

## FISA DE VERIFICARE

### PROFESOR UNIVERSITAR DR. ING. BĂDOIU DORIN GEORGE

Comisia CNATDCU: 17. INGINERIE MECANICA, MECATRONICA SI ROBOTICA SI INGINERIE  
GENISTICA SI DE ARMAMENT

STANDARDE MINIMALE NECESARE SI OBLIGATORII PENTRU CONFERIREA TITLURILOR  
DIDACTICE DIN INVATAMANTUL SUPERIOR SI A GRADELOR PROFESIONALE DE  
CERCETARE – DEZVOLTARE

Nr. crt.	Domeniul activitatilor	Rezultatele activitatilor	Subcategorii		Indicatori realizați	Conditii minimale si obligatorii Profesor	
1	Activitate didactica si profesionala-DID (A1)	Manuale suport de curs (conform fisei disciplinei de concurs)	A1.1	Format tiparit/electronic [1](min. 100 pag.)	Coordonator/prim autor	$N1 = 4$ $N1.1 = 3$	2 1
					Co-autor	$N1.2 = 1$	-
				Format electronic disponibil pe Platforma universitatii /departamentului (autor)		$N1.3 = 3$	1
		Material didactic/Dezvoltare laboratoare, aplicatii	A1.2	Standuri laborator (constructie /modernizari) certificate de directorul de departament		$N2 = 8$ $N2.1 = 5$	4 2
Indrumar laborator/carte aplicatii format tiparit sau electronic (autor, co-autor)				$N2.2 = 3$	-		
Aplicatie informatica educationale				$N2.3 = 0$	-		
2	Activitate decercetare stiintifica, dezvoltare tehnologica si inovare-CDI (A2)	Articole si publicatii stiintifice indexate Web of Science Thomson Reuters (WOS) [2],unde $n=nr.de$ autori si FI este factorul de impact [3]	A2.1	Autor corespondent/prim autor	$n \leq 3$	$P1+P2=23.716$ $P1 = 23.716$ $P1.1 = 22.174$	10 6 -
					$n \geq 4$	$P1.2 = 0$	-
			Co-autor	$n \leq 3$	$P1.3 = 0$	-	
				$n \geq 4$	$P1.4 = 1.542$	-	
		Articole si publicatii stiintifice BDI [4] neincluse la A2.1	A2.2	Autor corespondent/ prim autor		$N3 = 10$ $N3.1 = 10$	10 5
				Co-autor		$N3.2 = 0$	-
		Brevete de inventii indexate [5]	A2.3	Internationale indexate in Web of Science-Derwent Innovation	$n \leq 3$	$P2 = 0$ $P2.1 = 0$	- -
					$n \geq 4$		
		Nationale indexate OSIM	A2.3		$n \leq 3$	$P2.2 = 0$	-
					$n \geq 4$		
		Produce,tehnologii, platforme si servicii inovative (validate conform procedurilor specific unitatilor de invatamant superior sau de cercetare)	A2.4	Coordonator/prim autor		$N4 = 6$ $N4.1 = 2$	2 -
				Co-autor		$N4.2 = 0$	-
Monografii/carti de specialitate [2], format tiparit/electronic (min.100 pag.)	A2.5	Coordonator/prim autor		$N4.3 = 2$	1		
		Co-autor		$N4.4 = 2$	-		
3	Recunoastere Si impactul activitatii-RIA (A3)	Atragere resurse Financiare prin granturi/proiecte/contracte terti	A3.1	Director sau responsabil partener la grant/ proiect castigat prin competitie nationala sau internationala	$S=S1+S2= 164.166$ $S1 = 159.2$	50	
				Membreu in echipa la grant/proiect castigat prin competitie nationala sau internationala, proiecte /contracte terti	$S2 = 4.966$	-	
		Prezentarea/Diseminarea rezultatelor: prezenta la manifestari stiintifice in calitate de autor/coautor de lucrari, profesor invitat	A3.2	Congrese/conferinte/workshopuri inernationale.profesor invitat la universitati/institute din strainatate		$N5 = 24$	10
Citari in publicatii BDI [5] (se exclud autocitatile)	A3.3	CI = numarul de citari SFI = suma factorilor de impact al publicatiilor WOS in care apar citarile		$C = CI + SFI = 24+35.915 = 59.915$	25		

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:

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

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

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

## JUSTIFICAREA INDICATORILOR

### 1. Activitate didactică și profesională - DID (A1)

#### A1.1. Manuale suport de curs - Format tiparit/electronic - Coordonator/prim autor

Nr. crt.	Carți publicate (autori,denumire)	Nr. Pag.	Indicator
1	Badoiu D., Analiza structurala și cinematica a mecanismelor, Editura Tehnica, (cod CNCIS 166), ISBN 973-31-2044-8, Bucuresti, 2001, 208 p	208	N1.1=1
2	Badoiu D., Analiza dinamica a mecanismelor și masinilor, Editura Didactica și Pedagogica, (cod CNCIS 165), ISBN 973-30-2451-1, Bucuresti, 2003, 210 p	210	N1.1=1
3	Badoiu D., Toma G., Sisteme robotice, Editura Universitatii Petrol-Gaze din Ploiesti, (cod CNCIS 87), ISBN 978-973-719-804-4, 2020, 171p.	171	N1.1= 1
<b>Total indicator N1.1 =</b>			<b>3</b>

#### A1.1. Manuale suport de curs - Format tiparit/electronic - Co-autor

Nr. crt.	Carți publicate (denumire)	Nr. pag	Indicatori
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1	Minescu, M., Ionescu, G., C., Nae, I., Laudacescu, E., <b>Badoiu D.</b> , Roboți industriali și sisteme flexibile de fabricație, Editura Universității Petrol-Gaze din Ploiești, (cod CNCSIS 87), ISBN 978-973-719-447-3, Ploiești, 2012, 245 p (cap. 5 și 6 - 102 p)	102	N1.2=1
<b>Total indicator N1.2 =</b>			<b>1</b>

**Total punctaj indicator N1=N1.1+N1.2=3+1 = 4**

**A1.1. Manuale suport de curs - Format electronic disponibil pe Platforma universitatii/departamentului (autor)**

Nr. crt.	Carți publicate (denumire)	Nr. pag	Indicatori
1	<b>Badoiu D.</b> , Mecanisme, Curs dezvoltat pe platforma SIGMA a Universitatii Petrol-Gaze din Ploiești, in cadrul programului POSDRU 55585	81	N1.3=1
2	<b>Badoiu D.</b> , Mecanisme si organe de masini 1 - curs, Platforma e-learning a Universitatii Petrol-Gaze din Ploiești, 2019	150	N1.3=1
3	<b>Badoiu D.</b> , Robotica – curs, Platforma e-learning a Universitatii Petrol-Gaze din Ploiești, 2020	144	N1.3=1
<b>Total indicator N1.3 =</b>			<b>3</b>

**A1.2 Material didactic/Dezvoltare laboratoare, aplicații - Standuri laborator (construcție/modernizări)**

Nr. crt.	Material didactic, aplicatii, dezvoltare standuri laborator pentru activitati didactice/cercetare	Indicatori
1	Mecanism plan policontur folosit pentru analiza mecanismelor plane cu bare - Laborator Mecanisme, sala E201 (coordonator)	N2.1=1
2	Mecanism de prehensiune cu structură complexă folosit pentru analiza dispozitivelor de prehensiune - Laborator Robotică și aplicații CIM, sala E303 (coordonator)	N2.1=1
3	Sistem robotic cu structura mecanică antropomorfa folosit pentru programarea ciclurilor de lucru ale robotilor industriali, Laborator Robotică și aplicații CIM, sala E303 (coordonator)	N2.1=1
4	Mecanism cu cama rotativa si tchet oscilant folosit pentru analiza mecanismelor cu came - Laborator Mecanisme, sala E201 (coordonator)	N2.1=1
5	CNC de gravat cu laser si sistem robotic pentru manipulare piese - Laborator Robotică și aplicații CIM, sala E303 (coordonator)	N2.1=1
<b>Total indicator N2.1 =</b>		<b>5</b>

**A1.2 Material didactic/Dezvoltare laboratoare, aplicații - Îndrumar laborator/carte aplicatii format tiparit sau electronic (autor, co-autor)**

Nr. crt.	Carti publicate (denumire)	Nr. pag	Indicatori
1	Panait Gh., <b>Badoiu D.</b> , Florea I, Sava M., Indrumar de lucrari de laborator si lucrari aplicative de mecanisme si mecanica robotilor, Editura Universitatii Petrol-Gaze din Ploiesti, (cod CNCSIS 87), 2004, 140 p (46 p)	46	N2.2=1
2	Panait Gh., <b>Badoiu D.</b> , Florea I, Sava M., Teoria mecanismelor si masinilor - Indrumar de lucrari de laborator si lucrari aplicative, Editura Sinteze, Ploiesti, 1997, 86 p, (33 p)	33	N2.2=1
3	<b>Badoiu D.</b> , Probleme de analiza pozitionala a robotilor industriali, Editura Universitatii Petrol-Gaze din Ploiesti, (cod CNCSIS 87), 1994, 133 p	133	N2.2=1
<b>Total indicator N2.2 =</b>			<b>3</b>

**A1.2 Material didactic/Dezvoltare laboratoare, aplicații - Aplicație informatică educațională**

Nr.	Aplicație informatică educațională	Indicatori
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<i>crt.</i>		
1	-	N2.3=0
<b>Total indicator N2.3=</b>		<b>0</b>

**Total punctaj indicator N2=N2.1+N2.2+N2.3=5+3+0=8**

## **2. Activitate de cercetare științifică, dezvoltare tehnologică și inovare-CDI (A2)**

**A2.1 Articole si publicatii stiintifice indexate Web of Science Thomson Reuters (WOS), unde n=nr.de autori si FI este factorul de impact – autor corespondent/prim autor, n ≤ 3**

Nr. crt.	Denumire articol	Factor de Impact FI	Realizat P1.1 = 2(0,2+FI), n ≤ 3
1	<b>Badoiu D.</b> , Toma G., Research Concerning the Predictive Evaluation of the Motor Moment at the Crankshaft of the Conventional Sucker Rod Pumping Units, Revista de Chimie, vol. 70, nr. 2, 2019, WOS:000461982200005, <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000461982200005">https://www.webofscience.com/wos/woscc/full-record/WOS:000461982200005</a>	<b>1.755</b>	3.91
2	<b>Badoiu D.</b> , Research concerning the movement equation of the mechanism of the conventional sucker rod pumping units, Revista de Chimie, vol. 70, nr. 7, 2019, WOS:000485843500037, <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000485843500037">https://www.webofscience.com/wos/woscc/full-record/WOS:000485843500037</a>	<b>1.755</b>	3.91
3	<b>Badoiu D.</b> , Research Concerning the Use of Polynomial Functions in the Study of the Conventional Sucker Rod Pumping Units, Revista de Chimie, vol. 70, nr. 4, 2019, WOS:000469387200023, <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000469387200023">https://www.webofscience.com/wos/woscc/full-record/WOS:000469387200023</a>	<b>1.755</b>	3.91
4	<b>Badoiu D.</b> , Toma G., Research Concerning the Correlations Between Some Experimental Results in the Case of a Sucker Rod Pumping Installation, Revista de Chimie, vol. 69, nr. 11, 2018, WOS:000451931500021, <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000451931500021">https://www.webofscience.com/wos/woscc/full-record/WOS:000451931500021</a>	<b>1.605</b>	3.61
5	<b>Badoiu D.</b> , Toma G., Research Concerning the Kinetostatic Analysis of the Mechanism of the Conventional Sucker Rod Pumping Units, Revista de Chimie, vol. 69, nr. 7, 2018, WOS:000444595700052, <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000444595700052">https://www.webofscience.com/wos/woscc/full-record/WOS:000444595700052</a>	<b>1.605</b>	3.61
6	<b>Badoiu D.</b> , Toma G., Research Concerning the Identification of Some Parameters of a Sucker Rod Pumping Unit, Revista de Chimie, vol. 68, nr. 10, 2017, WOS:000416750000017, <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000416750000017">https://www.webofscience.com/wos/woscc/full-record/WOS:000416750000017</a>	<b>1.412</b>	3.224
<b>Total indicator P1.1 =</b>			<b>22.174</b> n ≤ 3

**A2.1 Articole si publicatii stiintifice indexate Web of Science Thomson Reuters (WOS), unde n=nr.de autori si FI este factorul de impact – autor corespondent/prim autor, n ≥ 4**

Nr. crt.	Denumire articol	Factor de Impact FI	Realizat P1.2 = 2·3·(0,2+FI)/n, n ≥ 4
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<b>Total indicator P1.2 =</b>		<b>0</b>
		<b>n ≥ 4</b>

**A2.1 Articole si publicatii stiintifice indexate Web of Science Thomson Reuters (WOS), unde n=nr.de autori si FI este factorul de impact – co-autor, n ≤ 3**

Nr. crt.	Denumire articol	Factor de Impact FI	Realizat P1.3 = 0,2+FI, n ≤ 3
<b>Total indicator P1.3 =</b>			<b>0</b>
			<b>n ≤ 3</b>

**A2.1 Articole si publicatii stiintifice indexate Web of Science Thomson Reuters (WOS), unde n=nr.de autori si FI este factorul de impact – co-autor, n ≥ 4**

Nr. crt.	Denumire articol	Factor de Impact FI	Realizat P1.4=3·(0,2+FI)/n, n ≥ 4
1	Nită A., Laudacescu E., Petrescu M.G., Dumitru T., Burlacu A., <b>Badoiu D.</b> , Tănase M., Experimental Research Regarding the Effect of Mineral Aggregates on the Wear of Mixing Blades of Concrete Mixers, Materials, 2023,16, 5047, WOS:001069468500001, <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:001069468500001">https://www.webofscience.com/wos/woscc/full-record/WOS:001069468500001</a>	<b>3.4</b>	<i>1.542</i>
<b>Total indicator P1.4 =</b>			<b>1.542</b>
			<b>n ≥ 4</b>

**Total punctaj indicator P1**

$$P1=P1.1+P1.2+P1.3+P1.4=22.174+0+0+1.542=23.716$$

**A2.2 Articole si publicatii stiintifice BDI neincluse la A2.1 - autor corespondent/prim autor**

Nr. crt.	Denumire articol	Baza de date	Realizat N3.1 =numar
1	<b>Badoiu D.</b> , Toma G., Analysis of the dynamic response of the mechanism of conventional sucker rod pumping units, Revista de Chimie, vol. 71, nr. 1, 2020, <a href="https://www.scopus.com/authid/detail.uri?authorId=26434189500">https://www.scopus.com/authid/detail.uri?authorId=26434189500</a>	<b>Scopus</b>	<i>1</i>
2	<b>Badoiu D.</b> , Toma G., Research on designing a multiloop planar linkage, IOP Conference Series: Materials Science and Engineering, 2019, 659(1), 012001, <a href="https://www.scopus.com/authid/detail.uri?authorId=26434189500">https://www.scopus.com/authid/detail.uri?authorId=26434189500</a>	<b>Scopus</b>	<i>1</i>
3	<b>Badoiu D.</b> , Petrescu M.G., Antonescu N.N., Toma G., Research concerning the balancing of a plane mechanism, IOP Conference Series-Materials Science and Engineering, Vol. 295, 2018, DOI: 10.1088/1757-899X/295/1/012016, WOS:000448617300016, <a href="https://www.scopus.com/authid/detail.uri?authorId=26434189500">https://www.scopus.com/authid/detail.uri?authorId=26434189500</a> , <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000448617300016">https://www.webofscience.com/wos/woscc/full-record/WOS:000448617300016</a>	<b>Scopus, WOS</b>	<i>1</i>
4	<b>Badoiu D.</b> , Petrescu M.G., Antonescu N.N., Toma G., Research concerning the evaluation of the connection forces in the joints of the sucker rod pumping units mechanism, IOP Conference Series-Materials Science and Engineering, Vol. 295, 2018, DOI: 10.1088/1757-899X/295/1/012020, WOS:000448617300020, <a href="https://www.scopus.com/authid/detail.uri?authorId=26434189500">https://www.scopus.com/authid/detail.uri?authorId=26434189500</a> , <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000448617300020">https://www.webofscience.com/wos/woscc/full-record/WOS:000448617300020</a>	<b>Scopus, WOS</b>	<i>1</i>

5	Toma G., Pupazescu A., <b>Badoiu D.</b> (autor corespondent), Simulation of the Sucker Rod Column Dynamics for Different Pumping Regimes, Revista de Chimie, vol. 68, nr. 11, 2017, WOS:000416751800026, <a href="https://www.scopus.com/authid/detail.uri?authorId=26434189500">https://www.scopus.com/authid/detail.uri?authorId=26434189500</a> , <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000416751800026">https://www.webofscience.com/wos/woscc/full-record/WOS:000416751800026</a>	<b>Scopus, WOS</b>	1
6	<b>Badoiu D.</b> , Toma G., On a dynamic optimisation problem of the quadrilateral mechanism, Journal of the Balkan Tribological Association, Vol.: 22, Issue: 1, 2016, WOS:000374619000024, <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000374619000024">https://www.webofscience.com/wos/woscc/full-record/WOS:000374619000024</a>	<b>WOS</b>	1
7	<b>Badoiu D.</b> , Petrescu M.G., Toma G., On the analysis and synthesis of the quadrilateral mechanism, Journal of the Balkan Tribological Association, Vol.: 20, Issue: 2, 2014, WOS:000338972700001, <a href="https://www.scopus.com/authid/detail.uri?authorId=26434189500">https://www.scopus.com/authid/detail.uri?authorId=26434189500</a> , <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000338972700001">https://www.webofscience.com/wos/woscc/full-record/WOS:000338972700001</a>	<b>Scopus, WOS</b>	1
8	<b>Badoiu D.</b> , Petrescu M., Toma G., Helthuis J. - On the Generation of Complex Trajectories Using a Robotic System with Six Degrees of Freedom, Applied Mechanics and Materials, Vol. 657, 2014, DOI: 10.4028/www.scientific.net/AMM.657.803, WOS:000348898000157, <a href="https://www.scopus.com/authid/detail.uri?authorId=26434189500">https://www.scopus.com/authid/detail.uri?authorId=26434189500</a> , <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000348898000157">https://www.webofscience.com/wos/woscc/full-record/WOS:000348898000157</a>	<b>Scopus, WOS</b>	1
9	<b>Badoiu D.</b> , Petrescu M., Bucuroiu R., Research concerning the influence of constructive errors on the positioning of the robots structures, Metalurgia International, Vol. 14, Issue: 7, 2009, WOS:000268551100020, <a href="https://www.scopus.com/authid/detail.uri?authorId=26434189500">https://www.scopus.com/authid/detail.uri?authorId=26434189500</a> , <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000268551100020">https://www.webofscience.com/wos/woscc/full-record/WOS:000268551100020</a>	<b>Scopus, WOS</b>	1
10	<b>Badoiu D.</b> , Petrescu M., On the analysis and synthesis of a manipulator robot system, Metalurgia International, Vol. 15, Issue: 10, 2009, WOS:000268716400012, <a href="https://www.scopus.com/authid/detail.uri?authorId=26434189500">https://www.scopus.com/authid/detail.uri?authorId=26434189500</a> , <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000268716400012">https://www.webofscience.com/wos/woscc/full-record/WOS:000268716400012</a>	<b>Scopus, WOS</b>	1
<b>Total indicator N3.1 =</b>			<b>10</b>

#### A2.2 Articole si publicatii stiintifice BDI neincluse la A2.1 – co-autor

Nr. crt.	Denumire articol	Baza de date	Realizat N3.2 =numar
<b>Total indicator N3.2 =</b>			

**Total punctaj indicator N3**

$$N3=N3.1+N3.2=10+0=10$$

#### A2.3 Brevete de inventie indexate Web of Science-Derwent innovation

Nr. crt.	Denumire brevet	Derwent Primary Accession Number	Realizat P2.1 = $3 \cdot (0,2+FI)/n$ , $n \geq 4$ , FI=2
<b>Total indicator P2.1=</b>			<b>0</b>

**TOTAL punctaj brevete de inventii indexate P2.1+P2.2=0**

$$\text{Total punctaj } P1+P2=23.716+0=23.716$$

**A2.4 Produse, tehnologii, platforme si servicii inovative (validate conform procedurilor specifice unitatilor de invatamant superior sau de cercetare) coordinator/prim autor, co-autor**

Nr. crt.	Produse, tehnologii, platforme si servicii inovative	Indicator N4.1(numar) sau N4.2(numar)
1	Sistem robotic cu patru module de rotatie folosind tehnologia de imprimare 3D (coordonator)	N4.1=1
2	Sistem robotic hexapod folosind tehnologia de imprimare 3D (coordonator)	N4.1=1
<b>Total punctaj indicator N4.1+N4.2=</b>		<b>N4.1=2</b>

**A2.5 Monografii/carti de specialitate, format tipărit/electronic – coordonator/prim autor, co-autor (min. 100 pagini)**

Nr. crt.	Monografiile de specialitate/ carti de specialitate, format tiparit/electronic	Nr. pag.	Indicator N4.3 (coordonator/ prim autor) N4.4 (co-autor)
1	<b>Bădoiu D.</b> , Toma G., Structura si cinematica mecanismelor cu bare, Editura Universității Petrol-Gaze din Ploiești (cod CNC SIS 87), ISBN 978-973-719-761-0, 2019, 229 pag.	114.5	N4.3 = 1
2	<b>Bădoiu D.</b> , Mecanica Robotilor, Editura Universitatii Petrol-Gaze din Ploiesti (cod CNC SIS 87), ISBN 973-719-101-3, 2006, 275 pag.	275	N4.3 = 1
3	Eparu I., <b>Bădoiu D.</b> , Elemente de mecanică teoretică și de modelare a structurilor de roboți industriali, Editura Tehnică (cod CNC SIS 166), Bucuresti, 1997, ISBN 973-31-1117-1, 248 pag.	124	N4.4 = 1
4	Vasilescu S., Talle V., <b>Bădoiu D.</b> , Rezistenta Materialelor. Tehnici de calcul si proiectare, Editura Ilex (cod CNC SIS 83), ISBN 973-85511-1-0, Bucuresti, 2002, 166 pag.	55	N4.4 = 1
<b>Total N4.3 + N4.4 = 2 + 2 = 4</b>			

**Total indicator punctaj indicator N4=N4.1+N4.2+N4.3+N4.4 = 2 + 0 + 2 + 2 = 6**

**3.Recunoastere si impactul activitatii-RIA (A3)**

**A3.1 Atragere resurse financiare prin granturi/proiecte/contracte terți (1 EURO = 5 RON)**

Nr. crt.	Director sau responsabil partener la grant/proiect castigat prin competitie nationala sau internationala	Valoare mii Euro	Indicatori
1	<b>Bădoiu D. (director grant)</b> , Eparu I., Oprea M., Petrescu M.G., Dinita A., Vasilescu S., Moise A., Popa I., Cangea O., Bucur G., Stanciu L., Olteanu M., Popescu C., Neacsu A., Grant PN II nr. 143/2007 (nr. intern Univ. Petrol-Gaze, Departament Cercetare Stiintifica - 85/2007), Dezvoltarea unui laborator pentru aplicarea tehnologiilor CIM, Autoritatea contractanta: Autoritatea Nationala pentru Cercetare Stiintifica, 796000 RON	159,2	S1
<b>Membru in echipa la grant/proiect castigat prin competitie nationala sau internationala, proiecte /contracte terti</b>			
2	<b>Bădoiu D. (director contract)</b> , Dinu F., Toma G., Studiu privind proiectarea 3D a unor elemente din echipamentele folosite in industria petroliera, beneficiar SC Expert Serv SRL, nr contract 177/2012 (CTTIAP), 10000/3 RON	0,666	S2
3	<b>Bădoiu D. (director contract)</b> , Vasilescu S., Talle V., Analiza starii de tensiuni si deformatii la robinetii cu sertar expandabil, nr contract 36/2004, beneficiar Uztel SA Ploiesti, 4000/3 RON	0,266	S2
4	<b>Bădoiu D. (director contract)</b> , Vasilescu S., Talle V., Analiza starilor de tensiuni si deformatii din unele utilaje speciale fabricate de S.C. UZTEL S.A.	0,133	S2

	Ploiesti, nr contract 15/2003, beneficiar Uztel SA Ploiesti, 2000/3 RON		
5	<b>Bădoiu D. (director contract)</b> , Vasilescu S., Talle V., Analiza starilor de tensiuni si deformatii din structuri de tipul corpurilor de robinet, contract nr. 14/2003, beneficiar Uztel SA Ploiesti, 3000/3 RON	0,2	S2
6	<b>Bădoiu D. (director contract)</b> , Vasilescu S., Talle V., Calculul de rezistenta a retelelor de conducte, contract nr. 3/2002, beneficiar Petrotrans SA Ploiesti, 1500/3 RON	0,1	S2
7	<b>Bădoiu D. (director contract)</b> , Vasilescu S., Talle V., Analiza statica a structurilor de foraj de tip mast, contract nr. 2/2002, beneficiar Uztel SA Ploiesti, 5000/3 RON	0,333	S2
8	<b>Bădoiu D. (director contract)</b> , Vasilescu S., Talle V., Analiza dinamica a structurilor de foraj de tip mast, contract nr. 1/2002, beneficiar Uztel SA Ploiesti, 5000/3 RON	0,333	S2
9	<b>Bădoiu D. (director contract)</b> , Vasilescu S., Talle V., Eparu I., Analiza experimentală a comportării dinamice a unor utilaje din S.C. Mefin S.A.-Sinaia, contract nr. 12/2002, beneficiar S.C. Mefin S.A.-Sinaia, 3500/4 RON	0,175	S2
10	<b>Bădoiu D. (director contract)</b> , Vasilescu S., Talle V., Eparu I., Analiza stării de tensiuni si deformatii din arborele de antrenare a pompei DPA cu presiune de injectie marita, nr contract 10/2002, beneficiar S.C. Mefin S.A.-Sinaia, 3200/4 RON	0,16	S2
11	Talle V., Vasilescu S., <b>Bădoiu D.</b> , Studiul funcționării unităților de pompare în vederea obținerii unui consum minim de energie, nr contract 19/2003, beneficiar SNP Petrom, 39000/3 RON	2,6	S2
<b>Total indicator S1 + S2 = 159,2 + 4,966 = 164,166</b>			

### **A3.2 Prezentarea/Diseminarea rezultatelor: prezenta la manifestari stiintifice in calitate de autor/co-autor de lucrari, profesor invitat**

Nr. Crt.	Denumire articol si conferinta la care a fost prezentat	Indicator N5 (numar)
1	<b>Bădoiu D.</b> , Toma G., Research on designing a multiloop planar linkage, IOP Conference Series: Materials Science and Engineering, Volume 659, Issue 1, 2019, Article number 012001, 9th International Scientific Conference on Research and Development of Mechanical Elements and Systems, IRMES 2019; University of Kragujevac, Faculty of Engineering Kragujevac, Serbia; 5-7 September 2019	1
2	<b>Bădoiu D.</b> , Petrescu M.G., Antonescu N.N., Toma G., Research concerning the evaluation of the connection forces in the joints of the sucker rod pumping units mechanism, Proceedings of 9th International Conference on Tribology (Balkantrib'17), pag. 160-167, Turkey, 13-15 sept. 2017	1
3	<b>Bădoiu D.</b> , Petrescu M.G., Antonescu N.N., Toma G., Research concerning the balancing of a plane mechanism, Proceedings of 9th International Conference on Tribology (Balkantrib'17), pag. 168-175, Turkey, 13-15 sept. 2017	1
4	<b>Bădoiu D.</b> , Petrescu M., Toma G., Helthuis J., On the Generation of Complex Trajectories Using a Robotic System with Six Degrees of Freedom, Applied Mechanics and Materials, Volume 657, 2014, Pages 803-807, Innovative Manufacturing Engineering International Conference, IManE 2014; Chisinau; Moldova; 29-30 May 2014	1
5	<b>Bădoiu D.</b> , Petrescu M., On the Application of a Simplified Dynamic Model for the Calculus of the Driving Moments of Mechanisms, Proceedings of the 43rd International Symposium on Robotics (ISR 2012), pag. 786-790, August 29-31 2012, Taipei World Trade Center (TWTC)	1
6	<b>Bădoiu D.</b> , Research concerning the differential model of the Mitsubishi Melfa RV-1A robot system, Proceedings of the 2nd International Conference Science and Tehnology in the context of Sustainable Development, pag. 17-22, Universitatea Petrol-Gaze din Ploiesti, 2010	1
7	<b>Bădoiu D.</b> , On the calculus of the equilibrium moment in the case of a plane mechanism, Proceedings of the 2nd International Conference Science and Tehnology in the context of Sustainable Development, pag. 23-28, Universitatea Petrol-Gaze din Ploiesti, 2010	1
8	<b>Bădoiu D.</b> , The analysis of trajectories generation using a robot with five degrees of freedom, Proceedings of the International Symposium of the Institute of Solid Mechanics SISOM 2009,	1



	pag. 209-212, 28-29 mai 2009, Bucuresti	
9	<b>Bădoiu D.</b> , Rîpeanu R., Research concerning the achievement of a mechatronic device used for testing the spherical joints, Proceedings of the International Conference ECOTRIB 2007, pag. 997-1004, Ljubljana (Slovenia), 12-15 iunie 2007	<i>1</i>
10	<b>Bădoiu D.</b> , The analysis and synthesis of a linkage with cinematic parameters imposed, Proceedings of the International Symposium of the Institute of Solid Mechanics SISOM 2007, pag. 168-171, 29-31 mai 2007, Bucuresti	<i>1</i>
11	<b>Bădoiu D.</b> , On the dynamics of a manipulator with the movement parameters imposed, Proceedings of the International Conference Universitaria Simpro 2007, pag. 5-8, Universitatea din Petrosani, 2007	<i>1</i>
12	<b>Bădoiu D.</b> , On the synthesis of an anthropomorphic robot structure, Proceedings of the International Conference Universitaria Simpro 2007, pag. 9-14, Universitatea din Petrosani, 2007	<i>1</i>
13	<b>Bădoiu D.</b> , Research concerning the dynamics of a manipulator robot with elastic links, Proceedings of International Symposium of the Institute of Solid Mechanics SISOM 2006, pag. 413-416, 17-19 mai 2006, Bucuresti	<i>1</i>
14	<b>Bădoiu D.</b> , On the simulation of the motion of a five bar link planar mechanism, Proceedings of the International Conference Universitaria Simpro 2006, pag. 9-11, Universitatea din Petrosani, 2006	
15	<b>Bădoiu D.</b> , Research concerning the precision of the trajectories obtained with antropomorphic robots structures, Proceedings of the International Symposium of the Institute of Solid Mechanics SISOM 2005, pag. 280-285, Bucuresti, 2005	<i>1</i>
16	<b>Bădoiu D.</b> , Research concerning the kinematics of industrial robots active mechanisms, Proceedings of the International Conference Universitaria Simpro 2005, pag. 23-27, Universitatea din Petrosani, 2005	<i>1</i>
17	<b>Bădoiu D.</b> , Some results concerning the dynamic movement equations of industrial robots active mechanisms, Proceedings of the International Conference Universitaria Simpro 2005, pag. 33-36, Universitatea din Petrosani, 2005	<i>1</i>
18	Tudor I., Rîpeanu R.G., <b>Bădoiu D.</b> , Device and simulator for testing pairs of materials used for joints design, Proceedings of the 2nd International Conference on Manufacturing Engineering ICMEN and EUREKA Brokerage Event, pag. 417-423, Grecia, 2005	<i>1</i>
19	<b>Bădoiu D.</b> , Vasilescu S., Talle V., Automatic calculus of movement equations of industrial robots, Proceedings of the 4th International Conference of PhD Students, pag. 13-18, University of Miskolc, Hungary, 2003	<i>1</i>
20	<b>Bădoiu D.</b> , Research concerning the achievement of running simulators of plane mechanisms, Proceedings of the 4th International Conference of PhD Students, pag. 19-24, University of Miskolc, Hungary, 2003	<i>1</i>
21	<b>Bădoiu D.</b> , Eparu I., Research concerning the calculus of the dynamic model of the industrial robots active mechanisms using the Lagrange formalism, Proceedings of the 8th IFToMM International Symposium on Theory of Machines and Mechanisms, pag. 15-20, Bucuresti, 2001	<i>1</i>
22	Posea N., <b>Bădoiu D.</b> , Lupascu, T., Research Concerning the Dynamic Analysis of Industrial Robots Mechanisms with a View to their Dimensional Optimisation, Proceedings of the 27th International Conference on Industrial Robots-Robotics Towards 2000, pag. 599-604, Milano, 1996	<i>1</i>
23	<b>Bădoiu D.</b> , Posea, N., Research Concerning the Influence of Links' Elasticity upon the Movement of Industrial Robots, Proceedings of the 2nd ECPD International Conference on Advanced Robotics, Intelligent Automation and Active Systems, pag. 123-128, Viena, 1996	<i>1</i>
24	<b>Bădoiu D.</b> , Posea N., Research Concerning the Dynamic Analysis of Flexible Robots, Proceedings of the First ECPD International Conference on Advanced Robotics and Intelligent Automation, Atena, pag. 639-644, 1995	<i>1</i>
<b>Total indicator N5=</b>		<b>24</b>

**A3.3 Citari in publicatii BDI (se exclud autocitarile) - articole ISI+BDI (Scopus)**

Nr. Crt.	Lucrarea citată <sup>2</sup>	Lucrarea care citează <sup>2</sup>	Adresa web a lucrării care citează <sup>3</sup> si FI
1	Bădoiu, D., Toma, G., Research concerning the predictive evaluation of the motor moment at the crankshaft of the conventional sucker rod pumping units, Rev. Chim. (Bucharest), <b>70</b> , no. 2, 2019, p. 378-381	1.1. Xu, JC; Meng, SY; Li, W; Wang, Y, Positive Torque Modulation Method and Key Technology of Conventional Beam Pumping Unit, ENERGIES, Volume 15, Issue 9, 2022, WOS:000794536900001	<a href="https://www.mdpi.com/1996-1073/15/9/3141">https://www.mdpi.com/1996-1073/15/9/3141</a> <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000794536900001">https://www.webofscience.com/wos/woscc/full-record/WOS:000794536900001</a> <b>FI=3.2</b>
		1.2. Toma, G., Research concerning the optimization of the mechanism of the conventional sucker rod pumping units, Revista de Chimie, Vol. 70, nr. 5, 2019, pag. 1795-1799, WOS:000470086400058	<a href="https://revistadechimie.ro/pdf/58%20TOMA%20G%205%2019.pdf">https://revistadechimie.ro/pdf/58%20TOMA%20G%205%2019.pdf</a> <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000470086400058">https://www.webofscience.com/wos/woscc/full-record/WOS:000470086400058</a> <b>FI=1.755</b>
		1.3. Xu, JC; Li, W ; Meng, SY, Kinematic and Dynamic Simulation Analysis of Modified Conventional Beam Pumping Unit, ENERGIES, Volume 15, Issue 15, 2022, WOS:000839725700001	<a href="https://www.mdpi.com/1996-1073/15/15/5496">https://www.mdpi.com/1996-1073/15/15/5496</a> <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000839725700001">https://www.webofscience.com/wos/woscc/full-record/WOS:000839725700001</a> <b>FI=3.2</b>
		1.4. Toma G., Research Concerning the Dynamic Model of the Conventional Sucker Rod Pumping Units, vol. 70, nr. 8, 2019, pag. 2818-2821, WOS:000489685600023	<a href="https://revistadechimie.ro/pdf/23%20TOMA%20G%208%2019.pdf">https://revistadechimie.ro/pdf/23%20TOMA%20G%208%2019.pdf</a> <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000489685600023">https://www.webofscience.com/wos/woscc/full-record/WOS:000489685600023</a> <b>FI=1.755</b>
	<b>Σ FI articol 1= 9.91</b> <b>C1 articol 1= 4</b> <b>C articol 1= 13.91</b>		
2	Bădoiu D., Research Concerning the Use of Polynomial Functions in the Study of the Conventional Sucker Rod Pumping Units, Revista de Chimie, vol. 70, nr. 4, 2019, pag. 1223-1227	2.1. Tribuana R. P., Sriwijaya R., Simulative Study and Stress Analysis of Conventional Pumping Unit Using Finite Element Method, INNOVATIVE SCIENCE AND TECHNOLOGY IN MECHANICAL ENGINEERING FOR INDUSTRY 4.0, AIP Conference Proceedings, Volume: 2187, DOI: 10.1063/1.5138348, WOS:000521828900093	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000521828900093">https://www.webofscience.com/wos/woscc/full-record/WOS:000521828900093</a> <a href="https://pubs.aip.org/aip/acp/article-abstract/2187/1/050018/856541/Simulative-study-and-stress-analysis-of?redirectedFrom=fulltext">https://pubs.aip.org/aip/acp/article-abstract/2187/1/050018/856541/Simulative-study-and-stress-analysis-of?redirectedFrom=fulltext</a> <b>FI=0</b>
		2.2. Toma G., Research Concerning the Dynamic Model of the Conventional Sucker Rod Pumping Units, Revista de Chimie, vol. 70, nr. 8, 2019, pag. 2818-	<a href="https://revistadechimie.ro/pdf/23%20TOMA%20G%208%2019.pdf">https://revistadechimie.ro/pdf/23%20TOMA%20G%208%2019.pdf</a> <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000489685600023">https://www.webofscience.com/wos/woscc/full-record/WOS:000489685600023</a>

		2821,WOS:000489685600023	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000489685600023">om/wos/woscc/full-record/WOS:000489685600023</a> <i>FI=1.755</i>
	$\Sigma$ <b>FI articol 2= 1.755</b> <b>C1 articol 2= 2</b> <b>C articol 2= 3.755</b>		
3	<b>Bădoiu, D.,</b> Toma, G., Research concerning the identification of some parameters of a sucker rod pumping unit, Rev. Chim. (Bucharest), <b>68</b> , no. 10, 2017, p. 2289-2292	3.1. Toma, G., Research concerning the optimization of the mechanism of the conventional sucker rod pumping units, Revista de Chimie, Vol. 70, nr. 5, 2019, pag. 1795-1799, WOS:000470086400058	<a href="https://revistadechimie.ro/pdf/58%20TOMA%20G%205%2019.pdf">https://revistadechimie.ro/pdf/58%20TOMA%20G%205%2019.pdf</a> <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000470086400058">https://www.webofscience.com/wos/woscc/full-record/WOS:000470086400058</a> <i>FI=1.755</i>
		3.2. Toma G., Research Concerning the Dynamic Model of the Conventional Sucker Rod Pumping Units, Revista de Chimie, vol. 70, nr. 8, 2019, pag. 2818-2821, WOS:000489685600023	<a href="https://revistadechimie.ro/pdf/23%20TOMA%20G%208%2019.pdf">https://revistadechimie.ro/pdf/23%20TOMA%20G%208%2019.pdf</a> <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000489685600023">https://www.webofscience.com/wos/woscc/full-record/WOS:000489685600023</a> <i>FI=1.755</i>
	$\Sigma$ <b>FI articol 3= 3.51</b> <b>C1 articol 3= 2</b> <b>C articol 3= 5.51</b>		
4	<b>Bădoiu D.,</b> Petrescu M.G., Toma G., On the analysis and synthesis of the quadrilateral mechanism, Journal Of The Balkan Tribological Association, Vol.: 20, Issue: 2, Pag.: 161-168, 2014	4.1. Lu X, Hu Z, Lu X, Peng B., Design and performance test of the half-fed and self-propelled garlic harvester, INMATEH - Agricultural Engineering, Volume 52, Issue 2, 2017, Pages 1-8, ISSN: 20684215, WOS:000413658800007	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000413658800007">https://www.webofscience.com/wos/woscc/full-record/WOS:000413658800007</a> <i>FI=0</i>
		4.2. Lv, X., Hu, Z., Lv, X., Peng, B., Wang, S., Research and development on the test device of half feeding peanut picking, Journal of the Balkan Tribological Association, Volume 22, Issue 4-II, 2016, Pages 4257-4271	<a href="https://www.scopus.com/recording/display.uri?eid=2-s2.0-85020518395&amp;origin=resultslist&amp;sort=plf-f&amp;cite=2-s2.0-84906659149&amp;src=s&amp;imp=t&amp;sid=ae51905d40a9ee77e7dff64be066f3a6&amp;sot=cite&amp;sdt=a&amp;sl=0&amp;relpos=3&amp;citeCnt=0&amp;searchTerm=">https://www.scopus.com/recording/display.uri?eid=2-s2.0-85020518395&amp;origin=resultslist&amp;sort=plf-f&amp;cite=2-s2.0-84906659149&amp;src=s&amp;imp=t&amp;sid=ae51905d40a9ee77e7dff64be066f3a6&amp;sot=cite&amp;sdt=a&amp;sl=0&amp;relpos=3&amp;citeCnt=0&amp;searchTerm=</a>

			<i>FI=0</i>
	$\Sigma$ FI articol 4= 0 C1 articol 4= 2 C articol 4= 2		
5	<b>Bădoiu, D.</b> , Toma, G., On a dynamic optimisation problem of the quadrilateral mechanism, Journal of the Balkan Tribological Association, Vol. 22, no. 1, 2016, p. 250-260	5.1. Toma, G., Research concerning the optimization of the mechanism of the conventional sucker rod pumping units, Revista de Chimie, Vol. 70, nr. 5, 2019, pag. 1795-1799, WOS:000470086400058	<a href="https://revistadechimie.ro/pdf/58%20TOMA%20G%205%2019.pdf">https://revistadechimie.ro/pdf/58%20TOMA%20G%205%2019.pdf</a>  <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000470086400058">https://www.webofscience.com/wos/woscc/full-record/WOS:000470086400058</a>  <i>FI=1.755</i>
		5.2. Toma G., Research Concerning the Dynamic Model of the Conventional Sucker Rod Pumping Units, Revista de Chimie, vol. 70, nr. 8, 2019, pag. 2818-2821, WOS:000489685600023	<a href="https://revistadechimie.ro/pdf/23%20TOMA%20G%208%2019.pdf">https://revistadechimie.ro/pdf/23%20TOMA%20G%208%2019.pdf</a>  <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000489685600023">https://www.webofscience.com/wos/woscc/full-record/WOS:000489685600023</a>  <i>FI=1.755</i>
	$\Sigma$ FI articol 5= 3.51 C1 articol 5= 2 C articol 5= 5.51		
6	Vasilescu S., <b>Bădoiu D.</b> , Talle V., Eparu I., Ghita I., Analiza dinamică a unui mast, Revista Constructia de Masini, nr. 9-10, 2003, pag. 61-66	6.1. Stanciu L. S., Popa I., Stress and Displacements Analysis for Drilling Mast Elements Made of Rectangular Pipe under the Action of the Wind as a Hurricane, PROCEEDINGS OF THE 14TH SYMPOSIUM ON EXPERIMENTAL STRESS ANALYSIS AND MATERIALS TESTING, Key Engineering Materials, Volume: 601, Pages: 116-119, DOI: 10.4028/www.scientific.net/KEM.601.116, WOS:000343792400027	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000343792400027">https://www.webofscience.com/wos/woscc/full-record/WOS:000343792400027</a>  <i>FI=0</i>
		6.2. Stanciu L. S., Popa I., Stress and displacements analysis for drilling mast elements made of rectangular pipe: the overload test case, PROCEEDINGS OF THE 14TH SYMPOSIUM ON EXPERIMENTAL STRESS ANALYSIS AND MATERIALS TESTING, Key Engineering Materials, Volume: 601, Pages: 120-123, DOI: 10.4028/www.scientific.net/KEM.601.120, WOS:000343792400028	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000343792400028">https://www.webofscience.com/wos/woscc/full-record/WOS:000343792400028</a>  <i>FI=0</i>
	$\Sigma$ FI articol 6= 0 C1 articol 6= 2 C articol 6= 2		
7	<b>Bădoiu, D.</b> , Toma, G., Research concerning the kinetostatic analysis of the mechanism of the conventional sucker rod pumping units, Rev. Chim. (Bucharest), <b>69</b> , no. 7, 2018, p. 1855-	7.1. Toma, G., Research concerning the optimization of the mechanism of the conventional sucker rod pumping units, Revista de Chimie, Vol. 70, nr. 5, 2019, pag. 1795-1799, WOS:000470086400058	<a href="https://revistadechimie.ro/pdf/58%20TOMA%20G%205%2019.pdf">https://revistadechimie.ro/pdf/58%20TOMA%20G%205%2019.pdf</a>  <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000470086400058">https://www.webofscience.com/wos/woscc/full-record/WOS:000470086400058</a>

1859			<i>FI=1.755</i>
		7.2. Tribuana R. P., Sriwijaya R., Simulative Study and Stress Analysis of Conventional Pumping Unit Using Finite Element Method, INNOVATIVE SCIENCE AND TECHNOLOGY IN MECHANICAL ENGINEERING FOR INDUSTRY 4.0, AIP Conference Proceedings, Volume: 2187, DOI: 10.1063/1.5138348, WOS:000521828900093	<a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000521828900093">https://www.webofscience.com/wos/woscc/full-record/WOS:000521828900093</a> <i>FI=0</i>
		7.3. Toma G., Research Concerning the Dynamic Model of the Conventional Sucker Rod Pumping Units, vol. 70, nr. 8, 2019, pag. 2818-2821, WOS:000489685600023	<a href="https://revistadechimie.ro/pdf/23%20TOMA%20G%208%2019.pdf">https://revistadechimie.ro/pdf/23%20TOMA%20G%208%2019.pdf</a> <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000489685600023">https://www.webofscience.com/wos/woscc/full-record/WOS:000489685600023</a> <i>FI=1.755</i>
<b>∑ FI articol 7= 3.51 C1 articol 7= 3 C articol 7= 6.51</b>			
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			<u>1</u> <i>FI=3.2</i>
	$\Sigma$ FI articol 9= 3.2 C1 articol 9= 2 C articol 9= 5.2		
10	Toma, G., <b>Bădoiu, D.</b> , Research concerning the influence of some constructive errors on the dynamics of a pumping unit, Petroleum-Gas University of Ploiesti Bulletin, Technical Series, Vol. 63, no. 4, 2011, p. 27-30	10.1. Toma, G., Research concerning the optimization of the mechanism of the conventional sucker rod pumping units, Revista de Chimie, Vol. 70, nr. 5, 2019, pag. 1795-1799, WOS:000470086400058	<a href="https://revistadechimie.ro/pdf/58%20TOMA%20G%205%2019.pdf">https://revistadechimie.ro/pdf/58%20TOMA%20G%205%2019.pdf</a>  <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000470086400058">https://www.webofscience.com/wos/woscc/full-record/WOS:000470086400058</a>  <i>FI=1.755</i>
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		$\Sigma$ FI articol 11= 3.5 C1 articol 11= 1 C articol 11= 4.5	
<b>Total puncte din citari indicator C: C = C1 + S<sub>FI</sub> = 24 + 35.915 = 59.915</b>			

*Total punctaj = A1+A2+A3 = 16+39.716+248.081= 303.797*

*Data: 6.03.2024*

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