEDICINE	MAR 2018	22 issue3	289-298	1,617	2,61
6	Spring Failure Analysis of Mining Vibrating Screens: Numerical and Experimental Studies	Liu, Yue; Meng, Guoying; Suo, Shuangfu; Li, Dong; Wang, Aiming; Cheng, Xiaohan; Yang, Jie	APPLIED SCIENCES-BASEL	AUG 2019			2,67	3,67
7	Neuro-Fuzzy Modelling of the Metallic Surface Characterization on Linear Dry Contact between Plastic Material Reinforced with SGF and Alloyed Steel	Vladareanu, Victor; Capitanu, Lucian; Vladareanu, Luige	MATERIALS	JUL 2018	11 issue 7		2,972	3,97

8	Biomechanical evaluation of a novel Limb Prosthesis Osseointegrated Fixation System designed to combine the advantages of interference-fit and threaded solutions	Prochor, Piotr; Piszczatowski, Szczepan; Sajewicz, Eugeniusz	ACTA OF BIOENGINEERING AND BIOMECHANICS	2016			1.073	2,07
9	New concept in durability improvement of hip total joint endoprostheses	Capitanu, Lucian; Florescu, Virgil; Badita, Liliana-Laura	ACTA OF BIOENGINEERING AND BIOMECHANICS	2014				0
10	Laser micro & nano surface texturing for enhancing osseointegration and antimicrobial effect of biomaterials: A review	Sirdeshmukh, Neelesh; Dongre, Ganesh	MATERIALS TODAY- PROCEEDINGS	2021			0	1
11	The Influence of Geometry of Implants for Direct Skeletal Attachment of Limb Prosthesis on Rehabilitation Program and Stress-Shielding Intensity	Prochor, Piotr; Sajewicz, Eugeniusz	BIOMED RESEARCH INTERNATIONAL	JUL 8 2019	art no 6067952		3,411	4,411
12	Analytical and computational sliding wear prediction in a novel knee implant: a case study	Hussin, Mohd Sabri; Fernandez, Justin; Ramezani, Maziar; Kumar, Pranesh; Kelly, Piaras A.	COMPUTER METHODS IN BIOMECHANICS AND BIOMEDICAL ENGINEERING	MAR 11 2020	23/ Issue 4	143 - 154	1,76	2,76
13	A neural network approach to the steel surface wear on linear dry contact, plastic material reinforced with SGF/steel	Capitanu, Lucian; Vladareanu, Victor; Vladareanu, Luige; Badita, Liliana-Laura	JURNAL TRIBOLOGI	SEP 2019	22	75-108	0	1
14	CONTRIBUTIONS TO THE IMPROVEMENT OF THE TRIBOLOGICAL BEHAVIOUR OF HIP IMPLANT JOINTS	Mihai, Simona; Filip, Viviana; Vladescu, Mircea	JOURNAL OF SCIENCE AND ARTS	2016	issue 2	177 - 184	0	1
15	Numerical Analysis of the Influence of Porosity and Pore Geometry on Functionality of Scaffolds Designated for Orthopedic Regenerative Medicine	Prochor, Piotr; Gryko, Anita	MATERIALS	JAN 2021	14Issue1	art 109	3,623	4,62
16	Finite element analysis on nano-indentation behavior in columnar 7YSZ EB-PVD thermal barrier coatings	Kadam, Nikhil Rajendra; Karthikeyan, G.; Kulkarni, Dhananjay	JURNAL TRIBOLOGI	SEP 2019	22	ian.17	0	1



17	Friction and wear behaviors of sand particle against casing steel	Yang, Liu; Wang, Deguo; Guo, Yanbao; Liu, Shuhai	PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART J-JOURNAL OF ENGINEERING TRIBOLOGY	MAR 2019	233 Issue3	393-405	1,674	2,67
18	A Comparative Analysis of Standardised Threads for Use in Implants for Direct Skeletal Attachment of Limb Prosthesis: A Finite Element Analysis	Prochor, Piotr; Sajewicz, Eugeniusz	APPLIED BIONICS AND BIOMECHANICS	2019	art 8027064		1,781	2,78
19	INNOVATIVE CALCULATION METHOD OF THE PRODUCTIVITY OF VIBRATING SCREENS USED IN MINERAL AGGREGATES SORTING	Legendi, Amelitta; Rece, Laurentiu; Pironea, Andreea Dora Bianca; Florescu, Virgil	ROMANIAN JOURNAL OF TRANSPORT INFRASTRUCTURE	DEC 2018			-	0
20	Modularity of total hip prosthesis and its tribological implications	Badita, Liliana-Laura; Florescu, Virgil; Tiganesteanu, Constantin; Capitanu, Lucian	INDUSTRIAL LUBRICATION AND TRIBOLOGY					0
21	Crystallinity and cell viability in plasma-sprayed hydroxyapatite coatings	Solanke, Sachin Ganeshrao; Gaval, Vivek; Pratap, Amit; Pasarkar, Manish	JURNAL TRIBOLOGI	SEP 2021	30	61-72	0	1
22	Electrochemical machining (ECM) and its recent development	Yuan, Chan Jia; Abu Bakar, Ahmad Shahrin Hijrie; Roslan, Muhamad Najib; Cheng, Cheah Weng; Rosekhizam, Muhammad Nadzmie Syafiq Mohd; Ghani, Jaharah A.; Wahid, Zaliha	JURNAL TRIBOLOGI	MAR 2021	28	20 - 31	0	1
23	COMPARATIVE STUDY ON THE FRICTION CHARACTERISTICS OF TWO POLYMERIC MATERIALS SLIDING INTO ENVIRONMENTS DRIED OR LUBRICATED WITH OIL	Petre, Ivona Camelia; Stoian, Elena Valentina; Enescu, Maria Cristiana; Tatu, Adelin Constantin; Dumitru,	JOURNAL OF SCIENCE AND ARTS	2021	Issue 3	819 - 830	0	1

		Catalin						
24	Influence of the Ringer's solution on wear of vacuum mixed poly(methyl methacrylate) bone cement in reciprocating sliding contact with AISI 316L stainless steel	Zivic, Fatima; Grujovic, Nenad; Mitrovic, Slobodan; Tanaskovic, Jovan; Todorovic, Petar	HEMIJSKA INDUSTRIJA	2021	75, ISSUE 2	77-92	0,627	1,627
25	Fretting manifestations in total hip prosthesis	Capitanu, L.; Badita, L. L.; Florescu, V.; Tiganesteanu, C.; Isvoranu, L. F.	INTERNATIONAL CONFERENCE ON TRIBOLOGY (ROTRIB'19)	2020			-	0
26	A Study of the Dry Linear Contact Between Glass Fiber-reinforced Composite Materials and Steel	Florescu, Virgil; Rus, Dorin; Rece, Laurentiu	MATERIALE PLASTICE	SEP 2019				0
27	THE USE OF TUNED MASS DAMPERS FOR REDUCING STRUCTURAL VULNERABILITIES DURING THE SIDE MOVEMENTS OF BUILDINGS WITH REINFORCED CONCRETE FRAMES	Rece, Laurentiu; Ezzaki, Naima; Stoica, Daniel; Jeflea, Victor Florin	ROMANIAN JOURNAL OF TRANSPORT INFRASTRUCTURE	JUL 2019	8 issue 1	65 - 88	0	1
28	A neural network approach to the metallic surface wear on linear dry contact, plastic material reinforced with SGF/steel	Capitanu, L.; Vladareanu, V.	PROCEEDINGS OF ASIA INTERNATIONAL CONFERENCE ON TRIBOLOGY 2018 (ASIATRIB 2018)	2018		29-30	0	1

**TOTAL PUNCTAJ
CRITERIUL A 3.3**

59,348

Lucrarile citate corespunzator calcul criteriu A3.3

Nr. crt.	Lucrarea care citeaza (Pozitia din tabelul A3.3)	Articol citat	Observatii
1	1, 2, 14, 17	Lucian Capitanu, Virgil Florescu, Tribological Aspects of Wear of Polished Steel Surfaces in Dry Friction Contact on Polymer Composites with Glass Fibres, American Journal of Materials Science 2013, 3(1): 8-18. DOI: 10.5923/j.materials.20130301.02.	14 mai citeaza o lucrare
2	3	Dumitru-Catalin Bursuc, Lucian Capitanu, Virgil Florescu, A solution	

		for improving seizure resistance metal on metal total hip prostheses with self directed balls, American Journal of Materials Science. Volume 3, Number 6, November 2013.	
3	4	Lucian Capitanu, Virgil Florescu, Liliana-Laura Badita, Dumitru Catalin Bursuc, About Failure Uncemented Hip Replacements from Fracture Stem Prosthesis, ESB, Lisabona, Portugalia, Journal of Biomechanics, vol. 45, Suppl. 1, S79, July 2012, ISSN 0021-9290, https://doi.org/10.1016/S0021-9290(12)70080-5 (FI 2012: 2.716).	
4	5, 8, 11, 15, 18	Lucian Capitanu, Virgil Florescu, Liliana-Laura Badita, New concept in durability improvement of hip total joint endoprostheses, ACTA OF BIOENGINEERING AND BIOMECHANICS Volume 16 Issue: 1 Pages: 75-82 Published: 2014, ISSN1509-409X, DOI: 10.5277/abb140110, (FI 2014:0.894)	
5	6	Amelitta Legendi, Rece Liviu Laurentiu, Pironea Andreea Dora Bianca, Florescu Virgil, Innovative calculation method of vibrating screens' productivity used in mineral aggregates sorting, Romanian Journal of Transport Infrastructure. Vol. 7, issue 2, pag. 1-13. DOI 10.2478/rjt-20018-0008, decembrie 2018. Publisher DE GRUYTER POLAND SP ZOO, BOGUMILA ZUGA 32A STR. WARSAW, POLAND. ISSN 2286-2218. https://www-webofscience-com.am.e-nformation.ro/wos/alldb/full-record/WOS:000454345000003	
6	7, 12,28	Lucian Capitanu, Luidge Vladareanu, Virgil Florescu, The knee wear prediction of UHMWPE tibial insert using VIPRO platform, Issue 11, pag 591 – 600, (2015), DOI:10.17265/2159-5275/2015.11.001	
7	9	autocitare	
8	10	Lucian Capitanu, Liliana-Laura Badita, Constantin Tiganesteanu, Virgil Florescu, Liviu Florin Isvoranu, Increasing the wear resistance of hip prosthesis by laser surface microtexturing of the femoral head, Acta Electrotehnica, vol. 60, issue 1-2, pp. 43-57 (2019), ISSN 2344-5637, ISSN-L 1841-3323.	
9	13	Lucian Capitanu, Dorin Rus, Virgil Florescu, A qualitative-quantitative correlation of friction and wear processes of steel surfaces in linear dry contact with SGF, The 8th International Conference on Tribology, Sinaia 30 oct – 1 nov 2014	
10	14	Lucian Capitanu, Virgil Florescu, Liliana-Laura Badita, Preliminary Studies regarding Load Transfer Mechanism in MOM Total Hip Prostheses with Rolling Balls, Proceedings of 13th International Conference on Tribology - Serbiatrib'13, 331, 2013.	
11	16,21	Lucian Capitanu, Liliana-Laura Badita, Virgil Florescu, Investigation a unique scratching of the failure mechanisms of the coating with TiN thin layers deposited on 316L stainless steel, Journal Tribology, vol. 17, pp. 40-64. Iunie 2018. e-ISSN:2289-7232. https://www-webofscience-com.am.e-nformation.ro/wos/alldb/full-record/WOS:000436619200004	21 mai citeaza o lucrare
12	19	autocitare	
13	20, 24, 25	Lucian Capitanu, Liliana-Laura Badita, Virgil Florescu, Stability Loss of the Cemented Stem of Hip Prosthesis due to Fretting Corrosion Fatigue, Tribology in Industry, Vol. 39, No. 4, pp. 536-546 (2017), DOI: 10.24874/ti.2017.39.04.13.	
14	21	Lucian Capitanu, Liliana-Laura Badita, Virgil Florescu, Initiation of	

		fretting fatigue scar of Ti-6Al-4V alloy dependent on the influence of its surface roughness, Journal Tribology vol. 19, pp. 19-38 (2018). e-ISSN:2289-7232. https://www-webofscience-com.am.e-nformation.ro/wos/alldb/full-record/WOS:000454345000003	
15	22	Lucian Capitanu, Liliana-Laura Badita, Virgil Florescu Constantin Tiganesteanu, The wear of the taper junction of the stem trunnion with the femoral head of a total modular hip prosthesis, Jurnal Tribologi, vol. 23, pp. 67-75 (2019), e-ISSN:2289-7232. https://www-webofscience-com.am.e-nformation.ro/wos/alldb/full-record/WOS:000504848200006	
16	23	Virgil Florescu, Lucian Capitanu, Liliana-Laura Badita, A surprising tribological validation: Metal on metal total hip prosthesis with rolling friction, International Journal of Application or Innovation in Engineering and Management (IJAEM) Volume 5, Issue 7, pp. 25-38, ISSN 2319-4847, July 2016. http://www.ijaiem.org/index.html	
17	26	autocitare	
18	27	Virgil Florescu, Laurențiu Rece, Ștefan Mocanu, Amelitta Legendi - Comparative study on the applicability of analytical and experimental methods in the analysis of the safe use of rail tankers carrying petroleum products under pressure - Romanian Journal of Transport Infrastructure, Vol.7, 2018, No.1 107, Article No.7, DOI: 10.2478/rjti-2018-0007. Publisher DE GRUYTER POLAND SP ZOO, BOGUMILA ZUGA 32A STR. WARSAW, POLAND. ISSN 2286-2218. WOS:000443327100007. https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000443327100007	

