

## FIȘA DE VERIFICARE

### a îndeplinirii standardelor minime naționale de prezentare la concurs pentru postul de conferențiar universitar

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 (Decizia Rectorului nr. 315/09.02.2018), Instituția: Universitatea Tehnică "Gheorghe Asachi" din Iași

#### Notă privind îndeplinirea standardelor minime naționale pentru Conferențiar universitar (conform Ordin MENCS 6129 din 20/12/2016)

Anexa 17: Comisia Inginerie mecanică, mecatronică și robotică

Condiții minime și obligatorii Conferențiar				
Domeniul de activitate		Indicatori	Impus	Realizat
Activitatea didactică / profesională (A1)	A1.1	N1	2	3
		N1.1	0	
		N1.3	1	2
	A1.2	N2	3	41
		N2.1	1	16
Activitatea de cercetare (A2)	A2.1 + A2.3	P1+P2	5	14,728
		P1	3	13,783
		P2		0,945
	A2.2	N3	8	39
		N3.1	3	4
		N3.2		35
	A2.4 + A2.5	N4	1	6
		N4.3	0	
Recunoașterea impactului activității (A3)	A3.1	S1+S2	10	149,168
	A3.2	N5	5	26
	A3.3	C	10	608,369

**Anexa nr. 17 – COMISIA INGINERIE MECANICĂ, MECATRONICĂ ȘI ROBOTICĂ**

**STANDARDE MINIMALE NECESARE ȘI OBLIGATORII PENTRU CONFERIREA TITLURILOR DIDACTICE DIN ÎNVĂȚĂMÂNTUL SUPERIOR ȘI A GRADELOR PROFESIONALE DE CERCETARE – DEZVOLTARE**

Nr. crt.	Domeniul activităților	Rezultatele activităților	Subcategorii			Indicatori
1	Activitatea didactică și profesională - DID (A1)	Manuale suport de curs (conform fișei disciplinei de concurs)	A1.1	Format tipărit/electronic <sup>(1)</sup> (min. 100 pag.)	Coordonator/ prim autor	N1.1 = număr
					Co-autor	N1.2 = număr
				Format electronic disponibil pe platforma universității (autor)		N1.3 = număr
		Material didactic /Dezvoltare laboratoare, aplicații	A1.2	Standuri laborator (construcție/ modernizări) certificate de directorul de departament		N2.1 = număr
				Îndrumar laborator/carte aplicații format tipărit sau electronic (autor, co-autor)		N2.2 = număr
				Aplicație informatică educațională		N2.3 = număr
2	Activitatea de cercetare științifică, dezvoltare tehnologică și inovare – CDI (A2)	Articole și publicații științifice indexate Web of Science Thomson Reuters (WOS) <sup>(2)</sup> , unde n = nr.de autori și FI este factorul de impact <sup>(3)</sup>	A2.1	Autor corespondent / prim autor	n ≤ 3	P1.1 = 2 * (0,2 + FI)
					n ≥ 4	P1.2 = 2 * 3 * (0,2 + FI)/n
				Co-autor	n ≤ 3	P1.3 = 0,2 + FI
					n ≥ 4	P1.4 = 3 * (0,2 + FI)/n
		Articole și publicații științifice BDI <sup>(4)</sup> neincluse la A2.1	A2.2	Autor corespondent/prim autor		N3.1 = număr
				Co-autor		N3.2 = număr
		Brevete de invenții indexate <sup>(5)</sup>	A2.3.	Internaționale indexate în Web of Science – Derwent Innovation		P2.1 = același calcul cu A2.1 și FI = 2
				Naționale indexate OSIM		P2.2 = același calcul cu A2.1 și FI = 0,5
		Produse, tehnologii, platforme și servicii inovative (validate conform procedurilor specifice unităților de învățământ superior sau de cercetare)	A2.4	Coordonator/prim autor		N4.1 = număr
				Co-autor		N4.2 = număr
3	Recunoașterea și impactul activității – RIA (A3)	Atragere resurse financiare prin granturi/proiecte/contracte terți	A3.1	Director sau responsabil partener la grant/proiect câștigat prin competiție națională sau internațională		S1 <sup>(6)</sup> = sumă echivalentă în mii Euro <sup>(8)</sup>
				Membru în echipă la grant/proiect câștigat prin competiție națională sau internațională, proiecte/contracte terți		S2 <sup>(7)</sup> = sumă echivalentă în mii Euro <sup>(8)</sup>
		Prezentarea/Diseminarea rezultatelor: prezență la manifestări științifice în calitate de autor/co-autor de lucrări, profesor invitat	A3.2	Congrese/conferințe/workshopuri internaționale, profesor invitat la universități/institute din străinătate		N5 = număr
		Citări în publicații BDI <sup>(5)</sup> (se exclud autocitările)	A3.3	C1 = numărul de citări. S <sub>FI</sub> = suma factorilor de impact al publicațiilor WOS în care apar citările		C = C1 + S <sub>FI</sub>

**Note:**

- (1) Publicația este înregistrată în fondul de carte al bibliotecii naționale sau al bibliotecilor universităților respective.
- (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 din 23 iunie 2011, publicat în Monitorul Oficial, Partea I, Nr. 448/27.VI.2011.
- (4) Bazele de date BDI acceptate sunt: Web of Science Thomson Reuters (WOS) și SCOPUS.
- (5) Un brevet se poate încadra la o singură categorie.
- (6) Suma din grant/proiect încasată de instituție repartizată echipei din care directorul de grant/responsabil partener face parte (S1 include cheltuieli de: personal, logistică, deplasări, indirecte).
- (7) Suma din grant/proiecte câștigate prin concurs național/internațional și proiecte/contracte terți încasată de instituție și repartizată de director/responsabil persoanei respective (S2 include cheltuieli de: personal, logistică, deplasări, indirecte).
- (8) Pentru contractele derulate înainte de 01.01.1999 se va considera echivalarea: 1 EURO = 1 \$ USA.

Condiții minime și obligatorii						
Domeniul de activitate		Indicatori	Conferențiar	Profesor	CSII	CSI
Activitatea didactică / profesională (A1)	A1.1	N1	2	2	Nu se aplică	Nu se aplică
		N1.1	0	1		
		N1.3	1	1		
	A1.2	N2	3	4		
		N2.1	1	2		
Activitatea de cercetare (A2)	A2.1 + A2.3	P1+P2	5	10	5	10
		P1	3	6	3	6
	A2.2	N3	8	10	8	10
		N3.1	3	5	3	5
	A2.4 + A2.5	N4	1	2	1	2
		N4.3	0	1	0	1
Recunoașterea impactului activității (A3)	A3.1	S1+S2	10	50	10	50
	A3.2	N5	5	10	5	10
	A3.3	C	10	25	10	25

unde:

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

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

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

Detaliile criteriilor privind îndeplinirea standardelor minime naționale pentru Conferențiar universitar

Nr. crt.	Domeniul activităților	Rezultatele activităților	Indicatori	Punctaj
1	Activitatea didactică și profesională - DID (A1)	<b>A1.1 Manuale suport de curs (conform fișei disciplinei de concurs) N1 = N1.1 + N1.2</b>	<b>N1</b>	<b>8</b>
		<b>N1.1 Coordonator/ prim autor</b>	<b>N1.1</b>	
		<b>A1.1.1 Stamate C.</b> Stamate M: <i>Aplicații MEMS în domeniul biomedical</i> . Iași, <b>2024</b> , 101 p., ISBN		<b>3</b>
		<b>N1.2 Co-autor</b>	<b>N1.2</b>	<b>3</b>
		<b>A1.1.2</b> Ianuș G., Mătieș V., Prisăcaru Gh., Bujoreanu C., Știrbu C., Bălan M.R., Tufescu A., <b>Stamate C.</b> , Cârlescu V: <i>Mecanică fină și mecatronică. Vol. 2. Mecatronică</i> . Chișinău, <b>2022</b> , 384 p., ISBN 978-5-88554-129-9. Cap.5 <i>MEMS-uri utilizate în mecatronică</i> , pp.176-225. (50 pag.) (autor: șef lucrări dr.ing <b>Vasile Ciprian Stamate</b> ) Cap.8 <i>Aplicații în domeniul serviciilor</i> , pp.318-368 (50 pag.) (autori: conf.dr.ing. Gelu Ianuș, șef lucrări dr.ing <b>Vasile Ciprian Stamate</b> )	N1.2	1
		<b>A1.1.3</b> Crețu Sp., Bălan M., Benchea M., Tufescu A., <b>Stamate C.</b> : <i>Organe de mașini. Lucrări</i> , Editura Tehnopress, Iași, <b>2013</b> , pp.201-223, ISBN 978-606-687-014-6. (260 pag.)	N1.2	1
		<b>A1.1.4</b> Ianuș G., Olaru D.N., <b>Stamate C.</b> : <i>Procese micro și macrotribologice în sisteme mecatronice</i> , Editura Politehnicum, Iași, <b>2009</b> , pp. 165-191, ISBN (13) 978-973-621-141-6. (198 pag.)	N1.2	1
		<b>N1.3 Format electronic disponibil pe platforma universității (autor)</b>	<b>N1.3</b>	<b>2</b>
		<b>A1.1.5</b> Dumitru Olaru, <b>Ciprian Stamate</b> : <i>MICROSISTEME MECATRONICE. Principii de bază, tehnologii de fabricație și soluții constructive</i> , Iași <b>2021</b> , (85 pag.): <a href="http://www.mec.tuiasi.ro/diverse/MICROSISTEME%20MECATRONICE.pdf">http://www.mec.tuiasi.ro/diverse/MICROSISTEME%20MECATRONICE.pdf</a>	N1.3	1
		<b>A1.1.6</b> Grigoraș Șt., Hanganu L.C., Tudose-Sandu Ville Fl., <b>Stamate C.</b> : <i>Fiabilitatea sistemelor mecanice. Îndrumar de laborator</i> , ( <a href="http://www.mec.tuiasi.ro/FSM_indrumar.pdf">http://www.mec.tuiasi.ro/FSM_indrumar.pdf</a> ), Iași <b>2013</b> , (95 pag.)	N1.3	1
		<b>A1.2 Material didactic /Dezvoltare laboratoare, aplicații N2 = N2.1 + N2.2 + N2.3</b>	<b>N2</b>	<b>41</b>
		<b>N2.1 Standuri laborator (construcție/ modernizări) certificate de directorul de departament</b>	<b>N2.1</b>	<b>16</b>
		<b>A1.2.1</b> Analiza microtopografiei suprafețelor cu profilometrul Form Talysurf Intra cod M112/3344-02 (Taylor Hobson, Anglia). Masurarea și calculul parametrilor uzuali după standardele: DIN EN ISO 4287; DIN 4288; DIN EN ISO 13565; ISO 12085; DB N 31007; JIS B 601. Limitele deplasării transversale : 0,1mm – 50mm; Viteza de măsurare : minim 1mm/s - max.10mm/s; Intervalul de preluat date pe direcția transversală: 0,5μm; Pasul de esantionare: 0.08 / 0.25 / 0.8 / 2.5 / 8 mm. <a href="https://mec.tuiasi.ro/diverse/im_laboratoare_didactice.pdf">https://mec.tuiasi.ro/diverse/im_laboratoare_didactice.pdf</a>	N2.1	1
		<b>A1.2.2</b> Microscop digital de laborator Aigo GE-5 cu conexiune USB 2.0 la laptop și rezoluție de 1,3MP. Mărire optică multiplă, 30X, 60X, 180X, plus mărire digitală de 4X, cu maximum 720X pentru studiul probelor.	N2.1	1
		<b>A1.2.3</b> Micro tribometru pin – disc CETR- UMT-2 cu următoarele facilități: măsurarea forțelor de frecare în domeniul 10 μN – 20 N, determinarea microdurității straturilor depuse, determinarea adeziunii straturilor depuse. <a href="https://mec.tuiasi.ro/despre/departamentul-de-inginerie-mecanica-mecatronicsi-robotica/centrul-de-organe-de-masini-si-mecatronicsi-laboratorul-de-tribologie/">https://mec.tuiasi.ro/despre/departamentul-de-inginerie-mecanica-mecatronicsi-robotica/centrul-de-organe-de-masini-si-mecatronicsi-laboratorul-de-tribologie/</a>	N2.1	1
		<b>A1.2.4</b> Modernizarea achizițiilor de date experimentale cu puntea tensometrică Vishay P3 pentru Masina AMSLER pentru testări de uzare și de frecare: - turatii variabile pana la 1500 rot/min; - diametrele discurilor : 40 – 60 mm; - latimea discurilor : 10 mm; - incarcarea variabila pana la 1000 N; monitorizarea coeficientului de frecare și a adancimii stratului uzat.	N2.1	1
		<b>A1.2.5</b> Dintre dotările tehnologice pentru etapa 1 din TORA au fost utilizate următoarele echipamente: Robot ABB	N2.1	1

	140, sistem de vedere artificială cognex, mediu software LabView, bandă transportoare, șurubelniță electrică industrială programabilă KOLVER PLUTO 15CA/N și unitate de control a acesteia KOLVER EDU 2AE-TOP-E.		
	<b>A1.2.6</b> Dintre dotările tehnologice pentru etapa 2 din TORA au fost utilizate următoarele echipamente: Robot ABB 140, sistem de vedere artificială stereo ZED, mediu software RobotStudio, mediu software Matlab, bandă transportoare.	N2.1	1
	<b>A1.2.7</b> Sistem manipulator tip “pick-and-place” acționat de 2 motoare pas cu pas comandate de microcontroler, utilizând conceptul H-bot.	N2.1	1
	<b>A1.2.8</b> Modular Production System (MPS 203 Industry 4.0) cu 3 module: stație de distribuție –FESTO, cu tehnica PLC;	N2.1	1
	<b>A1.2.9</b> Echipament FESTO MPS Robot Mitsubishi pentru clasarea, sortarea și asamblarea pieselor de pe banda transportoare.	N2.1	1
	<b>A1.2.10</b> Echipament MecLab-Festo x3 buc. Echipament de instruire în pneumatică și electropneumatică – FESTO; Interfață electronică EASYPORT pentru conectarea echipamentelor direct la calculator;	N2.1	1
	<b>A1.2.11</b> Software specializat FLUIDSIM-P (pentru simularea schemelor de acționare pneumatice și electropneumatice) și FLUID-Lab (pentru determinarea unor parametri funcționali ai schemelor pneumatice);	N2.1	1
	<b>A1.2.12</b> Dotare laborator Mecatronica avansată (Sistem informatic de stocare a datelor, Monitor LED IPS 42.5, Software ANSYS, Workstation server 2buc.)	N2.1	1
	<b>A1.2.13</b> Scanner Shining 3D EinScan SP	N2.1	1
	<b>A1.2.14</b> Imprimanta 3D SLA UNIZ Slash Pro UDP	N2.1	1
	<b>A1.2.15</b> Imprimanta 3D SLA Anycubic Photon	N2.1	1
	<b>A1.2.16</b> Imprimanta 3D CNC Laser ZMORPH FAB	N2.1	1
	<b>N2.2</b> Îndrumar laborator/carte aplicații format tipărit sau electronic (autor, co-autor)	N2.2	14
	<b>N2.2.1.</b> Crețu Sp., Bălan M., Benchea M., Tufescu A., <b>Stamate C.:</b> <i>Organe de mașini. Lucrări</i> , Editura Tehnopress, Iași, 2013, pp. 201-223, ISBN:978-606-687-014-6, <i>Cuplaje permanente pentru compensarea deformațiilor unghiulare</i> (22 pag.) ( <a href="http://www.mectuiasi.ro/images/OMM/Lucrarea_22_Organe_de_masini.Lucrari.pdf">http://www.mectuiasi.ro/images/OMM/Lucrarea_22_Organe_de_masini.Lucrari.pdf</a> )	N2.2	1
	<b>N2.2.2.</b> Crețu Sp., Bălan M., Benchea M., Tufescu A., <b>Stamate C.:</b> <i>Organe de mașini. Lucrări</i> , Editura Tehnopress, Iași, 2013, pp. 201-223, ISBN:978-606-687-014-6, <i>Cuplaje permanente homocinetice</i> (22 pag.) ( <a href="http://www.mectuiasi.ro/images/OMM/Lucrarea_23_Organe_de_masini.Lucrari.pdf">http://www.mectuiasi.ro/images/OMM/Lucrarea_23_Organe_de_masini.Lucrari.pdf</a> ).	N2.2	1
	Dumitru Olaru, <b>Ciprian Stamate:</b> APLICAȚII TRIBOLOGIE: <a href="http://www.mec.tuiasi.ro/diverse/TRIBOLOGIE_OLARUD_ppt.rar">http://www.mec.tuiasi.ro/diverse/TRIBOLOGIE_OLARUD_ppt.rar</a>	N2.2	1
	<b>N2.2.1.</b> Lucrarea_1 - Determinarea presiunii reale într-o cupla de frecare	N2.2	1
	<b>N2.2.2.</b> Lucrarea_2 - Studiul fenomenului de frecare în cuple de clasa a II-a și a III-a	N2.2	1
	<b>N2.2.3.</b> Lucrarea_3 - Studiul fenomenelor de uzare din cuplele de frecare	N2.2	1
	<b>N2.2.4.</b> Lucrarea_4 - Testarea lubrifianților pe mașina cu 4 bile	N2.2	1
	<b>N2.2.5.</b> Lucrarea_5 - Optimizare lagăr radial HD	N2.2	1
	<b>N2.2.6.</b> Calculul tensiunilor de contact	N2.2	1
	<b>N2.2.7.</b> Metodologia de calcul a presiunii maxime de contact în contacte hertziene liniare	N2.2	1
	<b>N2.2.8.</b> Metodologia de calcul a semiaxelor elipselor de contact și a presiunii maxime în centrul contactului pentru contacte elastice hertziene punctuale	N2.2	1

		<b>N2.2.9. Vâscozitatea uleiurilor</b>	N2.2	1
		<b>N2.2.10. Ungerea angrenajelor</b>	N2.2	1
		<b>N2.2.11. Ungerea Rulmenților</b>	N2.2	1
		<b>N2.2.12. Studiul frecării de rostogolire la scara micro prin metoda oscilațiilor libere</b>	N2.2	1
		<b>N2.3 Aplicație informatică educațională</b>	<b>N2.3</b>	<b>11</b>
		<b>N2.3.1. Dumitru Olaru, Ciprian Stamate: Aplicații ale cursului de Microsisteme mecatronice: studiul frecării de rostogolire prin metoda oscilațiilor libere,</b> <a href="http://www.mec.tuiasi.ro/diverse/STUDIUL_FRECARII_DE_ROSTOGOLIRE_PRIN_METODA_OSCILATIILOR_LIBERE.pdf">http://www.mec.tuiasi.ro/diverse/STUDIUL_FRECARII_DE_ROSTOGOLIRE_PRIN_METODA_OSCILATIILOR_LIBERE.pdf</a>	N2.3	1
		<b>N2.3.2. Dumitru Olaru, Ciprian Stamate: Prezentare ppt_microfabricatie_micromotor,</b> <a href="http://www.mec.tuiasi.ro/diverse/PREZENTARE%20PPT_MICROFABRICATIE_MICROMOTOR.ppt">http://www.mec.tuiasi.ro/diverse/PREZENTARE%20PPT_MICROFABRICATIE_MICROMOTOR.ppt</a>	N2.3	1
		<b>N2.3.3. Suport pentru lucrări de laborator Organe de mașini 1: Lucrarea 2, Lucarea 3, Lucrarea 5 – 14 („Organe de mașini. Lucrări” Autori: S.Cretu, M.Balan, M.Benchea, A.Tufescu, C.Stamate, 15 pg)</b> <a href="https://mec.tuiasi.ro/studenti/informatii-utile/manuale-electronice/">https://mec.tuiasi.ro/studenti/informatii-utile/manuale-electronice/</a>	N2.3	1
		<b>N2.3.4. Suport pentru lucrări de laborator Organe de mașini 2: Lucrarea 2, Lucarea 3, Lucrarea 5 – 14 („Organe de mașini. Lucrări” Autori: S.Cretu, M.Balan, M.Benchea, A.Tufescu, C.Stamate, 36 pag)</b> <a href="https://mec.tuiasi.ro/studenti/informatii-utile/manuale-electronice/">https://mec.tuiasi.ro/studenti/informatii-utile/manuale-electronice/</a>	N2.3	1
		Dumitru Olaru, <b>Ciprian Stamate: APLICAȚII TRIBOTEHNICĂ:</b> <a href="http://www.mec.tuiasi.ro/diverse/TRIBOLOGIE_OLARUD_ppt.rar">http://www.mec.tuiasi.ro/diverse/TRIBOLOGIE_OLARUD_ppt.rar</a>	N2.3	
		<b>N2.3.5. Calculul optimizat al jocului din lagăr în regim HD</b>	N2.3	1
		<b>N2.3.6. Calculul presiunii de contact în rulment axial</b>	N2.3	1
		<b>N2.3.7. Calculul presiunii maxime de contact în contacte hertziene liniare</b>	N2.3	1
		<b>N2.3.8. Procese tribologice în angrenaje</b>	N2.3	1
		<b>N2.3.9. Harta regimurilor de ungere la angrenaje</b>	N2.3	1
		<b>N2.3.10. SKF - Tabele rulmenti, coeficienti de frecare</b>	N2.3	1
		<b>N2.3.11. SKF - Tabele rulmenti, vascozitate- temperatura</b>	N2.3	1
2	Activitatea de cercetare științifică, dezvoltare tehnologică și inovare - CDI (A2)	<b>A2.1 Articole și publicații științifice indexate Web of Science Thomson Reuters (WOS)<sup>(2)</sup>, unde n = nr.de autori și FI este factorul de impact<sup>(3)</sup></b> <b><math>P1 = P1.1 + P1.2 + P1.3 + P1.4</math></b>	<b>P1</b>	<b>13,783</b>
		<b>P1.1 Autor corespondent / prim autor, n ≤3</b> <b><math>P1.1 = 2 * (0,2 + FI)</math></b>	<b>P1.1</b>	<b>-</b>
		<b>P1.2 Autor corespondent / prim autor, n ≥4</b> <b><math>P1.2 = 2 * 3 * (0,2 + FI) / n</math></b>	<b>P1.2</b>	<b>1,241</b>
		<b>A2.1.1 Stamate M.I., Stamate C., Timofte D., Ciuntu B., Gafitanu C., Stefanache A., Ochiuz L.: Effect of Polymers on the Pharmaco-mechanical Properties of Direct Compressed Tablets with Ketoprofen, Materiale Plastice, vol.56, nr.1, pp.239-244, 16.12.2018, ISSN 2537-5741,</b> <a href="https://www.academia.edu/download/74636127/48_20STAMATE_201_2019.pdf">https://www.academia.edu/download/74636127/48_20STAMATE_201_2019.pdf</a> . <b>IF 1,248/ 2018.</b> <b><math>2*3*(0,2+1,248)/7=1,241</math></b>	P1.2	1,241
		<b>P1.3 Co-autor, n ≤3</b> <b><math>P1.3 = 0,2 + FI</math></b>	<b>P1.3</b>	<b>1,971</b>
		<b>A2.1.2 Olaru D.N., Stamate C., Prisăcaru Gh.: Rolling Friction in a Micro Tribosystem, Tribology Letters, Vol.35, No.3, pp.205-210, DOI:10.1007/s11249-009-9449-z, ISSN:1023-8883 (Print) 1573-2711 (Online). ISI Springer Netherlands, IF:1,771/2009. IF 3,2/2022.</b> <b><math>0,2+1,771=1,971</math></b>	P1.3	1,971
		<b>P1.4 Co-autor, n ≥4</b> <b><math>P1.4 = 3 * (0,2 + FI) / n</math></b>	<b>P1.4</b>	<b>10,571</b>
		<b>A2.1.3 Bejinariu C., Paleu V., Stamate C., Cimpoeșu R., Coteață M., Bădărău G., Axinte M., Istrate B., Vasilescu G.,</b>	P1.4	1,080

	Cimpoeșu N.: <i>Microstructural, Corrosion Resistance, and Tribological Properties of Al<sub>2</sub>O<sub>3</sub> Coatings Prepared by Atmospheric Plasma Spraying</i> , <i>Materials</i> 2023, 15(24), 9013, pp.1-17, ISSN 10.3390/ma15249013, <a href="https://www.mdpi.com/1996-1944/15/24/9013">https://www.mdpi.com/1996-1944/15/24/9013</a> , IF 3,4/ 2022. $3*(0,2+3,4)/10=1,080$		
	<b>A2.1.4</b> Doroftei I., Chirita D., <b>Stamate C.</b> , Cazan S., Pascal C., Burlacu A.: <i>Robotic system design and development for automated dismantling of PCB waste</i> . <i>Industrial Robot: the international journal of robotics research and application</i> , Volume 48, Issue 5, pp.720-725. (2021). ISSN: 0143-991x. <a href="https://www.emerald.com/insight/content/doi/10.1108/IR-11-2020-0246/full/html">https://www.emerald.com/insight/content/doi/10.1108/IR-11-2020-0246/full/html</a> , IF:1,8/2022. $3*(0,2+1,8)/6=1,000$	P1.4	1,000
	<b>A2.1.5</b> Stamate M.I., Ochiuz D., Timofte D., Ciuntu B., Ghiciuc C., Gherman S., Stefanache A., <b>Stamate C.</b> : <i>Preparation and Pharmaco-Mechanical Characterization of Ketoprofen-Polyvinyl Alcohol Cryogel for Medical Applications</i> , <i>Revista de Chimie</i> , Vol.70, nr.3, pp.848-852, 13.08.2018, ISSN 2537-5733, <a href="https://www.revistadechimie.ro/pdf/20%20STAMATE%203%2019.pdf">https://www.revistadechimie.ro/pdf/20%20STAMATE%203%2019.pdf</a> IF 1.412/ 2018. $3*(0,2+1,412)/8=0,605$	P1.4	0,605
	<b>A2.1.6</b> Bălan M.R.D., <b>Stamate V.C.</b> , Houpert L., Olaru D.N.: <i>The influence of the lubricant viscosity on the rolling friction torque</i> , <i>Tribology International</i> , Volume 72, April 2014, pp.1-12, ISSN: 0301-679X, <a href="https://doi.org/10.1016/j.triboint.2013.11.017">https://doi.org/10.1016/j.triboint.2013.11.017</a> . IF 2,124/2013. IF 6,2/2022. $3*(0,2+6,2)/4=4,800$	P1.4	4,800
	<b>A2.1.7</b> Hanganu S.C., Armencia A.O., Murariu A.M., Hanganu L.C., Grigoras S., <b>Stamate C.</b> : <i>Tribological Behaviour of Three Types of Glass Ionomers Dedicated to Applications in Dentistry</i> , <i>Materiale Plastice</i> Vol.50, No.3, pp.192-195, ISSN:0025-5289, IF:0,463/2013. $3*(0,2+0,463)/6=0,332$	P1.4	0,332
	<b>A2.1.8</b> Olaru D.N., <b>Stamate C.</b> , Dumitrașcu A., Prisăcaru Gh.: <i>New micro tribometer for rolling friction</i> , <i>Wear</i> , Vol. 271, No. 5-6, 22 June 2011, pp.842-852, <a href="https://doi.org/10.1016/j.wear.2011.03.007">https://doi.org/10.1016/j.wear.2011.03.007</a> , ISSN 0043-1648. <i>ISI Elsevier</i> , ScienceDirect, IF 1,872/2011. IF 5/2022. $3*(0,2+1,872)/4=1,554$	P1.4	1,554
	<b>A2.1.9</b> Hanganu L.C., Grigoraș Șt., Ianuș G., <b>Stamate C.</b> , Borzan M., Ionescu D.S.: <i>Considerations Concerning the Oil Viscosity Influence on Textile Spindles Dynamic Response</i> , <i>Materiale Plastice</i> , Vol.46, No.1, pp.67-72, ISSN:0025-5289, IF:0,404/2009. $3*(0,2+0,404)/6=0,302$	P1.4	0,302
	<b>A2.1.10</b> Crețan Stamate M., Grigoraș Șt., Hanganu L.C., <b>Stamate C.</b> , Hanganu C., Munteanu Fl.: <i>HEMA Based Copolymers as Future Materials in Intervertebral Disc Replacements</i> , <i>Materiale Plastice</i> , Vol.44, No.1, pp.109-112, ISSN:0025-5289, IF:0,873/2008. $3*(0,2+0,873)/6=0,536$	P1.4	0,536
	<b>A2.1.11</b> Cretan M.I., Grigoras S., Hanganu L., <b>Stamate V.C.</b> , Ianuș G.: <i>Wear of Human Joint Prosthetic Devices of Ultra-High-MolecularWeight Polyethylene(UHMWPE) a Result of Mechanical Compression</i> , <i>Materiale Plastice</i> , Vol.44, No.3, pp.217-220, IF:0,404/2007. $3*(0,2+0,404)/5=0,362$	P1.4	0,362
	<b>A2.2 Articole și publicații științifice BDI<sup>(4)</sup> neincluse la A2.1</b> <b>N3 = N3.1 + N3.2</b>	<b>N3</b>	<b>39</b>
	<b>N3.1 Autor corespondent/prim autor</b>	<b>N3.1</b>	<b>4</b>
	<b>A2.2.1</b> <b>Stamate C.</b> , Doroftei I., Chirita D., Burlacu A., <i>On designing an automated tool for capacitors removal from waste printed circuits boards</i> , <i>IOP Conference Series: Materials Science and Engineering</i> , Vol. 591 (2019), 012082, doi:10.1088/1757-899X/591/1/012082, Online ISSN: 1757-899X, Print ISSN: 1757-8981, <a href="https://iopscience.iop.org/article/10.1088/1757-899X/591/1/012082/meta">https://iopscience.iop.org/article/10.1088/1757-899X/591/1/012082/meta</a> . <i>ISI Web of Science</i> .	N3.1	1
	<b>A2.2.2</b> <b>Stamate C.</b> , Munteanu C., Stamate Cretan M.: <i>Friction Analysis between Uhmwpe, Alumina-Magnesia Ceramic and Pva Hydrogel, Biomaterials for Prosthetic Devices</i> , <i>Applied Mechanics and Materials</i> , vol.772, pp.33-37, DOI:10.4028/www.scientific.net/AMM.772.33, ISSN:1662-7482, <i>ISI Proceedings/2015</i> .	N3.1	1
	<b>A2.2.3</b> <b>Stamate C.</b> , Munteanu C. and Cretan Stamate M.: <i>Wear Particle Analysis, the Result of Tribological Phenomena of Biomaterials Couplings-Ultra Hight Molecular Weight Polyethylene and Magnesium Aluminosilicate Ceramic</i> , <i>Solid State Phenomena</i> Vol. 216 (2014) pp 226-230, © (2014) Trans Tech Publications, Switzerland, <a href="https://doi.org/10.4028/www.scientific.net/SSP.216.226">https://doi.org/10.4028/www.scientific.net/SSP.216.226</a> , ISBN 978-3-03835-212-9, ISSN 1662-9779, <i>ISI Proceedings/2014</i> .	N3.1	1



	<b>A2.2.4 Stamate C.</b> , Olaru D., Prisacaru Gh., Ianus G.: <i>Rolling Friction in the Mechatronic Microsystems</i> , International Conference 6th Workshop on European Scientific and Industrial Collaboration on promoting <u>Advanced Technologies in Manufacturing</u> WESIC'08, pp.295-302. <b>BDI/2008</b> .	N3.1	1
	<b>N3.2 Co-autor</b>	<b>N3.2</b>	<b>35</b>
	<b>A2.2.5</b> Cretan Stamate MI, <b>Stamate C.</b> , Gafitanu C., Ochiuz L.: <i>Computer vision applications in the analysis of drug-loaded microparticles</i> , International Journal of Medical Dentistry, Vol.26 (2), (2022), pp.339-344.	N3.2	1
	<b>A2.2.6</b> Cazan S., Chirita D., <b>Stamate C.</b> , Irimia D., Burlacu A., Doroftei I.: <i>Dismantling strategy for capacitors placed on printed circuits boards: challenges and preliminary results</i> , IOP Conference Series: Materials Science and Engineering, Vol. 997 (2020), 012071, doi:10.1088/1757-899X/997/1/012071, Online ISSN: 1757-899X, Print ISSN: 1757-8981, <a href="https://iopscience.iop.org/article/10.1088/1757-899X/997/1/012071">https://iopscience.iop.org/article/10.1088/1757-899X/997/1/012071</a> . ISI Web of Science.	N3.2	1
	<b>A2.2.7</b> Stamate M.I., <b>Stamate C.</b> , Bujor A., Ochiuz L.: <i>Synthesis and analysis of nanofibers containing ketoprofen-betacyclodextrin complexes and polyvinyl alcohol for medical applications</i> , International Journal of Medical Dentistry, vol.24, nr.2, p282-283. 2p, Apr-Jun 2020, ISSN: 2066-6063, ISI Web of Science.	N3.2	1
	<b>A2.2.8</b> Bernevig-Sava M.A., <b>Stamate C.</b> , Lohan N.M., Baciuc A.M., Postolache I., Baciuc E.R.: <i>Considerations on the surface roughness of SLM processed metal parts and the effects of subsequent sandblasting</i> , IOP Conference Series: Materials Science and Engineering 572 (1), 012071, (2019) doi:10.1088/1757-899X/572/1/012071, Print ISSN: 1757-8981, <a href="https://iopscience.iop.org/article/10.1088/1757-899X/572/1/012071/meta">https://iopscience.iop.org/article/10.1088/1757-899X/572/1/012071/meta</a> . ISI Web of Science.	N3.2	1
	<b>A2.2.9</b> Stamate M., <b>Stamate C.</b> , Bujor A., Gafitanu C., Ochiuz L.: <i>Preparation and characterization of some complexes of ketoprofen and hydroxypropyl beta cyclodextrin</i> , 11th International Conference on Materials Science and Engineering – BraMat 2019. ISI Web of Science.	N3.2	1
	<b>A2.2.10</b> Bejinariu C., Florea C.D., Cimpoeșu N., Munteanu C., Paleu V., <b>Stamate C.</b> , Istrate B., Cirlan Paleu C.: <i>Microstructure and tribological properties of Al2O3 coatings prepared by air plasma spraying</i> , 11th International Conference on Materials Science and Engineering – BraMat 2019. ISI Web of Science.	N3.2	1
	<b>A2.2.11</b> Stamate M.I., <b>Stamate C.</b> : <i>Synthesis and Characterization of Microporous Cryogel Matrices with Anti-inflammatory Effect</i> , Journal of Engineering Research and Application (IJERA), ISSN : 2248-9622, Vol. 8, Issue 7 (Part -II), July 2018, pp.16-19.	N3.2	1
	<b>A2.2.12</b> Stamate Cretan M., Munteanu C., Birsan M., <b>Stamate C.</b> : <i>IMAQ Vision Builder Applications in SEM Image Processing of Pharmaceutical Powders</i> , <u>Applied Mechanics and Materials</u> Vol.859, pp.99-103, DOI:10.4028/www.scientific.net/AMM.859.99, ISSN:1662-7482, <b>ISI Proceedings/2016</b> .	N3.2	1
	<b>A2.2.13</b> Stamate Cretan M., <b>Stamate C.</b> : <i>The Synthesis and Characterization of PVA-Ketoprofen Cryogel, Biomaterial with Extended Drug Release Properties for Cartilage Replacement</i> , <u>Solid State Phenomena</u> Vol. 216 (2014) pp 205-209, © (2014) Trans Tech Publications, Switzerland, <a href="https://doi.org/10.4028/www.scientific.net/SSP.216.205">https://doi.org/10.4028/www.scientific.net/SSP.216.205</a> , ISBN 978-3-03835-212-9, ISSN 1662-9779, <b>ISI Proceedings/2014</b> .	N3.2	1
	<b>A2.2.14</b> Stamate Cretan M., <b>Stamate C.</b> : <i>Three Dimensional Simulations in Real Time for Personalized Drug Release Prosthesis used in Lumbosacral Rehabilitation</i> , Applied Mechanics and Materials Vol. 555 (2014) pp 695-700, © (2014) Trans Tech Publications, Switzerland, DOI:10.4028/www.scientific.net/AMM.555.695, ISBN (13) 978-3-03835-111-5, ISSN 1662-7482, <b>ISI Proceedings/2014</b> .	N3.2	1
	<b>A2.2.15</b> Bălan M.R., <b>Stamate V.C.</b> , Houpert L., Tufescu A., Olaru D.N.: <i>Influence of the Geometry on the Rolling Friction Torque in Lubricated Ball-Race Contacts</i> , Applied Mechanics and Materials Vol. 658 (2014) pp 271-276, Advanced Concepts in Mechanical Engineering I, Chapter 4: Applied Tribology, Online available : 2014/Oct./01, © (2014) Trans Tech Publications, Switzerland, DOI : <a href="https://doi.org/10.4028/www.scientific.net/AMM.658.271">10.4028/www.scientific.net/AMM.658.271</a> , ISBN (13) 978-3-	N3.2	1



	03835-111-5, ISSN 1662-7482. <b>ISI Proceedings/2014.</b>		
	<b>A2.2.16</b> Stamate Cretan M., Gafitanu C., <b>Stamate C.</b> and Gafitanu E.: <i>Evaluation of Surface Roughness Variation of Solid Dosage Forms in Simulated Physiological Conditions</i> , <i>Applied Mechanics and Materials</i> , Vol.245, pp.68-73, DOI:10.4028/www.scientific.net/AMM.245.68, ISBN(13):978-3-03785-554-6, ISSN:1662-7482, <b>ISI Proceedings/2013.</b>	N3.2	1
	<b>A2.2.17</b> Stamate Cretan M., <b>Stamate C.:</b> <i>Tribological Analysis and Optimization of Polymer Prosthetic Components as Drug Delivery Systems</i> , <i>Applied Mechanics and Materials</i> , Vol.332, pp.521-526, <a href="https://doi.org/10.4028/www.scientific.net/AMM.332.521">https://doi.org/10.4028/www.scientific.net/AMM.332.521</a> , ISBN(13):978-3-03785-733-5, ISSN:1662-7482, <b>ISI Proceedings/2013.</b>	N3.2	1
	<b>A2.2.18</b> Stamate Cretan M., Munteanu C., Gafitanu E., Barbinta A.C., <b>Stamate C.:</b> <i>Synthesis and SEM Analysis of Ketoprofen-Hydroxipropil-β-Cyclodextrin Microparticles for Medical Applications as Drug-Release System with a High Bioavailability</i> , <i>Applied Mechanics and Materials</i> , Vol.325-326, pp 106-110, DOI:10.4028/www.scientific.net/AMM.325-326.106, ISBN(13):978-3-03785-444-0, ISSN:1662-7482, <b>ISI Proceedings/2013.</b>	N3.2	1
	<b>A2.2.19</b> Budel A.C., <b>Stamate V.C.</b> , Bălan M.R., Olaru D.: <i>Friction in the KWE 15 linear ball recirculating guideway. Experimental validations for unloaded carriage</i> , <i>Acta Technica Napocensis</i> , Series: Applied Mathematics and Mechanics, Vol.56, No.4, pp.643-648, ISSN:1221-5872, <b>BDI/2013.</b>	N3.2	1
	<b>A2.2.20</b> Bălan M.R., Bălan L., <b>Stamate V.C.</b> , Dumitrașcu A.C., Olaru D.: <i>Influence of the lubrication on friction in microball bearings</i> , <i>TEHNOMUS Journal</i> Vol.20, No.1, pp.434-438, ISSN:1224-029X, <b>BDI/2013.</b>	N3.2	1
	<b>A2.2.21</b> Stamate Cretan M., Gafitanu C., <b>Stamate C.</b> , Gafitanu E.: <i>The Characterization of Ketoprofen-Hydroxypropyl-β-Cyclodextrin Complex with Modified Drugs Release Properties</i> , <i>Solid State Phenomena</i> , Vol.188, pp.70-75, <a href="https://doi.org/10.4028/www.scientific.net/SSP.188.70">https://doi.org/10.4028/www.scientific.net/SSP.188.70</a> , ISBN:978-3-03785-391-7, ISSN:1662-9779, <b>ISI Proceedings/2012.</b>	N3.2	1
	<b>A2.2.22</b> Stamate Cretan M., Gafitanu C., <b>Stamate C.</b> and Gafitanu E.: <i>Effect of Dry Binders on Mechanical Properties of Ketoprofen-Cyclodextrin Extended Drug Release Systems</i> , <i>Applied Mechanics and Materials</i> , Vol.186, pp.143-148, <a href="https://doi.org/10.4028/www.scientific.net/AMM.186.143">https://doi.org/10.4028/www.scientific.net/AMM.186.143</a> , ISBN(13):978-3-03785-444-0, ISSN:1662-7482, <b>ISI Proceedings/2012.</b>	N3.2	1
	<b>A2.2.23</b> Stamate Cretan M., Munteanu C., Gafitanu E., Bărbîntă A.C., <b>Stamate C.:</b> <i>Synthesis and SEM Analysis of Ketoprofen-Hydroxipropil-β-Cyclodextrin Microparticles for Medical Applications as Drug-Release System with a High Bioavailability</i> , <i>International Proceedings of Computer Science and Information Technology, Mechanical Engineering, Robotics and Aerospace</i> , <i>IPCSIT, IACSIT Press</i> , Singapore, ISBN:978-981-07-0420-9, ISSN:2010-460X, <b>Proceeding ISI Indexed/2011.</b>	N3.2	1
	<b>A2.2.24</b> Dumitrascu, A; <b>Stamate, C;</b> Olaru, D.: Rolling friction torque in microsystems for dry and lubricated conditions. - 15th International Conference of Modern Technologies, Quality and Innovation 2011   MODTECH 2011: NEW FACE OF T.M.C.R., VOL I & II, pp.373-376. ISSN: 2069-6736. <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000392260500094">https://www.webofscience.com/wos/woscc/full-record/WOS:000392260500094</a> . <b>BDI/2011.</b>	N3.2	
	<b>A2.2.25</b> LC Hanganu, MC Loghin, <b>CV Stamate:</b> <i>Specific Aspects on Yarn Tensions Produced During the Ring Spinning Frames Operating</i> . - ModTech International Conference - New face of TMCR. Modern Technologies, Quality and Innovation - New face of TMCR. 21-23 May 2009, Chisinau, pp.291-294. <a href="http://www.modtech.tuiasi.ro/2009/publication/H/Hanganu_Lucian_Constantin_A2.pdf">http://www.modtech.tuiasi.ro/2009/publication/H/Hanganu_Lucian_Constantin_A2.pdf</a> . <b>BDI/2009.</b>	N3.2	1
	<b>A2.2.26</b> Olaru D.N., <b>Stamate C.</b> , Dumitrascu A.C., Prisăcaru Gh.: Rolling Friction Torque in Microsystems, <i>Proceedings of VAREHD 15</i> , Suceava, May 6-8, 2010, pp.170-177. p-ISSN 1220-8434. e-ISSN 2069-4601. <a href="http://www.acta.tribologica.usv.ro/2010/2010-15.htm">http://www.acta.tribologica.usv.ro/2010/2010-15.htm</a>	N3.2	1

	<b>A2.2.27</b> DN Olaru, A Dumitrascu, <b>C Stamate</b> , Gh Prisacaru: <i>Influence of Normal Load and Microball Diameter on Rolling Friction Torque in Microsystems</i> . - 2nd International Conference on Innovations, Recent Trends and Challenges in Mechatronics, Mechanical Engineering and New High-Tech Products Development, MECAHITECH'10, Bucharest, 23-24 September 2010, Vol.1, Nr.1, pp.466-472, <a href="https://www.academia.edu/48276450/">https://www.academia.edu/48276450/</a> . <b>BDI/2009</b> .	N3.2	1
	<b>A2.2.28</b> Olaru D.N., <b>Stamate C.</b> , Dumitrascu A.C., Prisăcaru Gh.: <i>Experimental Investigations of Rolling Friction in Mechatronics Microsystems</i> , <i>Acta Technica Napocensis</i> , Series: Applied Mathematics and Mechanics, Vol.52, No.3, pp.329-332, ISSN:1221-5872, <b>BDI/2009</b> .	N3.2	1
	<b>A2.2.29</b> Olaru D., <b>Stamate C.</b> , Prisacaru G., Ianus G.: <i>New Micro Tribometers for Sliding and Rolling Friction</i> , <i>Viennano'09</i> , No.198, pp.1-5, Vienna, Austria, <b>BDI/2009</b> .	N3.2	1
	<b>A2.2.30</b> Olaru D., <b>Stamate C.</b> , Dumitrascu A., Ianus G.: <i>Friction in the Microtribosystems. Influence of the Condensed Water</i> , <i>The Annals of University "Dunărea de Jos" of Galați</i> , Fascicle VIII, 2009 (XV), pp.15-19, Issue 1, Tribology, ISSN:1221-4590, <b>BDI/2009</b> .	N3.2	1
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	<b>A2.2.33</b> Olaru D.N., <b>Stamate C.</b> , Prisacaru Gh., Lorenz P.: <i>The Influence of the Surface Condensed Water on Friction in Microsystems</i> , 53 <sup>rd</sup> Internationales Wissenschaftliches Kolloquium Technische Universität Ilmenau, pp.1-9, <a href="https://www.db-thueringen.de/servlets/MCRFileNodeServlet/dbt_derivate_00022935/53_IWK_2008_2_2_03.pdf">https://www.db-thueringen.de/servlets/MCRFileNodeServlet/dbt_derivate_00022935/53_IWK_2008_2_2_03.pdf</a> . <b>BDI/2008</b> .	N3.2	1
	<b>A2.2.34</b> Olaru D.N., <b>Stamate C.</b> , Prisacaru Gh.: <i>New Microtribometers for Sliding and Rolling Friction. Experimental Investigations</i> , <i>Buletin I.P.Iasi</i> , Fasc.IV, Tom LIV (LVIII), pp.477-484, ISSN:1011-2855, <b>BDI/2008</b> .	N3.2	1
	<b>A2.2.35</b> Stamate Crețan M., Gafițanu M., <b>Stamate C.</b> : <i>Optimisation of human intervertebral disc prosthesis a new mechanical support and drug release system</i> , <i>Scientific Bulletin Series C: Fascicle Mechanics, Tribology, Machine Manufacturing Technology; Baia Mare Vol.22</i> , pp.1-6, <b>BDI/2008</b> .	N3.2	1
	<b>A2.2.36</b> Stamate Crețan M., Gafițanu M., <b>Stamate C.</b> : <i>Characterizing the Wear Particles of Intervertebral Disc Prosthesis and their Biological Response</i> , <i>The Annals of University "Dunărea de Jos" of Galați</i> , Fascicle VIII, 2008 (XIV), pp.93-96, ISSN:1221-4590, Tribology, <a href="http://www.arthra.ugal.ro/handle/20.500.14043/25326">http://www.arthra.ugal.ro/handle/20.500.14043/25326</a> . <b>BDI/2008</b> .	N3.2	1
	<b>A2.2.37</b> Olaru D.N., <b>Stamate C.</b> , Prisacaru Gh., Lorenz P.: <i>The Influence of the Atmospheric Condensed Water on Friction in a Micro Rolling Systems</i> , 16th <i>International Colloquium Tribology</i> , TA Esslingen, Jan. 15-17, 2008, p. 90, ISBN 3-924813-73-6. <b>BDI/2008</b> .	N3.2	1
	<b>A2.2.38</b> <b>Stamate C.</b> , Olaru DN: <i>Experimental Determinations of a Water Meniscus Between a Steel Ball and a Glace Surface</i> - RO-078, Proc. of 10th International Conference on Tribology, ROTRIB'07, Vol.7, pp.8-10, 8-10 Nov. 2007, Bucharest, Ed. Politehnica Press. <b>BDI/2007</b> .	N3.2	1
	<b>A2.2.39</b> C., Olaru D.N.: <i>The influence of the atmospheric condensed water of friction in a micro rolling systems</i> , <i>Tehnologii Moderne, Calitate, Restructurare (T.M.C.R. 2007)</i> , Ediția XI-a, vol.3, Chișinău, 31 mai – 03 iunie 2007, pp.336-339, ISBN 978-9975-45-037-9.	N3.2	1
	<b>A2.2.40</b> Crețan Stamate M., <b>Stamate C.</b> , Zaharia O.C.: <i>The reconstruction of the intervertebral disc using CT of lumbar spine and AutoCAD</i> , <i>Tehnologii Moderne, Calitate, Restructurare (T.M.C.R. 2007)</i> , Ediția XI-a, vol.3, Chișinău, 31 mai - 03 iunie 2007, pp. 219-222, ISBN 978-9975-45-037-9.	N3.2	1

		<b>A2.3 Brevete de invenții indexate<sup>(5)</sup></b>	<b>P2 = P2.1 + P2.2</b>	<b>P2</b>	<b>0,945</b>
		<b>P2.1 Internaționale indexate în Web of Science – Derwent Innovation</b>		<b>P2.1</b>	<b>-</b>
		<b>P2.2 Naționale indexate OSIM</b>	<b>P2.2 = 3 * (0,2 + FI) / n, FI = 0,5</b>	<b>P2.2</b>	<b>0,945</b>
		<b>A2.3.1</b> Brevet de invenție nr. 127562 A2 - RO-BOPI 6/2012, din 29.06.2012 Titlul brevetului: <i>Procedeu și microtribometru inerțial pentru studiul fenomenului de frecare de rostogolire</i> Autori brevet : Dumitru OLARU, <b>Ciprian STAMATE</b> , Gheorghe PRISĂCARU, Gelu IANUȘ. $3*(0,2+0,5)/4=0,525$			0,525
		<b>A2.3.2</b> Brevet de invenție nr. 127849 A2,- RO-BOPI 9/2012, din 28.09.2012 Titlul brevetului: <i>Microtribometru gravitațional pin-disc pentru studiul fenomenului de frecare de alunecare</i> Autori brevet : Dumitru OLARU, <b>Ciprian STAMATE</b> , Gheorghe PRISĂCARU, Gelu IANUȘ, Alina Corina DUMITRAȘCU. $3*(0,2+0,5)/5=0,525$			0,420
		<b>A2.4 Produse, tehnologii, platforme și servicii inovative (validate conform procedurilor specifice unităților de învățământ superior sau de cercetare)</b>	<b>N4 = N4.1 + N4.2 + N4.3 + N4.4</b>	<b>N4</b>	<b>6</b>
		<b>N4.1 Coordonator/prim autor</b>		<b>N4.1</b>	
		<b>N4.2 Co-autor</b>		<b>N4.2</b>	<b>5</b>
		<b>A2.4.1</b> Metodologie și implementare sistem automat pentru extragerea condensatorilor de pe plăcile de bază din calculatoare cu Robotul ABB 140, prin atașarea efectorului KOLVER PLUTO 15CA/N și a unității de control a acestuia KOLVER EDU 2AE-TOP-E. - A fost derulat un contract de cercetare: etapa I A3.1.8 Cod Contract: PN-III-P1-1.2-PCCDI-2017-0652. Contract nr. 84PCCDI/2018 Titlul proiectului: <i>Tehnologii inovative pentru recuperarea avansată a materialelor din deșeuri de echipamente informatice și de telecomunicații (TRADE-IT)</i> PROIECT 1 "Tehnologii optimizate cu impact redus asupra mediului pentru recuperarea avansată a materialelor din deșeuri de echipamente informatice și de telecomunicații" – TORA - Au fost publicate articolele: A2.2.1 <b>Stamate C.</b> , Doroftei I., Chirita D., Burlacu A., <i>On designing an automated tool for capacitors removal from waste printed circuits boards</i> , IOP Conference Series: Materials Science and Engineering, Vol. 591 (2019), 012082, doi:10.1088/1757-899X/591/1/012082, Online ISSN: 1757-899X, Print ISSN: 1757-8981, A2.2.6 Cazan S., Chirita D., <b>Stamate C.</b> , Irimia D., Burlacu A., Doroftei I.: <i>Dismantling strategy for capacitors placed on printed circuits boards: challenges and preliminary results</i> , IOP Conference Series: Materials Science and Engineering, Vol. 997 (2020), 012071, doi:10.1088/1757-899X/997/1/012071, Online ISSN: 1757-899X, Print ISSN: 1757-8981		N4.2	1
		<b>A2.4.2</b> Metodologie și implementare sistem de vedere artificială stereo ZED, mediu software RobotStudio, mediu software Matlab pentru detecția condensatorilor de pe plăcile de bază, respective coordonatele de deplasare. - A fost derulat un contract de cercetare: etapa II A3.1.8 Cod Contract: PN-III-P1-1.2-PCCDI-2017-0652. Contract nr. 84PCCDI/2018 Titlul proiectului: <i>Tehnologii inovative pentru recuperarea avansată a materialelor din deșeuri de echipamente informatice și de telecomunicații (TRADE-IT)</i> PROIECT 1 "Tehnologii optimizate cu impact redus asupra mediului pentru recuperarea avansată a materialelor din deșeuri de echipamente informatice și de telecomunicații" – TORA - Au fost publicate articolele: A2.1.4 Doroftei I., Chirita D., <b>Stamate C.</b> , Cazan S., Pascal C., Burlacu A.: <i>Robotic system design and development for automated dismantling of PCB waste</i> . Industrial Robot: the international journal of robotics research and		N4.2	1

		application, Volume 48, Issue 5, pp.720-725. (2021). ISSN: 0143-991x.		
		<b>A2.4.3 Metodologie și implementare echipamente pentru Industria 4.0.</b> - A fost derulat un contract de cercetare: A3.1.2 Proiect internațional nr. 2SOFT/1.1/64/2020, din cadrul programului „Joint Operational Programe Romania - Republic of Moldova 2014 - 2020”, finanțat prin ENI CBC, Titlul proiectului: „Cross border cooperation in mechatronics engineering education” - (CBCinMEE). Curricular Specialist 2 (Specialists): ș.l.dr.ing. <b>Ciprian STAMATE</b> - Punerea în funcțiune a echipamentelor: A1.2.8 Modular Production System (MPS 203 Industry 4.0) cu 3 module: stație de distribuție - FESTO, cu tehnica PLC; A1.2.9 Echipament FESTO MPS Robot Mitsubishi pentru clasarea, sortarea și asamblarea pieselor de pe banda transportoare. A1.2.10 Echipament MecLab-Festo. Echipament de instruire în pneumatică și electropneumatică – FESTO; Interfață electronică EASYPORT pentru conectarea echipamentelor direct la calculator.	N4.2	1
		<b>A2.4.4 Metodologie și implementare echipamente pentru scanarea 3D</b> A1.2.13 Scanner Shining 3D EinScan SP	N4.2	1
		<b>A2.4.5 Metodologie și implementare echipamente pentru imprimarea 3D</b> A1.2.14 Imprimanta 3D SLA UNIZ Slash Pro UDP A1.2.15 Imprimanta 3D SLA Anycubic Photon A1.2.16 Imprimanta 3D CNC Laser ZMORPH FAB	N4.2	1
		<b>A2.5 Monografii/cărți de specialitate<sup>(2)</sup>, format tipărit/electronic</b>		
		<b>N4.3 Coordonator/prim autor</b>	<b>N4.3</b>	
		<b>N4.4 Co-autor</b>	<b>N4.4</b>	1
		<b>A2.5.1</b> Ianus G, Maties V., Prisacaru G, Bujoreanu C, Stirbu C, Balan R, Tufescu A., Stamate C, Carlescu V, “Mecanica Fina si Mecatronica, vol II Mecatronica”, editura Tipografia Centrala, Chișinău, 2022 , 385pg, ISBN 978-5-88554-129-9	N4.4	1
3	Recunoașterea și impactul activității - RIA (A3)	<b>A3.1 Atragere resurse financiare prin granturi/proiecte/contracte terți</b> <b>S=S1 + S2</b>	<b>S</b>	<b>149,168</b>
		<b>S1 Director sau responsabil partener la grant/proiect câștigat prin competiție națională sau internațională</b> <b>S1 = sumă echivalentă în mii Euro / n</b>	<b>S1</b>	<b>6,03</b>
		<b>A3.1.1</b> Proiect PN II R.U. cod TD-208, contract nr. 277/01.10.2007 Titlul proiectului: <i>Contribuții la studiul teoretic și experimental al forțelor în microsisteme biologice și mecatronice.</i> Autoritatea Contractantă: Unitatea Executivă pentru Finanțarea Învățământului Superior și a Cercetării Științifice Universitare (UEFISCSU). Contractor: Universitatea Tehnică „Gheorghe Asachi” din Iași Durata proiectului: 12 luni, Perioada: oct. 2007 - oct. 2008 Valoare contract 2007: 5551 RON / 3,3372 RON/EURO = 1663,370 EURO Valoare contract 2008: 16184 RON / 3,6827 RON/EURO = 4394,602 EURO Valoare contract Total: 21.735 RON / = 6057,972 EURO <b>Director de proiect:</b> drd.ing. Ciprian STAMATE, (1 membru) <span style="float: right;">6058/1000/1=6,058</span>	S1	6,058
		<b>S2 Membru în echipă la grant/proiect câștigat prin competiție națională sau internațională, proiecte/contracte terți</b> <b>S2 = sumă echivalentă în mii Euro / n</b>	<b>S2</b>	<b>143,110</b>

	<p><b>A3.1.2</b> Proiect internațional nr. 2SOFT/1.1/64/2020, din cadrul programului „Joint Operational Programe Romania - Republic of Moldova 2014 - 2020”, finanțat prin ENI CBC, Titlul proiectului: „<i>Cross border cooperation in mechatronics engineering education</i>” - (CBCinMEE).</p> <p>Contractor: Universitatea Tehnică „Gheorghe Asachi” din Iași</p> <p>Manager de proiect: conf.dr.ing. Gelu IANUȘ</p> <p>Durata proiectului: 36 luni. Perioada: dec. 2020 - dec. 2022</p> <p>Valoare contract 2021: 393551,98 RON / 4,9204 RON/EURO = 79983,737 EURO</p> <p>Valoare contract 2022: 196510,11 RON / 4,9315 RON/EURO = 39847,938 EURO</p> <p>Valoare contract Total: 590062,09 RON / = 119831,675 EURO</p> <p><b>Curricular Specialist 2 (Specialists):</b> ș.l.dr.ing. Ciprian STAMATE, (9 membri) <span style="float: right;">119832/1000/9=13,315</span></p>	S2	13,315
	<p><b>A3.1.3</b> Proiect P-CD modul I/2006, CEEX, contract nr. 205/20.07.2006</p> <p>Titlul proiectului: <i>Sisteme mecatronice mobile inteligente cu impact ecologic pentru echipamente textile. SYMTEx</i></p> <p>Autoritatea contractantă: Agenția Managerială de Cercetare Științifică, Inovare și Transfer Tehnologic - POLITEHNICA București</p> <p>Contractor: Universitatea Tehnică “Gh. Asachi” din Iași</p> <p>Director de proiect: conf.dr.ing. Lucian C. HANGANU</p> <p>Durata proiectului: 24 luni, Perioada: sept. 2006 - sept. 2008</p> <p>Valoare contract 2006: 138000 RON / 3,5245 RON/EURO = 39154,489 EURO</p> <p>Valoare contract 2007: 283000 RON / 3,3372 RON/EURO = 84801,630 EURO</p> <p>Valoare contract 2008: 209000 RON / 3,6827 RON/EURO = 56751,839 EURO</p> <p>Valoare contract Total: 630000 RON / = 180707,958 EURO</p> <p><b>Membru colectiv cercetare:</b> drd.ing. Ciprian STAMATE, (5 membri) <span style="float: right;">180708/1000/5=36,142</span></p>	S2	36,142
	<p><b>A3.1.4</b> Proiect CNCSIS cod contract nr. 33/2007, tema 22.</p> <p>Proiect CNCSIS cod contract nr. 77/2008, tema 33.</p> <p>Titlul proiectului: <i>Polimeri Electroactivi (PEA) - O nouă clasă de actuatori neconvenționali.</i></p> <p>Autoritatea Contractantă: Consiliul National al Cercetării Științifice din Învățământul Superior (CNCSIS).</p> <p>Contractor: Universitatea Tehnică „Gh. Asachi” din Iași</p> <p>Director proiect: conf.dr.ing. Gheorghe PRISĂCARU</p> <p>Durata proiectului: 24 luni, Perioada: sept. 2007 - sept. 2009</p> <p>Valoare contract 2007: 65000 RON / 3,3372 RON/EURO = 19477,406 EURO</p> <p>Valoare contract 2008: 63000 RON / 3,6827 RON/EURO = 17107,014 EURO</p> <p>Valoare contract Total: 128000 RON / = 36584,420 EURO</p> <p><b>Membru colectiv cercetare:</b> drd.ing. Ciprian STAMATE, (4 membri) <span style="float: right;">36584/1000/4=9,146</span></p>	S2	9,146
	<p><b>A3.1.5</b> Proiect PN II – IDEI cod ID 607, contract nr. 381/2007</p> <p>Titlul proiectului: <i>Cercetări privind reducerea frecării în microsisteme mecatronice.</i></p> <p>Autoritatea Contractantă: Unitatea Executivă pentru Finanțarea Învățământului Superior și a Cercetării Științifice Universitare (UEFISCSU)</p> <p>Contractor: Universitatea Tehnică „Gh. Asachi” din Iași</p> <p>Director proiect: prof.dr.ing. Dumitru OLARU</p> <p>Durata proiectului: 36 luni, Perioada: oct. 2007 - oct. 2010</p> <p>Valoare contract 2007: 41400,00 RON / 3,3372 RON/EURO = 12405,609 EURO</p> <p>Valoare contract 2008: 355505,80 RON / 3,6827 RON/EURO = 96534,010 EURO</p> <p>Valoare contract 2009: 126968,94 RON / 4,2373 RON/EURO = 29964,586 EURO</p>	S2	43,501



	<p>Valoare contract 2010: 147766,79 RON / 4,2099 RON/EURO = 35099,834 EURO  Valoare contract Total: 671641,53 RON / = 174004,039 EURO  <b>Membru colectiv cercetare:</b> asist.drd.ing. Ciprian STAMATE, (4 membri) <span style="float: right;">174004/1000/4=43,501</span></p>		
	<p><b>A3.1.6</b> Proiect PNII – Parteneriate, contract nr. 72178/2008  Titlul proiectului: <i>Sisteme mecatronice inteligente pentru echipamente textile.</i>  Autoritatea Contractantă: Unitatea Executivă pentru Finanțarea Învățământului Superior și a Cercetării Științifice Universitare (UEFISCSU)  Contractor: Universitatea Tehnică „Gh. Asachi” din Iași  Director de proiect: conf.univ.dr.ing. Carmen LOGHIN  Durata proiectului: 36 luni, Perioada: dec. 2008 - dec. 2011  Valoare contract 2009: 51208 RON / 4,2373 RON/EURO = 12085,054 EURO  Valoare contract 2010: 72903 RON / 4,2099 RON/EURO = 17317,038 EURO  Valoare contract 2011: 173297 RON / 4,2379 RON/EURO = 40892,187 EURO  Valoare contract Total: 297408 RON / = 70294,279 EURO  <b>Membru colectiv cercetare:</b> asist.drd.ing. Ciprian STAMATE, (5 membri) <span style="float: right;">70294/1000/5=14,059</span></p>	S2	14,059
	<p><b>A3.1.7</b> Cod Contract: POSDRU/56/1.2/S/32768.  Titlul proiectului: <i>Formarea cadrelor didactice universitare și a studenților în domeniul utilizării unor instrumente moderne de predare-învățare - evaluare pentru disciplinele matematice, în vederea creării de competențe performante și practice pentru piața muncii.</i>  Beneficiar: Ministerul Educației, Cercetării, Tineretului și Sportului.  Perioada: 1 – 30 noiembrie 2011  <b>Cursant:</b> asist.drd.ing. Ciprian STAMATE</p>	S2	-
	<p><b>A3.1.8</b> Cod Contract: PN-III-P1-1.2-PCCDI-2017-0652. Contract nr. 84PCCDI/2018  Titlul proiectului: <i>Tehnologii inovative pentru recuperarea avansată a materialelor din deșeuri de echipamente informatice și de telecomunicații (TRADE-IT)</i>  Director proiect complex (DPC): conf.univ.dr.ing. Ioan Marius PURCAR  Coordonator: Universitatea Babeș Bolyai din Cluj - Napoca.  Partener 4 proiect complex (P4) - Universitatea Tehnică "Gheorghe Asachi" Iași;  Responsabil partener 4 (RP4): prof.univ.dr.ing. Ioan DOROFTEI  PROIECT 1 <i>"Tehnologii optimizate cu impact redus asupra mediului pentru recuperarea avansată a materialelor din deșeuri de echipamente informatice și de telecomunicații" – TORA</i>  Durata proiectului: 36 luni, Perioada: oct. 2017 - dec. 2020  Valoare contract 2018: 102440 RON / 4,6535 RON/EURO = 22013,538 EURO  Valoare contract 2019: 108625 RON / 4,7452 RON/EURO = 22891,554 EURO  Valoare contract 2020: 123480 RON / 4,8371 RON/EURO = 25527,692 EURO  Valoare contract 2021: 21705 RON / 4,9204 RON/EURO = 4411,227 EURO  Valoare contract Total: 356250 RON / = 74844,011 EURO  <b>Membru cercetare științifică:</b> ș.l.dr.ing. Ciprian STAMATE, (4 membri) <span style="float: right;">74844,011/1000/4= 18,711</span></p>	S2	18,711
	<p><b>A3.1.9</b> Cod Contract: CNFIS-FDI-2020-0157  Titlul proiectului: "Internaționalizare Creativă la TUIASI – INTER-BUZZ în domeniul internaționalizării învățământului superior.  „Empower Your Online Public Speaking Competences” – training de comunicare digitală pentru cursuri online, dedicat profesorilor TUIASI</p>	S2	-

	Perioada: 3 – 6 august 2020 <b>Cursant:</b> ș.l.dr.ing. Ciprian STAMATE		
	<b>A3.1.10</b> Contract Principal: ROSE AG329/SGU/PV/III/2020 Titlul proiectului: Școala de vară pentru elevi „Vreau să fiu student” – MECSTUD Contractor: Universitatea Tehnică „Gh. Asachi” din Iași Director de proiect: conf.univ.dr.ing. Gelu IANUȘ Durata proiectului: 28 luni, Perioada: mar. 2021 - iul. 2023 Valoare contract 2021: 201262,59 RON / 4,9204 RON/EURO = 40903,705 EURO Valoare contract 2022: 222132,83 RON / 4,9315 RON/EURO = 45043,664 EURO Valoare contract 2023: 185752,55 RON / 4.9412 RON/EURO = 37592,599 EURO Valoare contract Total: 609147,97 RON / = 123539,968 EURO Atelier de lucru - "Mașina inteligentă" <b>Formator (FR):</b> ș.l.dr.ing. Ciprian STAMATE, (15 membri) <span style="float: right;">123540/1000/15=8,236</span>	S2	8,236
	<b>A3.2 Prezentarea/Diseminarea rezultatelor: prezență la manifestări științifice în calitate de autor/co-autor de lucrări, profesor invitat</b>	<b>N5</b>	<b>26</b>
	<b>N5 Congrese/conferințe/workshopuri internaționale, profesor invitat la universități/institute din străinătate</b>	<b>N5</b>	<b>26</b>
	<b>A.3.2.1.</b> Cazan S., Chirita D., <b>Stamate C.</b> , Irimia D., Burlacu A., Doroftei I.: <i>Dismantling strategy for capacitors placed on printed circuits boards: challenges and preliminary results</i> , IOP Conference Series: Materials Science and Engineering, Vol. 997 (2020), 012071, doi:10.1088/1757-899X/997/1/012071, Online ISSN: 1757-899X, Print ISSN: 1757-8981, <a href="https://iopscience.iop.org/article/10.1088/1757-899X/997/1/012071">https://iopscience.iop.org/article/10.1088/1757-899X/997/1/012071</a> . ISI Web of Science. The 9th International Conference on Advanced Concepts in Mechanical Engineering (ACME 2020), Iași, 4-5 June 2020.	N5	1
	<b>A.3.2.2.</b> Stamate M.I., <b>Stamate C.</b> , Bujor A., Ochiuz L.: <i>Synthesis and analysis of nanofibers containing ketoprofen-betacyclodextrin complexes and polyvinyl alcohol for medical applications</i> , International Journal of Medical Dentistry, vol.24, nr.2, p282-283. 2p, Apr-Jun 2020, ISSN: 2066-6063, ISI Web of Science.	N5	1
	<b>A.3.2.3.</b> <b>Stamate C.</b> , Doroftei I., Chirita D., Burlacu A., <i>On designing an automated tool for capacitors removal from waste printed circuits boards</i> , IOP Conference Series: Materials Science and Engineering, Vol. 591 (2019), 012082, doi:10.1088/1757-899X/591/1/012082, Online ISSN: 1757-899X, Print ISSN: 1757-8981, <a href="https://iopscience.iop.org/article/10.1088/1757-899X/591/1/012082/meta">https://iopscience.iop.org/article/10.1088/1757-899X/591/1/012082/meta</a> . ISI Web of Science. Modern Technologies in Industrial Engineering VII (ModTech2019), Iași, 19–22 June 2019.	N5	1
	<b>A.3.2.4.</b> Bernevig-Sava M.A., <b>Stamate C.</b> , Lohan N.M., Baciuc A.M., Postolache I., Baciuc C., Baciuc E.R.: <i>Considerations on the surface roughness of SLM processed metal parts and the effects of subsequent sandblasting</i> , IOP Conference Series: Materials Science and Engineering 572 (1), 012071, doi:10.1088/1757-899X/572/1/012071, Print ISSN: 1757-8981, <a href="https://iopscience.iop.org/article/10.1088/1757-899X/572/1/012071/meta">https://iopscience.iop.org/article/10.1088/1757-899X/572/1/012071/meta</a> . ISI Web of Science. International Conference on Innovative Research - ICIR EUROINVENT 2019, Iasi, 16-17 May 2019.	N5	1
	<b>A.3.2.5.</b> Stamate M., <b>Stamate C.</b> , Bujor A., Gafitanu C., Ochiuz L.: <i>Preparation and characterization of some complexes of ketoprofen and hydroxypropyl beta cyclodextrin</i> , 11th International Conference on Materials Science and Engineering – BraMat 2019. ISI Web of Science.	N5	1
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	<b>C1 = numărul de citări</b>	<b>C1</b>	
	<b>S<sub>FI</sub> = suma factorilor de impact al publicațiilor WOS în care apar citările</b>	<b>S<sub>FI</sub></b>	
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		<p><b>A3.3.3.</b> Bernevig-Sava M.A., <b>Stamate C.</b>, Lohan N.M., Baciuc A.M., Postolache I., Baciuc C., Baciuc E.R.: <i>Considerations on the surface roughness of SLM processed metal parts and the effects of subsequent sandblasting,</i> IOP Conference Series: Materials Science and Engineering 572 (1), 012071, doi:10.1088/1757-899X/572/1/012071, Print ISSN: 1757-8981, <a href="https://iopscience.iop.org/article/10.1088/1757-899X/572/1/012071/meta">https://iopscience.iop.org/article/10.1088/1757-899X/572/1/012071/meta</a>. ISI Web of Science. <math>17+(2,117+2,838+3,6+3,9+2,838+4,8+6,2+2,5+4,6+2,7+3,4+1,2+2,838+3,4+0+0+0)=63,931</math></p> <p><b>C1.</b> <i>Effect of surface and subsurface defects on fatigue behavior of AISi10Mg alloy processed by laser powder bed fusion (L-PBF)</i> - M Hamidi Nasab, A Giussani, D Gastaldi, V Tirelli, M Vedani - Metals 2019, 9(10), 1063; <a href="https://doi.org/10.3390/met9101063">https://doi.org/10.3390/met9101063</a>. <b>IF 2,117/</b> 2019.</p> <p><b>C2.</b> <i>Surface Analysis of 3D (SLM) Co–Cr–W Dental Metallic Materials.</i> ER Baciuc, R Cimpoeșu, A Vițalariu, C Baciuc, N Cimpoeșu, A Sodor, G Zegan, A Murariu - Applied Sciences, 2021, 11(1), 255; <a href="https://doi.org/10.3390/app11010255">https://doi.org/10.3390/app11010255</a>. <b>IF 2,838/</b> 2021.</p>	C	63,931

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IF 3,9/ 2022.</p> <p><b>C5.</b> <i>Re-engineering of an impeller for submersible electric pump to be produced by selective laser melting.</i> GS Ponticelli, F Tagliaferri, S Venettacci, M Horn... - Applied Sciences, 2021, 11(16), 7375; <a href="https://doi.org/10.3390/app11167375">https://doi.org/10.3390/app11167375</a>. IF 2,838/ 2021.</p> <p><b>C6.</b> <i>A review on severe plastic deformation based post-processes for metal additive manufactured complex features.</i> SM Basha, N Venkaiah, TS Srivatsan... - Materials and Manufacturing Processes ..., 09 Aug 2023 - Taylor &amp; Francis Online. <a href="https://doi.org/10.1080/10426914.2023.2244033">https://doi.org/10.1080/10426914.2023.2244033</a>. 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