UNIVERSITATEA PETROL - GAZE DIN PLOIEȘTI Anexa 4
FACULTATEA INGINERIE MECANICĂ ȘI ELECTRICĂ
DEPARTAMENTUL INGINERIE MECANICĂ
Concurs pentru ocuparea postului de **conferențiar**, poz. **17**
Disciplinele postului: Materiale electrotehnice. Știința și ingineria materialelor 1. Știința și ingineria materialelor 2. Tehnologii de recondiționare a utilajului petrolier
Domeniul Inginerie Mecanică

FIȘA DE VERIFICARE – Ibrahim Naim RAMADAN

a îndeplinirii standardelor universității de prezentare la concurs pentru postul de **conferențiar**

1. Studiile de doctorat/Statutul de student - doctorand

Nr. crt.	Instituția organizatoare de doctorat	Domeniul	Perioada	Titlul științific acordat
1.	Universitatea Petrol-Gaze din Ploiești	Inginerie Mecanică	2011-2016	Doctor conform 3148/30.01.2017

2. Îndeplinirea standardelor minimale (conform Anexei 17 – Ordin nr. 6129/2016 din 20 decembrie 2016)

Nr. crt.	*Domeniul activităților*	*Rezultatele activităților*	*Subcategorii*			*Indicatori realizați*	*Condiții minimale și obligatorii Conferențiar*
1	Activitate didactica si profesionala - DID (A1)	Manuale suport de curs (conform fisei disciplinei de concurs)	A1.1	Format tipărit/electronic [1/(min. 100 pag.]	Coordonator/ prim autor	N1 = **3** N1.1 = **2**	**2** **0**
					Co-autor	N1.2 = **1**	**0**
				Format electronic disponibil pe Platforma universității /departamentului (autor)		N1.3 = **3**	**1**
		Material didactic/Dezvoltare laboratoare, aplicații	A1.2	Standuri laborator (construcție, modernizări) certificate de directorul de departament		N2 = **24** N2.1 = **20**	**3** **1**
				Îndrumar laborator/carte aplicații format tipărit sau electronic (autor, co-autor)		N2.2 = **0**	-
				Aplicații informatice educaționale		N2.3 = **4**	-
2	Activitate de cercetare științifică, dezvoltare tehnologica si inovare - CDI (A2)	Articole și publicații științifice indexate Web of Science Thomson Reuters (WOS) [2],unde n=nr.de autori și FI este factorul de impact [3]	A2.1	Autor corespondent/ prim autor	n ≤3	P1+P2=**30,233** P1= **30,233** P1.1 = **7,2**	**5** **3** -
					n ≥4	P1.2 = **6,232**	-
				Co-autor	n ≤3	P1.3 = **3,355**	-
					n ≥4	P1.4 =**13,446**	-
		Articole și publicații științifice BDI [4] neincluse la A2.1	A2.2	Autor corespondent/ prim autor		N3 = **8** N3.1 = **3**	**8** **3**
				Co-autor		N3.2 = **5**	-
		Brevete de invenții indexate [5]	A2.3	Internaționale indexate in Web of Science-Derwent Innovation	n ≤3	P2 = **0**	-
					n ≥4	P2.1 = **0**	-
				Naționale indexate OSIM	n ≤3 n ≥4	P2.2 = **0**	-
		Produse, tehnologii, platforme și servicii inovative (validate conform procedurilor specific unităților de învățământ superior sau de cercetare)	A2.4	Coordonator/prim autor		N4 =**5** N4.1 =**1**	**1** -
				Co-autor		N4.2 = **4**	-
		Monografii/cărți de specialitate [2], format tipărit/electronic (min.100 pag.)	A2.5	Coordonator/prim autor		N4.3 = **0**	**0**
				Co-autor		N4.4 = **0**	-
3	Recunoaștere 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		S=S1+S2=**206,138** S1 = **35,355**	**10**
				Membru in echipa la grant/proiect câștigat prin competiție națională sau internațională, proiecte /contracte terți		S2 = **170,783**	-
		Prezentarea/Diseminarea rezultatelor: prezenta la manifestări științifice în calitate de autor/coautor de lucrări, profesor invitat	A3.2	Congrese/conferințe/workshopuri internaționale, profesor invitat la universități/institute din străinătate		N5 = **11**	**5**
		Citări in publicații BDI [5] (se exclud autocitările)	A3.3	C1 = numărul de citări SFI = suma factorilor de impact al publicațiilor WOS in care apar citările		C = C1+ SFI =**1046,4**	**10**

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 cotată ISI cf. Ordinului de Ministru (MECTS) Nr. 4478 din 23 iunie 2011, publicat in 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 câștigați 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 minimale 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.

Se vor trece pentru fiecare criteriu (din standardele impuse) toate lucrările, cu precizarea punctajului care revine candidatului pentru fiecare lucrare și a tuturor informațiilor privind lucrările: autorii, titlul lucrării, titlul revistei/cărții, anul, volumul, numărul, pagina la care începe articolul și pagina la care se termină articolul, nr. pagini carte, editura la care a fost publicată cartea, instituția care a acordat brevetul, ISSN/ISBN etc.

Data,
09.06.2025

Semnătura,
Șef lucr. dr. ing. Ibrahim Naim RAMADAN

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	***Ibrahim RAMADAN**, Studiul Materialelor. Metode de încercare pentru determinarea caractersticilor mecanice. Studii de caz, Editura Universității Petrol-Gaze din Ploiești, Ploiești, ISBN 978-973-719-926-3, România, 2025, 138 pagini*	*138*	*N1.1=1*
2	***Ibrahim RAMADAN**, Tehnologii de recondiționare a utilajelor industriale. Conducte pentru transportul hidrocarburilor. Rezervoare pentru depozitarea produselor petroliere. Arbori utilizați în instalațiile industriale, Editura Universității Petrol-Gaze din Ploiești, Ploiești, ISBN 978-973-719-929-4, România, 2025, 116 pagini*	*116*	*N1.1=1*
	Total indicator N1.1 =		***2***

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

Nr. crt.	***Carți publicate (denumire)***	***Nr. Pag.***	***Indicatori***
1	***Ibrahim RAMADAN,** Marius BĂDICIOIU, Organe de mașini – vol. I, Editura Universității Petrol-Gaze din Ploiești, Ploiești, ISBN 978-973-719-928-7, România, 2025, 229 pagini*	*229*	*N1.2=1*
	Total indicator N1.2 =		***1***

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

Nr. crt.	***Carți publicate (denumire)***	***Nr. pag***	***Indicatori***
1	***Ibrahim RAMADAN**, Studiul Materialelor. Metode de încercare pentru determinarea caractersticilor mecanice. Studii de caz, Editura Universității Petrol-Gaze din Ploiești, Ploiești, ISBN 978-973-719-926-3, România, 2025, Platforma e-learning a Universității Petrol-Gaze din Ploiești, http://www.didfr.upg-elearning.ro*	*138*	*N1.3=1*
2	***Ibrahim RAMADAN**, Tehnologii de recondiționare a utilajelor industriale. Conducte pentru transportul hidrocarburilor. Rezervoare pentru depozitarea produselor petroliere. Arbori utilizați în instalațiile industriale, Editura Universității Petrol-Gaze din Ploiești, Ploiești, ISBN 978-973-719-929-4, România, 2025, Platforma e-learning a Universității Petrol-Gaze din Ploiești, http://www.didfr.upg-elearning.ro*	*116*	*N1.3=1*
3	***Ibrahim RAMADAN,** Marius BĂDICIOIU, Organe de mașini – vol. I, Editura Universității Petrol-Gaze din Ploiești, Ploiești, ISBN 978-973-719-928-7, România, 2025, Platforma e-learning a Universității Petrol-Gaze din Ploiești, http://www.didfr.upg-elearning.ro*	*229*	*N1.3=1*
	Total indicator N1.3 =		***3***

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

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

Nr. crt.	***Dezvoltare standuri laborator pentru activități didactice/cercetare***	***Indicatori***
1	*Petrescu M. G., Mihai S., Laudacescu E.V., Neacșa A., Diniță A., Zanfir F., Ștefan A.,* ***Ramadan I.N.****., Bularcă C., Borcea C.R., Bădoiu G.A., Infrastructură de informare și comunicare pentru îmbunătățirea proceselor decizionale și de guvernanță la nivelul universității,* - modernizare Sala A.P.10 (CNFIS-FDI-2017-0037), 2017	*N2.1=1*
2	*Neacșa A., Mihai S., Petrescu M. G., Diniță A., Laudacescu E.V., Ilie B.,* ***Ramadan I.N.****., Bularcă C., Borcea C.R., Bădoiu G.A., Spațiu multimedia cu destinație multiplă* - modernizare Sala E.D.10 (CNFIS-FDI-2019-0009), 2019	*N2.1=1*
3	*Neacșa A., Petrescu M. G., Laudacescu E.V., Diniță A.,* ***Ramadan I.N.****, Ilie B., Mihai S., Bularcă C.E., Borcea C.R., Bădoiu G.A.,* "e-VALUARE" - *Soluții moderne de evaluare și analiză pentru îmbunătățirea calității activităților universitare* - Sala E.I.10 (CNFIS-FDI-2020-0016), modernizare 2020	*N2.1=1*

4	*Ilinca, C.N., **Ramadan Ibrahim**, Ilie Bogdan, Investigarea Performanței Conductelor din FRP în Condiții de Solicitare Axială și Presiune Interioară cu Ajutorul Tensiometriei Electrce Rezistive.* Stand de laborator - constructie, 2024	*N2.1=1*
5	***Ramadan Ibrahim**, Ilinca Costin Nicolae, Tănăsoiu Ștefan, Ilie Bogdan, Studiul etanșărilor aferente îmbinărilor prin flanșe: Efectele Momentelor de Încovoiere și a Forțelor Axiale asupra Integrității Structurale.* Stand de laborator - constructie, 2023	*N2.1=1*
6	*Ilinca Costin Nicolae**,** Diniță Alin, **Ramadan Ibrahim**, Analiza Avansată a Flexibilității și Stării de Tensiune a Conductelor din Oțel: O Abordare Experimentală prin Tensiometrie Electrică Rezistivă asupra Elementelor Critice de Construcție.* Stand de laborator - constructie, 2023	*N2.1=1*
7	*Ilinca Costin Nicolae, **Ramadan Ibrahim**, Influența solicitărilor axiale asupra suporturilor de tip trunnion, prin intermediul tensometriei electrice rezistive*. Stand de laborator - constructie, 2022	*N2.1=1*
8	*Dinita Alin, Ilinca Costin Nicolae, **Ramadan Ibrahim**, Evaluarea stării de tensiune și deformații în principalele zone de joncțiune aferente vaselor sub presiune montate în poziție orizontală (analiza joncțiunilor capac-manta, racorduri manta).* Stand de laborator - modernizare, 2022	*N2.1=1*
9	*Ilinca Costin Nicolae, **Ramadan Ibrahim**, Dinita Alin, Ilie Bogdan, Analiza experimentală comparativă a tensiunilor mecanice din coturi, curbe trase și coturi realizate din segmente de țeavă sudate.* Stand de laborator - modernizare, 2021-2022	*N2.1=1*
10	*Petrescu M. G., Laudacescu E.V., **Ramadan I.N.**, Dumitru T., Stand pentru măsurarea forțelor și studiul fenomenului de uzare a dinților din componența frezelor de decopertare a straturilor asfaltice*, Stand de laborator, sala AT 6 - construcție, 2023	*N2.1=1*
11	*Petrescu M. G., Laudacescu E.V., **Ramadan I.N.**, Burlacu An., Stand pentru studiul fenomenului de uzare a palelor („zborurilor") din componența uscătoarelor tip tubular rotative, pentru amestecuri de pietriș, utilizate în industria de construcții civile, drumuri și poduri,* Stand de laborator - construcție, 2023	*N2.1=1*
12	*Petrescu M. G., Laudacescu E.V., **Ramadan I.N.**, Niță Ad., Stand pentru studiul fenomenului de uzare a elementelor de tip „sapă" din componența amestecătoarelor industriale pentru diferite sorturi de pietriș, utilizate la realizarea mixurilor asfaltice,* Stand de laborator- construcție, 2023	*N2.1=1*
13	***Ramadan I.**, Ilincă C., Neacșa A, Diniță A., Laudacescu E., Vlad R., Bulearcă C., Borcea C.R., Bădoiu G.A. Marin A., Constantinescu M., e-PRACTICĂ pentru ingineria mecanică în vederea creșterii competențelor profesionale* – modernizare Sala E III 10 (CNFIS-FDI-2023-F-0483), 2023	*N2.1=1*
14	*Baniță G., **Ramadan I.**, Mașină de gravat – stand experimental,* construcție, 2022	*N2.1=1*
15	*Ene G., **Ramadan I.**, Ionescu O., Stand de laborator cu componente realizate prin tehnologii aditive pentru tocarea și reciclarea hârtiei,* construcție, 2024	*N2.1=1*
16	*Tănăsoiu Ș, **Ramadan I.**, Coloană de stripare a apei acide*, construcție, 2024	*N2.1=1*
17	*Ilie G., **Ramadan I.**, Stand experimental pentru evaluarea degradării rulmenților,* construcție, 2023	*N2.1=1*
18	*Ștefan E., **Ramadan I.**, Stand experimental pentru determinarea unghiurilor optime de funcționare a unei transmisii cardanice,* construcție, 2022	*N2.1=1*
19	*Dobrică R., **Ramadan I.**, Rezervor sferic – stand de laborator,* recondiționare 2022	*N2.1=1*
20	*Pîrvan E., **Ramadan I.**, Stand pentru studiul degradării componentelor realizate prin printare 3D ale unui mecanism Geneva,* construcție, 2022	*N2.1=1*
	Total indicator N2.1 =	***20***

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***
	Total indicator N2.2 =		***0***

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

Nr. crt.	**Aplicație informatică educațională**	***Indicatori***
1	*Neacșa A., Petrescu M. G., Diniță A., Laudacescu E.V., Ilie B., **Ramadan I.N.**, Platformă interactivă on-line de comunicare www.e-parteneriat.ro pentru facilitarea relaționării, în timp real, între potențialii studenți, universitate și mediul de afaceri, în scopul promovării transferurilor cognitive, tehnologice și de inovații - CNFIS-FDI-2019-0009, 2019*	*N2.3=1*
2	*Neacșa A., Petrescu M. G., Laudacescu E.V., Diniță A., **Ramadan I.N.**, Ilie B., Mihai S., Bulearcă C.E., Borcea C.R., Bădoiu G.A., Software funcțional de evaluare, de către studenți, a rezultatelor și performanțelor profesionale ale personalului didactic și de cercetare din Universitatea Petrol-Gaze din Ploiești, www.ecd.upg-ploiesti.ro - CNFIS-FDI-2020-0016, 2020*	*N2.3=1*
3	*Neacșa A., Petrescu M. G., Laudacescu E.V., Diniță A., **Ramadan I.N.**, Ilie B., Mihai S., Bulearcă C.E., Borcea C.R., Bădoiu G.A., Software funcțional destinat evaluării on-line a studenților, ca activitate curentă de examinare, conform procedurilor de organizare a sesiunilor de examene de pe*	*N2.3=1*

	parcursul anului universitar la Universitatea Petrol-Gaze din Ploiești, www.estud.upg-ploiesti.ro - CNFIS-FDI-2020-0016, 2020	
4	*Neacșa A., Petrescu M. G., Laudacescu E.V., Diniță A., **Ramadan I.N.**, Ilie B., Mihai S., Bulearcă C.E., Borcea C.R., Bădoiu G.A., Software specializat PlagAware, pentru verificarea anti plagiat, a tuturor lucrărilor de finalizare a studiilor de licență, masterat, doctorat și postuniversitare și a lucrărilor științifice elaborate de cadrele didactice și personalul de cercetare la nivelul Universității Petrol-Gaze din Ploiești., www.plagaware.com - CNFIS-FDI-2020-0016, 2020*	*N2.3=1*
	Total indicator N2.3 =	***4***

Total punctaj indicator N2=N2.1+N2.2+N2.3= 20+0+4=24

A2.1 Articole și publicatii stiintifice indexate Web of Science Thomson Reuters (WOS), unde n=nr.de autori și 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	*Diniță A., **Ramadan I.**, Tănase M., Experimental and Numerical Study Regarding the Behavior of HDPE Pipes under Quasi-Static Point Loads, JOURNAL OF PIPELINE SYSTEMS ENGINEERING AND PRACTICE, Volume 14, Issue 1, **2023** article Number 04022072, DOI 10.1061/JPSEA2.PSENG-1319, ISSN 1949-1190, eISSN 1949-1204 WOS:000899335300002* ***(autor corespondent)*** *https://www.webofscience.com/wos/alldb/full-record/WOS:000899335300002*	*1,8*	*4,0*
2	***Ramadan I.**, Tănase M., Experimental Study Regarding the Mechanical Behavior of PPR Pipes, MATERIALE PLASTICE, Volume 59, Issue 2, Page 32-39, **2022** DOI 10.37358/MP.22.2.5582, ISSN 0025-5289, eISSN 2668-8220 WOS:000831634900003* ***(prim autor)*** *https://www.webofscience.com/wos/alldb/full-record/WOS:000831634900003*	*0,6*	*1,6*
3	***Ramadan I.**, Tănase M., Experimental Study Regarding the Influence of Welding Parameters on the Mechanical Behavior of High Density Polyethylene Pipes, MATERIALE PLASTICE, Volume 57, Issue 4, Page 209-215, **2020** DOI 10.37358/MP.20.4.5420, ISSN 0025-5289, eISSN 2668-8220 WOS:000617344900020* ***(prim autor)*** *https://www.webofscience.com/wos/alldb/full-record/WOS:000617344900020*	*0,6*	*1,6*
		Total indicator P1.1 =	***7,2***

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

Nr. crt.	**Denumire articol**	**Factor de Impact FI**	**Realizat P1.2 = 2·3·(0,2+FI)/n, n ≥ 4**
1	*Neacșa A., **Ramadan I.N.**, Diniță A., Iacob S.V., Ilincă C.N., Laudacescu E.V., Can Non-Phase-Transformation Heat Treatments Improve the Strength Properties of Materials?, MATERIALS, Volume 18, Issue 7, **2025** DOI10.3390/ma18071599, PubMed ID 40271768, eISSN 1996-1944 WOS:001463896200001* ***(autor corespondent)*** *https://www.webofscience.com/wos/alldb/full-record/WOS:001463896200001*	*3,1*	*3,3*
2	***Ramadan I.N.**, Laudacescu E.V., Popa M., Negoita L.I., Studies on Behaviour of in Service Tubular Material Used at Refinery Process Furnaces, REVISTA DE CHIMIE, Volume 70, Issue 4, Page 1162-1166, **2019** ISSN 0034-7752* ***(prim autor)*** *https://www.webofscience.com/wos/woscc/full-record/WOS:000469387200012*	*1,755*	*2,932*
		Total indicator P1.2 =	***6,232***

A2.1 Articole și publicații științifice indexate Web of Science Thomson Reuters (WOS), unde n=nr.de autori și FI este factorul de impact - co-autor, n ≤ 3

Nr.	**Denumire articol**	**Factor de**	**Realizat**

crt.		Impact FI	P1.3 = 0,2+FI, n ≤ 3
1	*Pătîrnac I., Rîpeanu R.G., **Ramadan I.N.**, Theoretical and Experimental Studies on the Cut Zone Generated by AWJ Process, FME TRANSACTIONS Volume 49, Issue 4, Page 997-1004, **2022** DOI 10.5937/fme2104997P, ISSN 1451-2092, eISSN 2406-128X, WOS:000734088700025* https://www.webofscience.com/wos/alldb/full-record/WOS:000734088700025	*1,2*	*1,4*
2	*Brănoiu G., **Ramadan I.N.**, Rietveld Structure Refinement of the Stilbite Crystals from Deccan Traps (India) Using X-ray Powder Diffraction Data, REVISTA DE CHIMIE, Volume 70, Issue 7, Page 2379-2384, **2019** ISSN 0034-7752, WOS:000485843500017* https://www.webofscience.com/wos/woscc/full-record/WOS:000485843500017	*1,755*	*1,955*
		Total indicator P1.3 =	***3,355***

A2.1 Articole și publicatii stiintifice indexate Web of Science Thomson Reuters (WOS), unde n=nr.de autori și 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	*Diniță A., Rîpeanu R.G., Ilincă C.N., Cursaru D., Matei D., **Ramadan I.N.**, Tănase M., Portoaca A.I., Advancements in Fiber-Reinforced Polymer Composites: A Comprehensive Analysis, POLYMERS, Volume 16, Issue 1, **2024**, PubMed ID 38201669, eISSN 2073-4360, DOI 10.3390/polym16010002, WOS:001140688300001* https://www.webofscience.com/wos/woscc/full-record/WOS:001140688300001	*4,7*	*1,837*
2	*Diniță, A., Neacșa A., Portoacă, A.I., Tănase M., Ilincă C.N., **Ramadan I.N.**, Additive Manufacturing Post-Processing Treatments, a Review with Emphasis on Mechanical Characteristics, MATERIALS, Volume: 16, Issue: 13, **2023**, eISSN 1996-1944, DOI 10.3390/ma16134610 WOS:001028524000001* https://www.webofscience.com/wos/woscc/full-record/WOS:001028524000001	*3,1*	*1,65*
3	*Niță A., Petrescu M.G., Dumitru T., Burlacu A., Tanase M., Laudacescu E., **Ramadan I.**, Experimental Research on the Wear Behavior of Materials Used in the Manufacture of Components for Cement Concrete Mixers, MATERIALS, Volume 16, Issue 6, **2023**, eISSN 1996-1944, DOI 10.3390/ma16062326. WOS:000958446500001* https://www.webofscience.com/wos/woscc/full-record/WOS:000958446500001	*3,1*	*1,65*
4	*Burlacu A., Petrescu M.G., Dumitru T., Niță A., Tănase M., Laudacescu E., **Ramadan I.**, Ilinca C., Numerical Approach Regarding the Effect of the Flight Shape on the Performance of Rotary Dryers from Asphalt Plants, PROCESSES, Volume 10, Issue 11, **2023**, DOI 10.3390/pr10112339, eISSN 2227-9717, WOS:000910793200001* https://www.webofscience.com/wos/woscc/full-record/WOS:000910793200001	*2,8*	*1,125*
5	*Zisopol D.G., Portoacă A.I., Nae I, **Ramadan I .**, A Statistical Approach of the Flexural Strength of PLA and ABS 3D Printed Parts, ENGINEERING TECHNOLOGY & APPLIED SCIENCE RESEARCH, Volume12, Issue 2, Page 8248-8252, **2022**, ISSN 2241-4487, eISSN 1792-8036, WOS:000786582200004* https://www.webofscience.com/wos/woscc/full-record/WOS:000786582200004	*0,0*	*0,15*
6	*Zisopol D.G., Nae I, Portoacă A.I., **Ramadan I .**, A Theoretical and Experimental Research on the Influence of FDM Parameters on Tensile Strength and Hardness of Parts Made of Polylactic Acid, ENGINEERING TECHNOLOGY & APPLIED SCIENCE RESEARCH, Volume 11, Issue 4, Page 7458-7463, **2021**, ISSN 2241-4487, eISSN 1792-8036, WOS:000692582600028* https://www.webofscience.com/wos/woscc/full-record/WOS:000692582600028	*0,0*	*0,15*
7	*Micu I.F., Cursaru D.L., Matei D., Manta A.M., **Ramadan I.**, Study regarding enhancement of antiwear properties of a grease, by using carbon nanomaterials based additives, DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES, Volume 16, Issue 2, Page 509-514, **2021**, ISSN 1842-3582, WOS:000669553000016* https://www.webofscience.com/wos/woscc/full-record/WOS:000669553000016	*1,0*	*0,72*
8	*Cursaru D.L., Giagkas N., Vizireanu S., Mihai S., Matei D., Bita B., Stancu C., Manta A.M., **Ramadan I.**, IMPROVEMENT OF ANTIWEAR*	*1,0*	*0,4*

	*PROPERTIES BY COATING THE STEEL SURFACES AND BY LUBRICANT ADDITIVATION, Digest Journal of Nanomaterials and Biostructures, Volume 14, Issue 4, Page 907-915, **2019**, ISSN 1842-3582, WOS:000506162500006* *https://www.webofscience.com/wos/woscc/full-record/WOS:000506162500006*		
9	*Neacșa A., Diniță A., Baranowsk P., Sybilski K., **Ramadan I.N.**, Malachowski J., Blyukher B., Experimental and Numerical Testing of Gas Pipeline Subjected to Excavator Elements Interference, Journal of Pressure Vessel Technology - Transactions of the ASME Vol. 138, Issue. 3, Numărul articolului: 031701, **2016**, ISSN: 0094-9930, WOS:000376086600017* *https://www.webofscience.com/wos/woscc/full-record/WOS:000376086600017*	*1,0*	*0,514*
10	*Cursaru D.L., Branoiu G., **Ramadan I.**, Miculescu F., Degradation of automotive materials upon exposure to sunflower biodiesel, INDUSTRIAL CROPS AND PRODUCTS, Volume 54, Page149-158, **2014**, ISSN 0926-6690, eISSN 1872-633X, DOI 10.1016/j.indcrop.2014.01.032, WOS:000336340600021* *https://www.webofscience.com/wos/woscc/full-record/WOS:000336340600021*	*5,6*	*4,35*
11	*Cursaru D.L., **Ramadan I.**, Tanasescu C., Rîpeanu R, Study of the Tribological Behavior of Different Carbonaceous Nanomaterials such as Antiwear Additives for an Environmentally Friendly Lubricant, DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES, Volume 8, Issue 2, Page 805-815, **2013**, ISSN 1842-3582, WOS:000322737500034* *https://www.webofscience.com/wos/woscc/full-record/WOS:000322737500034*	*1,0*	*0,9*
		Total indicator P1.4 =	***13,446***

Total punctaj indicator P1=P1.1+P1.2+P1.3+P1.4=7,2+6,232+3,355+13,446=30,233

A2.2 Articole și publicații științifice BDI neincluse la A2.1 - autor corespondent/prim autor

Nr. crt.	Denumire articol	*Baza de date*	Realizat N3.1 =număr
1	*Mulla A., Antonescu N.N., Ripeanu R.G., Petrescu M.G., **Ramadan I.N.**, RESEARCH ON WEAR BEHAVIOR OF ROTOR-STATOR COUPLE MATERIALS FOR SCREW/PROGRESSIVE CAVITY PUMPS, EMERG, Volume IX, Issue 2, **2023,** DOI 10.37410/EMERG.2023.2.06, ISSN 2668-7003, ISSN-L 2457-5011,* ***(autor corespondent)*** *https://www.scopus.com/record/display.uri?eid=2-s2.0-85169802713&origin=recordpage&retries=1*	**Scopus**	*1*
2	***Ramadan I.**, Tănase M., Experimental study regarding the corrosion behaviour of heat exchanger brass tubes in the presence of different aggressive environments, Applied Engineering Letters Vol. 6, No. 3, page 124-131, **2021**, DOI 10.18485/AELETTERS.2021.6.3.5, ISSN 24664677, e-ISSN: 2466-4847,* ***(prim autor)*** *https://www.scopus.com/record/display.uri?eid=2-s2.0-85118928505&origin=recordpage*	**Scopus**	*1*
3	*Zisopol D.G., Portoacă A.I., Nae I, **Ramadan I.**, A, A Comparative Analysis of the Mechanical Properties of Annealed PLA, ENGINEERING TECHNOLOGY & APPLIED SCIENCE RESEARCH, Volume 12, Issue 4, Page 8978-8981, **2022**, ISSN 2241-4487, eISSN 1792-8036, WOS:000843479700032* ***(autor corespondent)*** *https://www.webofscience.com/wos/woscc/full-record/WOS:000843479700032* *https://www.scopus.com/record/display.uri?eid=2-s2.0-85165102256&origin=recordpage*	**WOS Scopus**	*1*
		Total indicator N3.1 =	***3***

A2.2 Articole și publicatii stiintifice BDI neincluse la A2.1 - co-autor

Nr. crt.	Denumire articol	*Baza de date*	Realizat N3.2 = numar
1	*Petre C.-M., Diniță A., **Ramadan I.N.**, EXPERIMENTAL ASSESSMENT OF LOCAL WALL THINNING OF A PROCESS PIPING ELBOW, UPB Scientific Bulletin, Series D: Mechanical Engineering, Volume 85, Issue 1, Pages 135 – 148, **2023**, ISSN 1454-2358* *https://www.scopus.com/record/display.uri?eid=2-s2.0-85150615511&origin=recordpage*	**Scopus**	*1*
2	*Laudacescu E., **Ramadan I.**, Petrescu M.G., Morosanu M., EFFECT OF THE SURFACE ROUGHNESS ON THE CORROSION BEHAVIOR OF S235J2G3 CARBON STEEL,*	**WOS**	*1*

	JOURNAL OF THE BALKAN TRIBOLOGICAL ASSOCIATION, Volume 22, Issue 2A, Page 1753-1762, Special Issue SI Part 1, ***2016*** *ISSN 1310-4772, WOS:000386864800010* *https://www.webofscience.com/wos/woscc/full-record/WOS:000386864800010*		
3	*Hagianu A., Nae I., Ionescu G.C., Rîpeanu R.G., Diniță A.,* ***Ramadan I.N.****, RESEARCH AND STUDIES ON FLEXIBLE TUBING WEARING, Proceedings on Engineering Sciences, Volume 1, Issue 1, Pages 321 – 329,* ***2019*** *ISSN 26202832, DOI: 10.24874/PES01.01.041* *https://www.scopus.com/record/display.uri?eid=2-s2.0-85130470761&origin=recordpage*	**Scopus**	*1*
4	*Nae I., Zisopol D.G., Romanet M., Bogdan-Roth M.,* ***Ramadan I.****, A Study on the Use of Necuron-Type Polymer Plastics utilized for Sliding Bearing Manufacturing, Engineering, Technology and Applied Science ResearchOpen AccessVolume 15, Issue 1, Pages 19824 – 19830, February* ***2025****,* *ISSN 22414487, DOI 10.48084/etasr.9489* *https://www.scopus.com/record/display.uri?eid=2-s2.0-85217683884&origin=recordpage*	**Scopus**	*1*
5	*Manu I.-D., Petrescu M.G., Zisopol D.G.,* ***Ramadan I.N.****, Ilinca C.N., The Mechanical Behavior of High-Density Polyethylene under Short-Time Hydraulic Pressure Test, Engineering, Technology and Applied Science Research, Volume 14, Issue 3, Pages 14062 – 14068, June* ***2024****, ISSN 22414487, DOI 10.48084/etasr.7182* *https://www.scopus.com/record/display.uri?eid=2-s2.0-85196076743&origin=recordpage*	**Scopus**	*1*
		Total indicator N3.2 =	***5***

Total punctaj indicator N3=N3.1+N3.2=3+5=8

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

Nr. crt.	Denumire brevet	Derwent Primary Accession Number	Realizat P2.1 =3·(0,2+FI)/n, n ≥ 4, FI=2
		Total indicator P2.1=	***0***

A2.3 Brevete de invenție indexate OSIM

Nr. crt.	Denumire brevet	OSIM Number	Realizat P2.2 =3·(0,2+FI)/n, n ≥ 4, FI=0,5
		Total indicator P2.2=	***0***

TOTAL punctaj brevete de invenții indexate P2.1+P2.2=0+0=0
Total punctaj P1+P2=30,233+0=30,233

A2.4 Produse, tehnologii, platforme și servicii inovative (validate conform procedurilor specifice unităților de învățământ superior sau de cercetare) coordonator/prim autor, co-autor

Nr. crt.	Produse, tehnologii, platforme și servicii inovative	Indicator *N4.1(număr) sau N4.2(număr)*
1	Program pentru monitorizarea în vederea evaluării stării tehnice a serpentinelor cuptoarelor prin încercări mecanice și tehnologice bazată pe posibilitatea estimării, la fiecare interval de timp, a degradării țevilor și celorlalte elemente componente ale tubulaturilor cuptoarelor din rafinării și instalațiile petrochimice	*1*
2	Procedură pentru dimensionarea primară a țevilor serpentinelor cuptoarelor din rafinării și instalații petrochimice - PROTECUP1	*1*
3	Procedură de determinare a degradării cumulate, cu mai multe blocuri de solicitare, a țevilor serpentinelor cuptoarelor din rafinării și instalații petrochimice, procedură DFT-SC / DFT-CDC	*1*
4	Proceduri pentru proiectarea și execuția conductelor de alimentare din amonte și de transport gaze naturale	*1*
5	Stabilirea unui algoritm de evaluare a comportarii sub sarcina a conductelor din FRP	*1*
	Total punctaj indicator N4.1+N4.2=	***5***

A2.5 Monografii/cărți de specialitate, format tipărit/electronic - coordonator/prim autor N4.3 sau co-autor N4.4 (număr)

Nr. crt.	Monografii de specialitate/ carti de specialitate, format tiparit/electronic	Nr. pag.	Indicator
1	Costin Ilincă, Alin Diniță, **Ibrahim Ramadan**, Maria Tănase, *Process pipes assesment. Evaluation of process pipes subjected to internal pressure and temperature through numerical and experimental analysis*, ISBN: 978-620-5-51319-4, ISBN-10:6205513196, ISBN-13:978-6205513194, LAP LAMBERT Academic Publishing November, 2022 https://www.amazon.com/PROCESS-PIPES-ASSESSMENT-temperature-experimental/dp/6205513196	*37*	*0*
2	V. P. Sergienko, S. N. Bukharov, E. Kudina, C. M. Dusescu, **I. Ramadan**; Materials Used for the Composite Repair Systems of Transmission Pipelines - Review on Materials for Composite Repair Systems, NON- DESTRUCTIVE TESTING AND REPAIR OF PIPELINES, Book Series: Engineering Materials Pages: 169-189; Published: 2018 https://link.springer.com/book/10.1007/978-3-319-56579-8	*20*	*0*
3	P. Yukhymets, R. I. Dmytriienko, **I. Ramadan**, S. N. Bukharov, Materials Used for the Composite Repair Systems of Transmission Pipelines - Characterisation of Volumetric Surface Defects, NON-DESTRUCTIVE TESTING AND REPAIR OF PIPELINES; Book Series: Engineering Materials Pages: 227-237; Published: 2018 https://link.springer.com/book/10.1007/978-3-319-56579-8	*10*	*0*
		Total N4.3+N4.4=	***0***

Total indicator N4=N4.1+N4.2+N4.3+N4.4=1+4+0+0=5

3. Recunoaștere și impactul activității-RIA (A3)

A3.1 Atragere resurse financiare prin granturi/proiecte/contracte terți (1Euro=5 lei)

Nr. crt.	S1- Director sau responsabil partener la grant/proiect câștigat prin competiție națională sau internațională S2 - Membru în echipă la grant/proiect câștigat prin competiție națională sau internațională, proiecte/contracte terți	Valoare mii Euro	Indicatori
1	***Ramadan I.**, Ilincă C., Neacșa A, Diniță A., Laudacescu E., Vlad R., Bulearcă C., Borcea C.R., Bădoiu G.A. Marin A., Constantinescu M., e-PRACTICĂ pentru ingineria mecanică în vederea creșterii competențelor profesionale* – modernizare Sala E III 10 (CNFIS-FDI-2023-F-0483), buget 176776 RON, 2023 - director Grant	*35,355*	*S1*
2	*Dumitrescu, A., Lambrescu, I., Zecheru, Gh., Drăghici, Gh., Dumitru, Gh., Diniță, A., Neacșa A., **Ramadan, I. N.**, Tănase, M.,* Proiect PIRSES-GA-2012-318874 - ″INNOPIPES - Innovative nondestructive testing and advanced composite repair of pipelines with volumetric surface defects″. Beneficiar: Uniunea Europeană, în cadrul programului FP7-PEOPLE-2012-IRSES, International Research Staff Exchange Scheme, Marie Curie Actions, Buget: 171285 Euro/12, 2012-2016, membru în echipă, Grant	*14,273*	*S2*
3	*Neacșa A., Petrescu M. G., Laudacescu E.V., Diniță A., **Ramadan I. N.**, Ilie B., Mihai S., Bulearcă C.E., Borcea C.R., Bădoiu G.A.,* Grant CNFIS-FDI-2020-0016, "e-VALUARE" - Soluții moderne de evaluare și analiză pentru îmbunătățirea calității activităților universitare, Domeniul 5: Îmbunătățirea calității activității didactice, inclusiv a respectării deontologiei și eticii academice, Buget: 277542 lei/10, 2020 – membru în echipă, Grant	*5,55*	*S2*
4	*Neacșa A., Mihai S., Petrescu M. G., Diniță A., Laudacescu E.V., Ilie B., **Ramadan I.N.**, Bulearcă C., Borcea C.R., Bădoiu G.A.,* Grant CNFIS-FDI-2019-0009, "e-PARTENERIAT" - Soluție inovativă de analiză și evaluare pentru corelarea curriculei universitare cu cerințele pieței muncii, Domeniul 1: creșterea echității sociale, în vederea incluziunii sociale și sporirea accesului la învățământul superior, corelarea ofertei educaționale cu cererea pieței muncii (inclusiv cele privitoare la consilierea și orientarea în cariera), Buget: 169500 lei/10, 2019 – membru în echipă, Grant	*3,39*	*S2*
5	*Laudacescu E., Minescu M., **Ramadan I.N.**, CC nr. 21/2018 - Proiectare constructivă-Desene de produs și Elaborare, Modificare, Anulare și Dezvoltare Baze de Date Timken; TIMKEN ROMÂNIA SA PLOIEȘTI, 234143,5 lei/3,* contract cercetare, membru	*15,609*	*S2*
6	*Minescu M., Diniță A., Neacșa A., Laudacescu E., **Ramadan I.N.**, Ilie B., CC nr. 4281/2018- Fiberglass tubing test; OMV PETROM SA BUCUREȘTI, 75060 lei,* contract cercetare, membru	*2,502*	*S2*
7	*Diniță A., **Ramadan I.N.**, PS nr. 12063/2018 - Încercări la tracțiune pe epruvete furnizate de beneficiar; S.C. ROQUET EASTERN EUROPE S.R.L. Ariceștii Rahtivani, 1620 lei/2,* contract prestări-servicii, membru	*0,162*	*S2*
8	*Laudacescu E., Minescu M., **Ramadan I.N.**, CC nr. 52/2019 - Proiectare constructivă-Desene de produs și Elaborare, Modificare, Anulare și Dezvoltare Baze de Date Timken; TIMKEN ROMÂNIA SA PLOIEȘTI, 231360 lei/3,* contract cercetare, membru	*15,42*	*S2*
9	***Ramadan I.N.**, Diniță A., PS nr. 3106/2019- Determinare compoziție chimică oțel-țeavă;*	*0,163*	*S2*

	S.C. STEEL TESTING S.R.L. PLOIEȘTI, 1635 lei/2, contract prestări-servicii, **director**		
10	***Ramadan I.N.**, Diniță A., Rîpeanu R.G., PS nr. 9873/2019- Încercări la coroziune și teste mecanice; SC ABIWELD Câmpina, 6302,52 lei/3*, contract prestări-servicii, **director**	*0,420*	*S2*
11	*Bădicioiu M., Călțaru M., Zisopol D.G., Diniță A., **Ramadan I.N.**, PS nr. 12600/2019 - Încercări, determinări și măsurători asupra materialelor tubulare realizate din oțel sau polietilenă de înaltă densitate; S.C. FEVEL TEAM SRL PLOIEȘTI, 1588,21 lei/5,* contract prestări-servicii, membru	*0,063*	*S2*
12	***Ramadan I.N.**, Minescu M., CC nr. 14149/2019 - Proiectare constructivă-Desene de produs cu Elaborarea, Modificarea, Anularea și Dezvoltarea Bazelor de Date Timken; TIMKEN ROMÂNIA SA, 113181,50 lei/2,* contract cercetare, **director**	*11,318*	*S2*
13	***Ramadan I.N.**, Minescu M., CC nr. 223/2021 - Proiectare constructivă-Desene de produs cu Elaborarea, Modificarea, Anularea și Dezvoltarea Bazelor de Date Timken; TIMKEN ROMÂNIA SA, 103974 lei/2,* contract cercetare, **director**	*10,397*	*S2*
14	***Ramadan I.N.**, Diniță A., Ilie B., CC nr. 851/2021- Analysis of Curing Oven Conveyor Bolts/Analiza șuruburilor conveiorului de la instalația Curing Oven; SC AXON SRL Ploiești, 12871 lei/3,* contract cercetare, **director**	*0,858*	*S2*
15	***Ramadan I.N.**, Diniță A., Ilie B., PS 879/2021- Examinarea de eșantioane și epruvete pentru analize și încercări în vederea evaluării calitative ale unor îmbinări sudate; HABAU PPS PIPELINE SYSTEM S.R.L. Ploiești, 5308,85/3,* contract prestări-servicii, **director**	*0,353*	*S2*
16	***Ramadan I.N.**, PS nr. 4568/2021- Examinarea de eșantioane și epruvete pentru analize și încercări în vederea evaluării unor materiale metalice; INSPET SA Ploiești, 217361,12 lei,* contract prestări-servicii, **director**	*43,472*	*S2*
17	*Ciobanu P., Brănoiu G., Diniță A., Mihai S., Ciocîrdel M., **Ramadan I.**, Stoica M.E., PS nr. 9916/2021- Determinari fizico-mecanice si analize chimice pe probe de carota extrase din sondele 13E si 14E; S.C. TACROM DRILLING S.R.L.PLOIEȘTI, 54400 lei/7,* contract prestări-servicii, membru	*1,554*	*S2*
18	***Ramadan I.N.**, Diniță A., Laudacescu E., PS 10390/2021- Examinarea de eșantioane și epruvete pentru analize și încercări mecanice distructive; S.C. ROQUET EASTERN EUROPE S.R.L. Ariceștii Rahtivani, 3955,12 lei/3,* contract prestări-servicii, **director**	*0,236*	*S2*
19	***Ramadan I.N.**, Minescu M., Portoacă A., CC nr. 301/2022 - Proiectare constructivă - Desene de produs cu Elaborarea, Modificarea, Anularea și Dezvoltarea Bazelor de Date Timken; TIMKEN ROMÂNIA S.A, 168606 lei/3,* contract cercetare, **director**	*11,240*	*S2*
20	***Ramadan I.N.**, Diniță A., PS nr. 1160/2022 - Examinarea de eșantioane și epruvete pentru analize și încercări mecanice distructive;MONTUBING S.R.L. PLOIEȘTI, 2875,37 lei/2,* contract prestări-servicii, **director**	*0,287*	*S2*
21	*Rîpeanu R.G., Diniță A., Pătîrnac I., **Ramadan I.N.**, CC nr. 1165/2022 -Analize numerice și experimentale privind creșterea durabilității supapelor de siguranță utilizate în industrie; TERMOKLIMA SRL BUZĂU, 40000 lei/4,* contract cercetare, membru	*2*	*S2*
22	***Ramadan I.N.**, Minescu M., Portoacă A., CC nr. 14468/2022 - Proiectare constructivă - Desene de produs cu Elaborarea, Modificarea, Anularea și Dezvoltarea Bazelor de Date Timken; TIMKEN ROMÂNIA S.A, 145464 lei/3,* contract cercetare, **director**	*9,697*	*S2*
23	***Ramadan I.N.**, PS nr. 15544/2022- Examinarea unor eșantioane și epruvete pentru analize și încercări mecanice; S.C. DOSCO PETROSERVICES ROMÂNIA S.R.L. București, 2226,40 lei,* contract prestări-servicii, **director**	*0,445*	*S2*
24	*Eparu C.N., Avram L., Diniță A., Neacșa A., Panaitescu C., Ghețiu V.I., Doukeh R., Prundurel A.P., Ramadan I., Stoica D., CC nr. 7901/2023 - Analiza materialelor utilizate și a gazelor arse din cadrul proiectului pilot ROHYD; SNTGN TRANSGAZ SA MEDIAȘ, 138000 lei/10,* contract cercetare, membru	*2,76*	*S2*
25	***Ramadan I.N.**, Diniță A., PS nr. 8679/2023 - Studii pentru determinarea comportării la sudură a unoreșantioane metalice de tip tubular, S.C. ROMINSTA S.R.L. Cristești, Tg. Mureș, 20940,17 lei/2,* contract prestări-servicii, **director**	*2,094*	*S2*
26	***Ramadan I.N.**, Rîpeanu R.G., PS nr. 8795/2023- Analiza cedării rulmentului SL04160-D-PP de la rola geamblacului de la instalația de foraj HH 100 tone; S.C. FORAJ SONDE S.A. CRAIOVA, 7380 lei/2,* contract prestări-servicii, **director**	*0,738*	*S2*
27	***Ramadan I.N.**, Diniță A., Mihai S., PS nr. 9585/2023- Analiza țevilor din fasciculul tubular al unui schimbător de căldură, S.C. CONFIND S.R.L. CÂMPINA, 4000 lei/3,* contract prestări-servicii, **director**	*0,266*	*S2*
28	*Diniță A., Rîpeanu R.G., Cursaru D., Ilincă C., **Ramadan I.N.**, Tănase M., Matei D., Portoacă A., GO-GICS nr. 11029/2023- Creșterea durabilității conductelor tehnologice prin utilizarea rășinilor epoxidice armate (ERC); UPG PLOIEȘTI, 40000 lei/8,* grant intern cercetare, membru	*1*	*S2*
29	***Ramadan I.N.**, Diniță A., Mihai S., PS nr. 25411/2023- Analiza materialului de bază și a îmbinării sudate la o țeavă din oțel cu DN 400, S.C. P.M.T. HAAG S.R.L. BRAȘOV, 6000 lei/3,* contract prestări-servicii, **director**	*0,4*	*S2*
30	***Ramadan I.N.**, Minescu M., Ilie B., Portoacă A., CC nr. 27437/2023- Proiectare constructivă - Desene de produs cu Elaborarea, Modificarea, Anularea și Dezvoltarea Bazelor de Date Timken; TIMKEN ROMÂNIA S.A, 151269 lei/4,* contract cercetare, **director**	*7,563*	*S2*
31	***Ramadan I.N.**, PS nr. 2976/2024- Determinarea principalelor caracteristici mecanice ale unor probe din oțel; TECHNO MONTAJ SRL Brașov, 2400lei,* contract prestări-servicii, **director**	*0,48*	*S2*

32	*Tănase M., Rîpeanu R.G., Petrescu M.G.,* ***Ramadan I.N.****, Ilincă Costin, PS nr. 13028/2024- Ingineria coroziunii și protecția contra coroziunii conductelor; SNTGN TRANSGAZ SA MEDIAȘ, 38000 lei/5,* contract prestări-servicii, membru	*1,52*	*S2*
33	***Ramadan I.N.****, Diniță A., PS nr. 16442/2024- Testare material tubular din otel si polietilena PEHD100 SDR11 gaz; ENGIE ROMANIA SA Bucuresti; DISTRIGAZ SUD RETELE SRL Bucuresti, 12607,88 lei/2,* contract prestări-servicii, **director**	*1,260*	*S2*
34	***Ramadan I.N.****, Diniță A., PS nr. 17557/2024- Testare probe de sudură; REPEDE PRESSURE CONTROL S.R.L., 4389,89 lei/2,* contract prestări-servicii, **director**	*0,439*	*S2*
35	***Ramadan I.N.****, PS nr. 24861/2024- Examinarea tehnică a eșantioanelor și epruvetelor prin încercări mecanice distructive; SC DOSCO PETROSERVICES ROMÂNIA SRL București, 1094,41 lei,* contract prestări-servicii, **director**	*0,218*	*S2*
36	***Ramadan I.N.****, Diniță A., Ilie B., PS nr. 28068/2024- Examinare încercări distructive; SC SOURCE INSTAL SRL, BĂICOI, 13885,55 lei/3,* contract prestări-servicii, **director**	*0,925*	*S2*
37	***Ramadan I.N.****, Diniță A., PS nr. 30416/2024- Determinarea Caracteristicilor de Material ale unor Probe prin Încercări și Analize; S.C. FLEXON-ALL S.R.L. Ploiești, 3184,60 lei/2,*	*0,318*	*S2*
38	***Ramadan I.N.****, Minescu M., Ilie B., contract nr. 30891/2024- Proiectare Constructivă- Desene de Produs cu Elaborarea, Modificarea, Anularea şi Dezvoltarea bazelor de date TIMKEN; TIMKEN ROMÂNIA SA Ploiești, 20895 lei/3,* **director**	*1,393*	*S2*
	Total punctaj S1+S2=35,355+170,783=		***206,138***

A3.2 Prezentarea/Diseminarea rezultatelor: prezența la manifestări științifice în calitate de autor/co-autor de lucrări, profesor invitat

Nr. Crt.	***Denumire articol și conferinta la care a fost prezentat***	***Indicator N5 (număr)***
1	***Ibrahim Ramadan****, Overview of new technologies in oil and gas industry, 13th Junior ResearchersConference "European and National Dimension in Research", section B2 Technology, Machine-building, Polotsk State University, May 17-21, 2021, Belarus*	1
2	*A Niță, E Laudacescu, I N Ramadan, M G Petrescu, An Example for Determining the Physical Parameters Used in DEM Modelling for the Interaction Process between Aggregates and Working Equipment, THE 10th INTERNATIONAL CONFERENCE ON ADVANCED CONCEPTS IN MECHANICAL ENGINEERING - ACME2022, JUNE 9 – 10, 2022 IAŞI, ROMANIA*	1
3	*Costin Ilincă, Șerban Vasilescu,* ***Ibrahim Ramadan****, Maria Tănase, Analysis of stress and strain states using the finite element method for the lifting beam device, 8th International Mardin Artuklu Scientific Researches Conference June 04-06, 2022, Mardin, Turkey*	1
4	***Ramadan Ibrahim Naim****, Ilincă Costin, Tănase Maria, Studies regarding the behavior of composite repair sleeves on steel pipes, The International Asian Congress on Contemporary Sciences, Mardin Artuklu Scientific Researches Conference May 27-29, 2022, Van, Turkey*	1
5	*Iulian Patirnac, Razvan George Ripeanu,* ***Ibrahim Naim Ramadan****, Theoretical and experimental studies on the cut zone generated by AWJ process, 10th International Conference on Tribology BALKANTRIB '20, May 20 – 22, 2021, Belgrade, Serbia,*	1
6	*Maria Tănase,* ***Ibrahim Ramadan****, Experimental study regarding the corrosion behaviour of heat exchanger copper tubes in the presence of different aggressive environments, 10th International Conference on Tribology BALKANTRIB '20, May 20 – 22, 2021, Belgrade, Serbia,*	1
7	*Alexandra-Ileana Portoaca, Ion Nae, Dragos Gabriel Zisopol and* ***Ibrahim Ramadan****, A theoretical-experimental research on the influence of FFF parameters on the tensile properties of samples made of ABS", IManEE 2021 International Conference, 21st – 23rd of October, 2021*	1
8	*Andrei BURLACU, Marius Gabriel PETRESCU, Răzvan George RÎPEANU, Teodor DUMITRU, Eugen Victor LAUDACESCU1,* ***Ibrahim Naim RAMADAN****, Adrian NIȚĂ, Experimental Investigations on Wear Phenomena Specific to Rotary Dryer Flights (Blades), SERBIATRIB '23 18th International Conference on Tribology, 17 – 19 May 2023, Kragujevac, Serbia*	1
9	***Ramadan, I.N.****, Assessment of Technical Condition of Furnace Tubes from Refineries and Petrochemical Plants, Topical Issues of Rational Use of Natural Resources, 22-24 apr. 2015, Sankt-Petersburg, Rusia*	1
10	*A. Hagianu, I. Nae, G. C. Ionescu, R. G. Ripeanu, A. Dinita,* ***I. N. Ramadan****, Research And Studies On Flexible Tubing Wearing, SERBIATRIB '19, 16th International Conference on Tribology, 15 – 17 May 2019, Kragujevac, Serbia*	1
11	***Ramadan, I.N.****, Procedures For Assessing The Cumulative Damage Andevaluation Of The Remaining Life Of Steel Furnaces Tubes Operating In Oil Refineries, Tarapov's readings, 2013, Harkov, Ukraina*	1
	Total indicator N5=	***11***

A3.3 Citări în publicații BDI (se exclud autocitările) - articole ISI+BDI (Scopus)

Nr. crt.	***Lucrarea citată[2]***	***Lucrarea care citează[2]***	***Adresa web a lucrării care citează[3] și FI***
1	*Diniță, A., Neacșa A., Portoacă, A.I., Tănase M., Ilincă C.N.,* ***Ramadan I.N.****,*	1.1. Optimization of 3D Printing Parameters for Enhanced Surface Quality and Wear Resistance	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001226921200006 4,7*

	Additive Manufacturing Post-Processing Treatments, a Review with Emphasis on Mechanical Characteristics, MATERIALS, Volume: 16, Issue: 13, ***2023****, DOI 10.3390/ma16134610, eISSN 1996-1944, WOS:001028524000001*	1.2. The Mechanical, Thermal, and Biological Properties of Materials Intended for Dental Implants: A Comparison of Three Types of Poly(aryl-ether-ketones) (PEEK and PEKK)	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001226921200006* *4,7*
		1.3. Application of Artificial Intelligence for Surface Roughness Prediction of Additively Manufactured Components	*https://www.webofscience.com/wos/wosc c/full-record/WOS:001226921200006* *3,1*
		1.4. Addressing the strength-ductility trade-off in a thermomechanical-processed high entropy alloy	*https://www.webofscience.com/wos/wosc c/full-record/WOS:001082338100001* *5,8*
		1.5. Improving the Impact Resistance through Annealing in PLA 3D Printed Parts	*https://www.webofscience.com/wos/wosc c/full-record/WOS:001106870500001* *0,0*
		1.6. Natural Fiber Composite Filaments for Additive Manufacturing: A Comprehensive Review	*https://www.webofscience.com/wos/wosc c/full-record/WOS:001116658600001* *3,3*
		1.7. Dilation Characteristics of 3D PBF-LB/M AlSi10Mg Alloy	*https://www.webofscience.com/wos/wosc c/full-record/WOS:001137837400001* *2,6*
		1.8. Post-Treatment and Hybrid Techniques for Prolonging the Service Life of Fused Deposition Modeling Printed Automotive Parts: A Wear Strength Perspective	*https://www.webofscience.com/wos/wosc c/full-record/WOS:001229236100005* *0,6*
		1.9. The Influence of Injection Parameters on the Thermomechanical Properties of a Polyamide Product	*https://www.webofscience.com/wos/wosc c/full-record/WOS:001267307500008* *0,0*
		1.10. Supplementary treatment of FDM printed parts. Review	*https://www.webofscience.com/wos/wosc c/full-record/WOS:001324940000001* *7,0*
		1.11. The Tensile, Thermal and Flame-Retardant Properties of Polyetherimide and Polyetherketoneketone Processed via Fused Filament Fabrication	*https://www.webofscience.com/wos/wosc c/full-record/WOS:001160464900001* *4,7*
		1.12. Tailoring Multiple Strengthening Phases to Achieve Superior High-Temperature Strength in Cast Mg-RE-Ag Alloys	*https://www.webofscience.com/wos/wosc c/full-record/WOS:001169966800001* *3,1*
		1.13. Vat Photopolymerization 3D Printing in Dentistry: A Comprehensive Review of Actual Popular Technologies	*https://www.webofscience.com/wos/wosc c/full-record/WOS:001172049600001* *3,1*
		1.14. Post-Production Finishing Processes Utilized in 3D Printing Technologies	*https://www.webofscience.com/wos/wosc c/full-record/WOS:001192733800001* *2,8*
		1.15. A characterization study on toughening vinyl ester composites using annealed biosilica from fox tail millet husk and nettle fiber	*https://www.webofscience.com/wos/wosc c/full-record/WOS:001174892900001* *3,5*
		1.16. Wear - and UV - resistant polycarbonate-based composite films reinforced by a novel inorganic-organic hybrid filler	*https://www.webofscience.com/wos/wosc c/full-record/WOS:001193130900001* *2,7*
		1.17. A Study on the Influence of FDM Parameters on the Compressive Behavior of PET-G Parts	*https://www.webofscience.com/wos/wosc c/full-record/WOS:001196238800040* *0,0*
		1.18. Surface modification of Ti6Al4V alloy via advanced coatings: Mechanical, tribological, corrosion, wetting, and biocompatibility studies	*https://www.webofscience.com/wos/wosc c/full-record/WOS:001224881200001* *5,8*
		1.19. Analysis of the machining process of short carbon fiber-reinforced polyamide additive manufactured parts	*https://www.webofscience.com/wos/wosc c/full-record/WOS:001289077600001* *6,2*
		1.20. Fretting wear behavior on LPBF processed AlSi10Mg alloy for different heat treatment conditions	*https://www.webofscience.com/wos/wosc c/full-record/WOS:001224527100004* *6,2*
		1.21. Liquid-Phase Adsorption of Dimethyl Methylphosphonate on Poly(ether imide) and its Metal Hydroxide-Integrated Composites	*https://www.webofscience.com/wos/wosc c/full-record/WOS:001227725500001* *3,8*
		1.22. Warpage detection in 3D printing of polymer parts: a deep learning approach	*https://www.webofscience.com/wos/wosc c/full-record/WOS:001220449000002* *5,9*
		1.23. Advancements in micromachining of additive manufactured materials: a comprehensive review	*https://www.webofscience.com/wos/wosc c/full-record/WOS:001242917600001* *4,1*
		8.24. Novel insights into conventional machining of metal additive manufactured components: a comprehensive review	*https://www.webofscience.com/wos/wosc c/full-record/WOS:001281591400001* *2,7*

		8.25. Use of Machine Learning to Improve Additive Manufacturing Processes	https://www.webofscience.com/wos/woscc/full-record/WOS:001286958100001 2,5
		8.26. Machine learning approaches for predicting mechanical properties in additive manufactured lattice structures	https://www.webofscience.com/wos/woscc/full-record/WOS:001290447000001 3,7
		1.27. Advancements in Custom 3D-Printed Titanium Interbody Spinal Fusion Cages and Their Relevance in Personalized Spine Care	https://www.webofscience.com/wos/woscc/full-record/WOS:001307342200001 3,0
		1.28. Holistic Framework for the Implementation and Validation of PBF-LB/M with Risk Management for Individual Products through Predictive Process Stability	https://www.webofscience.com/wos/woscc/full-record/WOS:001305565200001 3,3
		1.29. Potentials of Additive Manufacturing for Cutting Tools: A Review of Scientific and Industrial Applications	https://www.webofscience.com/wos/woscc/full-record/WOS:001323302000001 2,6
		1.30. Finite element analysis and in vitro tests on endurance life and durability of composite bone substitutes	https://www.webofscience.com/wos/woscc/full-record/WOS:001325247700001 4,3
		1.31. Virtual warehousing through digitalized inventory and on-demand manufacturing: A case study	https://www.webofscience.com/wos/woscc/full-record/WOS:001314340600001 8,2
		1.32. Influence of bed temperature on the final properties of PLA parts manufactured by material extrusion	https://www.webofscience.com/wos/woscc/full-record/WOS:001334290600001 3,4
		1.33. Factorial-experimental investigation of LPBF regimes for VZh159 nickel superalloy grain structure and structural strength optimization	https://www.webofscience.com/wos/woscc/full-record/WOS:001347160100001 2,6
		1.34. A review on process prerequisites and biomedical applications of additively manufactured zirconia	https://www.webofscience.com/wos/woscc/full-record/WOS:001343728100001 5,1
		1.35. Biomaterials for flexible pressure sensors: innovations and advancements	https://www.webofscience.com/wos/woscc/full-record/WOS:001343728100001 5,7
		1.36. Assessments and investigation of process parameter impacts on surface roughness, microstructure, tensile strength, and porosity of 3D printed polyetherether ketone (PEEK) materials	https://www.webofscience.com/wos/woscc/full-record/WOS:001358763700001 6,0
		1.37. Evaluating the impact of post-processing on the wear and friction properties of polyamide 6 carbon fiber composites produced by fused deposition modeling	https://www.webofscience.com/wos/woscc/full-record/WOS:001357927300001 2,3
		1.38. Hybrid Intelligence approach to study post-processing impact on the mechanical performance of notched additively manufactured AlSi10Mg	https://www.webofscience.com/wos/woscc/full-record/WOS:001407724700001 7,6
		1.39. Integrating additive and subtractive manufacturing to optimize surface quality of MEX parts	https://www.webofscience.com/wos/woscc/full-record/WOS:001411554700001 6,0
		1.40 Can the Dimensional Optimisation of 3D FDM-Manufactured Parts Be a Solution for a Correct Design?	https://www.webofscience.com/wos/woscc/full-record/WOS:001404402700001 3,1
		1.41. 3D-printed microfluidic cell culture devices and hydrogel integration: Trends, challenges, and solutions	https://www.webofscience.com/wos/woscc/full-record/WOS:001472572500003 6,8
		1.42. Recycling potential of 3D printed support waste as eco-friendly polymeric composites	https://www.webofscience.com/wos/woscc/full-record/WOS:001389274100001 1,1
		1.43. Comprehensive review of polyetheretherketone use in dentistry	https://www.webofscience.com/wos/woscc/full-record/WOS:001390363800001 3,2
		1.44. Optimized surface engineering of Ti-6Al-4V: Comprehensive coating evaluation for biomedical applications	https://www.webofscience.com/wos/woscc/full-record/WOS:001411181000001 5,7
		1.45. Development and post-process heat treatment of dissimilar steel structure via twin-wire arc additive manufacturing using heterogeneous functionally graded deposition strategy	https://www.webofscience.com/wos/woscc/full-record/WOS:001404881300001 3,9
		1.46. Optimization of printing parameters for polyethylene terephthalate glycol thin honeycomb structures with shape-memory behaviors	https://www.webofscience.com/wos/woscc/full-record/WOS:001409457900001 2,9
		1.47.	https://www.webofscience.com/wos/woscc/full-record/WOS:001379859800001 2,7

		In-process evaluation of layer defects and surface topography on material extruded parts through a novel point cloud functional analysis	
		1.48. Additively Manufactured Inconel 718 Low-Cycle Fatigue Performance	https://www.webofscience.com/wos/woscc/full-record/WOS:001418455700001 2,5
		1.49. 3D Imaging and Additive Manufacturing for Original Artifact Preservation Purposes: A Case Study from the Archaeological Museum of Alexandroupolis	https://www.webofscience.com/wos/woscc/full-record/WOS:001429602700001 2,0
		1.50. Effect of Lattice Structures in the Stress-Strain State for an Impeller Turbine	https://www.webofscience.com/wos/woscc/full-record/WOS:001431624400001 0,0
		1.51. Advancing sustainability in Electron and laser beam powder Bed Fusion technologies via Innovation: Insights from patent analysis	https://www.webofscience.com/wos/woscc/full-record/WOS:001435016800001 6,7
		1.52. Experimental investigation of influence of post-processing variables on mechanical strength and surface quality of 3D printed carbon fiber reinforced polylactic acid samples	https://www.webofscience.com/wos/woscc/full-record/WOS:001434274100001 4,4
		1.53. A Bibliometric Review of 3D-Printed Functionally Graded Materials, Focusing on Mechanical Properties	https://www.webofscience.com/wos/woscc/full-record/WOS:001452690300001 2,1
		1.54. A study of multi-dimensional defect size estimation of metal materials using LIBS spectral characterization	https://www.webofscience.com/wos/woscc/full-record/WOS:001450174200001 3,5
		1.55. Multi-criteria decision-making for optimizing crashworthiness of 3D-printed PETG-CF lightweight structures: Influence of printing parameters	https://www.webofscience.com/wos/woscc/full-record/WOS:001450556200001 4,8
		1.56. Corrosion behavior of steel parts repaired using additive manufacturing: Overview and research perspective	https://www.webofscience.com/wos/woscc/full-record/WOS:001467698500001 7,6
		1.57. A review on heat treatment of laser additive manufactured medium entropy alloys	https://www.webofscience.com/wos/woscc/full-record/WOS:001463475500001 2,9
		1.58. Effect of thermal history on the fracture and fatigue behaviors of semi-crystalline polymers prepared via material extrusion additive manufacturing	https://www.webofscience.com/wos/woscc/full-record/WOS:001494043400001 7,6
		1.59. Effect of UV post-curing on the mechanical properties of photopolymer resin in stereo-lithographic 3D printing	https://www.webofscience.com/wos/woscc/full-record/WOS:001481513400001 2,7
		∑ FI articol 1= 228,9 **C1 articol 1= 59** **C articol 1= 287,9**	
2	*Cursaru D.L.; Branoiu G., **Ramadan I.**, Miculescu F., Degradation of automotive materials upon exposure to sunflower biodiesel, INDUSTRIAL CROPS AND PRODUCTS, Volume 54, Page149-158, **2014** DOI 10.1016/j.indcrop.2014.01.032, ISSN 0926-6690 eISSN 1872-633X, WOS:000336340600021*	2.1. The effect of Jatropha oil biodiesel on the corrosion rates of aluminium and mild carbon steel	https://www.webofscience.com/wos/woscc/full-record/WOS:000215136100007 2,1
		2.2. Oxidative degradation and corrosiveness of biodiesel	https://www.webofscience.com/wos/woscc/full-record/WOS:000343102700004 2,7
		2.3. Corrosion Behaviour of Carbon Steel in Biodiesel-Diesel-Ethanol (BDE) Fuel Blend	https://www.webofscience.com/wos/woscc/full-record/WOS:000372507600010 0,0
		2.4. Corrosion behavior of ASTM 1045 mild steel in palm biodiesel	https://www.webofscience.com/wos/woscc/full-record/WOS:000355359900043 9,0
		2.5. Retardation of oxidation and material degradation in biodiesel: a review	https://www.webofscience.com/wos/woscc/full-record/WOS:000379351600044 3,9
		2.6. Impact of metals on corrosive behavior of biodiesel-diesel-ethanol (BDE) alternative fuel	https://www.webofscience.com/wos/woscc/full-record/WOS:000375816700001 9,0
		2.7. Inhibition study of additives towards the corrosion of ferrous metal in palm biodiesel	https://www.webofscience.com/wos/woscc/full-record/WOS:000379632600026 9,9
		2.8. Experimental Studies on Burning Characteristics of Methanol, Diesel, and Sunflower Biodiesel Fuels	https://www.webofscience.com/wos/woscc/full-record/WOS:000393682900002 1,7
		2.9. Tri-fuel (diesel-biodiesel-ethanol) emulsion characterization, stability and the corrosion effect	https://www.webofscience.com/wos/woscc/full-record/WOS:000419543400082 0,0
		2.10. Oxidative stability of biodiesel: Causes, effects and prevention	https://www.webofscience.com/wos/woscc/full-record/WOS:000390430500035 6,7

		2.11. Effect of different sulphur-based crosslink networks on the nitrile rubber resistance to biodiesel	https://www.webofscience.com/wos/wos/full-record/WOS:000390432000013 6,7
		2.12. Evaluation of different aging procedures on biodiesel thermal degradation process	https://www.webofscience.com/wos/wos/full-record/WOS:000411160300057 3,0
		2.13. A Review on the Effect of Alternative Fuels on the Friction and Wear of Internal Combustion Engines	https://www.webofscience.com/wos/wos/full-record/WOS:000926154000004 0,0
		2.14. Comparative corrosion characteristics of automotive materials in Jatropha biodiesel	https://www.webofscience.com/wos/wos/full-record/WOS:000432244400004 3,1
		2.15. Resistance to corrosion of Al-Cu alloy in biodiesel Resistencia a la corrosión de aleaciones Al-Cu en biodiesel	https://www.webofscience.com/wos/wos/full-record/WOS:000439159500062 0,5
		2.16. Feasibility Analysis of Biodegradable Automotive Lubricant: An Evaluation of Material-Lubricant Compatibility in a Corrosion Perspective	https://www.webofscience.com/wos/wos/full-record/WOS:000425983400027 2,6
		2.17. Impact of moisture on the corrosion behavior of copper and mild carbon steel in corn biodiesel	https://www.webofscience.com/wos/wos/full-record/WOS:000449954400004 2,7
		2.18. Biodiesel induced corrosion and degradation: Review	https://www.webofscience.com/wos/wos/full-record/WOS:000459408300010 0,4
		2.19. Comparative evaluation of corrosion behavior of Aegle Marmelos Correa diesel, biodiesel, and their blends on aluminum and mild steel metals	https://www.webofscience.com/wos/wos/full-record/WOS:000533779700018 0,0
		2.20. A review of the effect of biodiesel on the corrosion behavior of metals/alloys in diesel engines	https://www.webofscience.com/wos/wos/full-record/WOS:000474168000001 2,3
		2.21. Corrosion of The Metal Parts of Diesel Engines In Biodiesel-Based Fuels	https://www.webofscience.com/wos/wos/full-record/WOS:000471276600002 2,4
		2.22. Corrosive character of Moringa oleifera Lam biodiesel exposed to carbon steel under simulated storage conditions	https://www.webofscience.com/wos/wos/full-record/WOS:000466249700107 9,0
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		2.24. Properties and corrosion behaviors of mild steel in biodiesel-diesel blends	https://www.webofscience.com/wos/wos/full-record/WOS:000487153500001 2,3
		2.25. Overview of the interactions between automotive materials and biodiesel obtained from different feedstocks	https://www.webofscience.com/wos/wos/full-record/WOS:000487576700015 7,2
		2.26. Application of biodiesel for 12-cylinder, supercharged military combat vehicle	https://www.webofscience.com/wos/wos/full-record/WOS:000515243200001 0,0
		2.27. Synthesis of New Phenolic-Schiff Base and Its Application as Antioxidant in Soybean Biodiesel and Corrosion Inhibitor in AISI 1020 Carbon Steel	https://www.webofscience.com/wos/wos/full-record/WOS:000511995800014 1,3
		2.28. Effects of palm biodiesel and blends of biodiesel with organic acids on metals	https://www.webofscience.com/wos/wos/full-record/WOS:000537749900006 3,4
		2.29. Corrosion behavior of an Al-Si casting and a sintered Al/Si composite immersed into biodiesel and blends	https://www.webofscience.com/wos/wos/full-record/WOS:000521512700003 7,2
		2.30. The examination, evaluation and comparison of corrosion effect on different metal surface by various crops based biodiesel	https://www.webofscience.com/wos/wos/full-record/WOS:000682950900001 1,8
		2.31. BIODIESEL COMPOSITION ASPECTS AND THEIR RELATION TO ALUMINUM ALLOY CORROSION	https://www.webofscience.com/wos/wos/full-record/WOS:000592199000005 0,1
		2.32. Effect of Natural Substances as Antioxidants and as Corrosion Inhibitors of Carbon Steel on Soybean Biodiesel	https://www.webofscience.com/wos/wos/full-record/WOS:000684864700002 1,5
		2.33. Current Research and Development Status of Corrosion Behavior of Automotive Materials in Biofuels	https://www.webofscience.com/wos/wos/full-record/WOS:000628165900001 3,0
		2.34.	https://www.webofscience.com/wos/wos/full-record/WOS:000647655800014

		Corrosion behavior of carbon steel, stainless steel, aluminum and copper upon exposure to biodiesel blended with petrodiesel	*9,0*
		2.35. Fuel Injection Responses and Particulate Emissions of a CRDI Engine Fueled with Cocos nucifera Biodiesel	*https://www.webofscience.com/wos/wos cc/full-record/WOS:000650901900001* *3,3*
		2.36. Effect of The Free Water Content in Biodiesel On the Corrosion of Copper and AISI 1045 Steel: An Approach Using the Biodiesel/KOH-Solution Interface	*https://www.webofscience.com/wos/wos cc/full-record/WOS:000717085100004* *1,2*
		2.37. Degradation of engine components upon exposure to chemically modified vegetable oil - Based automotive lubricant	*https://www.webofscience.com/wos/wos cc/full-record/WOS:000730639100052* *3,2*
		2.38. Experimental Study of the Corrosiveness of Ternary Blends of Biodiesel Fuel	*https://www.webofscience.com/wos/wos cc/full-record/WOS:000726138300001* *2,6*
		2.39. Biofuels-related materials deterioration in biorefineries, transportation and internal combustion engines: a technical review	*https://www.webofscience.com/wos/wos cc/full-record/WOS:000726459900001* *1,5*
		2.40. Synthesis of methyl esters from palm oil, candlenut oil, and sunflower seed oil and their corrosion phenomena on iron nail	*https://www.webofscience.com/wos/wos cc/full-record/WOS:000858584700001* *1,4*
		2.41. Optimization of biodiesel produced from waste sunflower cooking oil over bi-functional catalyst	*https://www.webofscience.com/wos/wos cc/full-record/WOS:000782122600004* *6,0*
		2.42. Investigation of the corrosion of stainless steel, copper and aluminium in sunflower biodiesel solution: Experimental and theoretical approaches	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001223648900001* *0,0*
		2.43. Effect of corrosion rates of preheated Schinzochytrium sp. microalgae biodiesel on metallic components of a diesel engine	*https://www.webofscience.com/wos/wos cc/full-record/WOS:000752138700003* *6,2*
		2.44. Corrosion behavior of copper, aluminium, and stainless steel 316L in chicken fat oil based biodiesel-diesel blend	*https://www.webofscience.com/wos/wos cc/full-record/WOS:000950178800001* *7,1*
		2.45. SrO-MnO/Ceramic: A Novel Bifunctional Catalyst for Biodiesel production via Simultaneous Transesterification-Esterification of Waste Frying Oil	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001039615800001* *1,9*
		2.46. Comparative evaluation of corrosion behaviour of carbon steel (C1020) in different biodiesels: Synthesis, characterization and electrochemical investigations	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001145893600001* *6,0*
		2.47. Corrosion Induced on Aluminum by Biodiesel Components in Non-Oxygen Environments	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001210080600001* *3,1*
		2.48. Effect of neem oil biodiesel on the surface and structural integrity of carbon steel alloy: Chromatographic, spectroscopic, and morphological investigations	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001241602900001s* *7,7*
		2.49. Progress in Corrosion Research on Alternative Liquid Fuels	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001255800400001* *3,0*
		2.50 Assessing the effect of different biodiesels on corrosion of nickel alloy	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001317562700001* *7,1*
		∑ FI articol 2= 184,8 **C1 articol 2= 50** **C articol 2= 234,8**	
3	*Zisopol D.G., Nae I, Portoacă A.I.,* ***Ramadan I .****, A Theoretical and Experimental Research on the Influence of FDM Parameters on Tensile Strength and Hardness of Parts Made of Polylactic Acid, ENGINEERING TECHNOLOGY & APPLIED SCIENCE RESEARCH, Volume 11,*	3.1. The Influence of the Process Parameters on the Mechanical Properties of PLA Specimens Produced by Fused Filament Fabrication-A Review	*https://www.webofscience.com/wos/wos cc/full-record/WOS:000769207600001* *4,7*
		3.2. Determining of process parameters of the PLA/titanium dioxide/hydroxyapatite filament	*https://www.webofscience.com/wos/wos cc/full-record/WOS:000818718500001* *2,0*
		3.3. A Theoretical-Experimental Study of the Influence of FDM Parameters on PLA Spur Gear Stiffness	*https://www.webofscience.com/wos/wos cc/full-record/WOS:000890459100039* *0,0*
		3.4. Compression Behavior of FFF Printed Parts Obtained by Varying Layer Height and Infill Percentage	*https://www.webofscience.com/wos/wos cc/full-record/WOS:000931784200054* *0,0*
		3.5. Development of a Prediction System for 3D Printed Part Deformation	*https://www.webofscience.com/wos/wos cc/full-record/WOS:000931784200008* *0,0*

	Issue 4, Page 7458-7463, ***2021****,* *ISSN 2241-4487, eISSN 1792-8036, WOS:000692582600028*	3.6. A comparative analysis of the effect of post production treatments and layer thickness on tensile and impact properties of additively manufactured polymers	*https://www.webofscience.com/wos/wos cc/full-record/WOS:000936058100001* *1,1*
		3.7. A Theoretical-Experimental Study on the Influence of FDM Parameters on the Dimensions of Cylindrical Spur Gears Made of PLA	*https://www.webofscience.com/wos/wos cc/full-record/WOS:000972035400042* *0,0*
		3.8. The Influence of the Layer Height and the Filament Color on the Dimensional Accuracy and the Tensile Strength of FDM-Printed PLA Specimens	*https://www.webofscience.com/wos/wos cc/full-record/WOS:000997089300001* *4,7*
		3.9. Comparison of the Charpy Resilience of Two 3D Printed Materials: A Study on the Impact Resistance of Plastic Parts	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001052946400028* *0,0*
		3.10. Dimensional Accuracy of 3D Printed Dog-bone Tensile Samples: A Case Study	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001049834500050* *0,0*
		3.11. Optimization of 3D Printing Parameters for Enhanced Surface Quality and Wear Resistance	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001056403300001* *4,7*
		3.12. Innovative Strategies for Technical-Economical Optimization of FDM Production	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001078224400001* *4,7*
		3.13. Improving the Impact Resistance through Annealing in PLA 3D Printed Parts	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001106870500001* *0,0*
		3.14. Artificial Neural Network Performance Modeling and Evaluation of Additive Manufacturing 3D Printed Parts	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001106870500056* *0,0*
		3.15. THE INFLUENCE OF 3D PRINTING PARAMETERS AND HEAT TREATMENT ON TRIBOLOGICAL BEHAVIOR	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001267255200037* *0,1*
		3.16. Effect of multiple process parameters on optimizing tensile properties for material extrusion-based additive manufacturing	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001168925700001* *7,4*
		3.17. A Study on the Influence of aging of the Butt-welded PE100 SDR11 on Shore A Hardness and Tensile Strength	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001173528400093* *0,0*
		3.18. Development and Characterization of a PLA Biocomposite reinforced with Date Palm Fibers	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001198238800037* *0,0*
		3.19. A Study on the Influence of FDM Parameters on the Compressive Behavior of PET-G Parts	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001198238800040* *0,0*
		3.20. A Study on the Influence of FDM Parameters on the Tensile Behavior of Samples made of PET-G	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001198238800038* *0,0*
		3.21. Study of the Injection of Secondary Air into the Intake Manifold of the Gas Turbine to Avoid the Compressor Surging Phenomenon	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001198238800096* *0,0*
		3.22. Analyzing Sustainable 3D Printing Processes: Mechanical, Thermal, and Crystallographic Insights	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001231651000001* *4,7*
		3.23. Exploring Shore D Hardness Variations Under Different Printing Conditions and Post-processing Treatments	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001246670000014* *1,7*
		3.24. Technical-Economical Study on the Optimization of FDM Parameters for the Manufacture of PETG and ASA Parts	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001305592100001* *4,7*
		3.25. Optimizing Mechanical Properties of Recycled 3D-Printed PLA Parts for Sustainable Packaging Solutions Using Experimental Analysis and Machine Learning	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001376140700001* *4,7*
		3.26. Optimization of printing parameters for polyethylene terephthalate glycol thin honeycomb structures with shape-memory behaviors	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001409457900001* *2,9*
		∑ FI articol 3= 48,1 **C1 articol 3= 26** **C articol 3= 74,1**	
4		4.1.	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001172543900001*

	Diniță A., Ripeanu R.G., Ilinca C.N., Cursaru D., Matei D., ***Ramadan I.N.****, Tanase M., Portoaca A.I., Advancements in Fiber-Reinforced Polymer Composites: A Comprehensive Analysis, POLYMERS, Volume 16, Issue 1,* ***2024*** *DOI 10.3390/polym16010002, WOS:001140688300001*	Energy Efficiency in Additive Manufacturing: Condensed Review	*4,2*
		4.2. Structural integrity of glass fiber reinforced nanocomposites under hydrothermal aging for offshore structure applications	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001209235900001* *4,3*
		4.3. Mechanical Characterization of Hybrid Steel Wire Mesh/Basalt/Epoxy Fiber-Reinforced Polymer Composite Laminates	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001232644800001* *3,0*
		4.4. Parameter study and development of a warp knitting yarn compensation unit as basis for the realisation of contour-accurate non-crimp fabrics: a step towards for highly material efficient non-crimp fabrics	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001236128300001* *1,5*
		4.5. Enhanced Fire Resistance and Mechanical Properties of Epoxy and Epoxy-Based Fiber-Reinforced Composites with Hexachlorocyclotriphosphazene Modification	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001305402900001* *3,0*
		4.6. Sustainable Epoxy Composites with UV Resistance Based on New Kraft Lignin Coatings	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001287184300001* *4,2*
		4.7. Experimental investigation on mechanical property analysis of long and short fiber glass	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001346041000001* *1,8*
		4.8. Deep Learning-Based Microscopic Damage Assessment of Fiber-Reinforced Polymer Composites	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001351794300001* *3,1*
		4.9. Comprehensive Bibliometric Review on the Sustainability and Environmental Impact of Fiber-Reinforced Polymers	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001384362400001* *4,0*
		4.10. Additive manufacturing of continuous carbon fiber reinforced polymer composites using materials extrusion process. Mechanical properties, process parameters, fracture analysis, challenges, and future prospect. A review	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001341491600002* *23,2*
		4.11. Application of natural and synthetic fibers in bio-based earthen composites: A state-of-the-art review	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001397034100001* *6,0*
		4.12 Isonovel Field-Manufacturing Methods for Long-Fiber Thermoplastic Composites	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001396006600004* *0,2*
		4.13 The prediction of homogenized effective properties of continuous fiber composites based on a deep transfer learning approach	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001407285900001* *8,3*
		4.14 Machine Learning Approaches to Natural Fiber Composites: A Review of Methodologies and Applications	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001452828700038* *1,3*
		4.15 eep Learning Utilization for In-Line Monitoring of an Additive Co-Extrusion Process Based on Evaluation of Laser Profiler Data	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001429896600001* *2,5*
		4.16 A Bibliometric and Systematic Review of the Use of Recycled Composite Materials with an Emphasis on the Mechanical Performance of Structures	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001418689700001* *3,1*
		4.17 In-situ piezoelectric sensors for structural health monitoring with machine learning integration	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001423291700001* *3,1*
		4.18 Study of Impact Behavior of Glass-Fiber-Reinforced Aluminum Composite Sandwich Panels at Constant Energy Levels	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001452053600001* *2,9*
		4.19 Computational Approach for Optimizing Resin Flow Behavior in Resin Transfer Molding with Variations in Injection Pressure, Fiber Permeability, and Resin Sorption	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001454077600001* *3,0*
		4.20 Recent advances of Fiber-reinforced polymer composites for defense innovations	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001467223100001* *2,5*
		4.21 Composite structure helical springs with designability of spring constants: Structural design and compression property evaluation	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001451610900001* *4,8*
		4.22 Assessment of strength enhancement and structural performance in fiber-reinforced concrete with varying fiber types and percentages	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001440232300001* *1,5*
		4.23	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001465145100001*

		Thermal and Optical Characterization of Polycarbonate Reflectors Doped with Titanium Dioxide Using Thermography	*3,1*
		4.24 Experimental Investigation on Mechanical Properties of Glass Fiber-Nanoclay-Epoxy Composites Under Water-Soaking: A Comparative Study Using RSM and ANN	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001475633900001* *3,0*
		4.25 Characterization of progressive damage behaviour and failure mechanism of carbon fiber reinforced composite laminates	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001472153600021* *3,8*
		4.26 Natural fiber composites under impact loading: A critical review	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001481846200003* *2,7*
		4.27 Neuro compensated sliding mode control with nonlinear surfaces for pipe crack sealing manipulator	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001463253200001* *4,3*
		4.28 Temperature-dependent multi-physical modeling strategy and safety optimization of lithium-ion battery under mechanical abuses	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001499514300004* *9,0*
		∑ FI articol 4= 117,4 **C1 articol 4= 28** **C articol 4= 145,4**	
5	*Zisopol D.G., Portoacă A.I., Nae I, **Ramadan I .**, A Statistical Approach of the Flexural Strength of PLA and ABS 3D Printed Parts, ENGINEERING TECHNOLOGY & APPLIED SCIENCE RESEARCH Volume12, Issue 2, Page 8248-8252, **2022**, ISSN 2241-4487, eISSN 1792-8036, WOS:000786582200004*	5.1 Influence of Thermal Annealing Temperatures on Powder Mould Effectiveness to Avoid Deformations in ABS and PLA 3D-Printed Parts	*https://www.webofscience.com/wos/wos cc/full-record/WOS:000825652700001* *4,7*
		5.2 A Theoretical-Experimental Study of the Influence of FDM Parameters on PLA Spur Gear Stiffness	*https://www.webofscience.com/wos/wos cc/full-record/WOS:000890459100039* *0,0*
		5.3 Development of a Prediction System for 3D Printed Part Deformation	*https://www.webofscience.com/wos/wos cc/full-record/WOS:000931784200008* *0,0*
		5.4 Compression Behavior of FFF Printed Parts Obtained by Varying Layer Height and Infill Percentage	*https://www.webofscience.com/wos/wos cc/full-record/WOS:000931784200054* *0,0*
		5.5 THREE-POINT BENDING RESPONSE OF NYLON 12 OBTAINED BY FUSED FILAMENT FABRICATION (FFF) VERSUS SELECTIVE LASER SINTERING (SLS)	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001130612000019* *0,7*
		5.6 Functionality Versus Sustainability for PLA in MEX 3D Printing: The Impact of Generic Process Control Factors on Flexural Response and Energy Efficiency	*https://www.webofscience.com/wos/wos cc/full-record/WOS:000947603200001* *4,7*
		5.7 A Theoretical-Experimental Study on the Influence of FDM Parameters on the Dimensions of Cylindrical Spur Gears Made of PLA	*https://www.webofscience.com/wos/wos cc/full-record/WOS:000972035400042* *0,0*
		5.8 Optimizing the Rheological and Thermomechanical Response of Acrylonitrile Butadiene Styrene/Silicon Nitride Nanocomposites in Material Extrusion Additive Manufacturing	*https://www.webofscience.com/wos/wos cc/full-record/WOS:000998284700001* *4,4*
		5.9 Comparison of the Charpy Resilience of Two 3D Printed Materials: A Study on the Impact Resistance of Plastic Parts	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001052946400028* *0,0*
		5.10 Optimization of 3D Printing Parameters for Enhanced Surface Quality and Wear Resistance	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001056403300001* *4,7*
		5.11 The Effect of Tool's Rake Angles and Infeed in Turning Polyamide 66	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001049834500024* *0,0*
		5.12 Dimensional Accuracy of 3D Printed Dog-bone Tensile Samples: A Case Study	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001049834500050* *0,0*
		5.13 Innovative Strategies for Technical-Economical Optimization of FDM Production	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001078224400001* *4,7*
		5.14 THE INFLUENCE OF 3D PRINTING PARAMETERS AND HEAT TREATMENT ON TRIBOLOGICAL BEHAVIOR	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001267255200037* *0,1*
		5.15 Surface Roughness in Metal Material Extrusion 3D Printing: The Influence of Printing Orientation and the Development of a Predictive Model	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001106870500028* *0,0*
		5.16	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001106870500056*

		Artificial Neural Network Performance Modeling and Evaluation of Additive Manufacturing 3D Printed Parts	*0,0*
		5.17 Improving the Impact Resistance through Annealing in PLA 3D Printed Parts	*https://www.webofscience.com/wos/woscc/full-record/WOS:001106870500001* *0,0*
		5.18 Rheology and thermomechanical evaluation of additively manufactured acrylonitrile butadiene styrene (ABS) with optimized tungsten carbide (WC) nano-ceramic content	*https://www.webofscience.com/wos/woscc/full-record/WOS:001095628400001* *5,1*
		5.19 Evaluation of flexural resistance in PLA parts produced by additive manufacturing Avaliação da resistência à flexão de peças de PLA produzidas por manufatura aditiva	*https://www.webofscience.com/wos/woscc/full-record/WOS:001412561600001* *0,5*
		5.20 Exploring Flexural Performances of Fused Filament Fabrication 3D-Printed ABS and ABS-Composites through Innovative Bio-Inspired Processing Parameter Optimization	*https://www.webofscience.com/wos/woscc/full-record/WOS:001136003000001* *2,3*
		5.21 Mechanical Characterization of Polylactic Acid, Polycarbonate, and Carbon Fiber-Reinforced Polyamide Specimens Fabricated by Fused Deposition Modeling	*https://www.webofscience.com/wos/woscc/full-record/WOS:001153732100007* *2,2*
		5.22 Prediction of Flexural Strength with Fuzzy Logic Approach for Fused Deposition Modeling of Polyethylene Terephthalate Glycol Components	*https://www.webofscience.com/wos/woscc/full-record/WOS:001171983000001* *2,2*
		5.23 Study of the Injection of Secondary Air into the Intake Manifold of the Gas Turbine to Avoid the Compressor Surging Phenomenon	*https://www.webofscience.com/wos/woscc/full-record/WOS:001198238800096* *0,0*
		5.24 A Study on the Influence of FDM Parameters on the Tensile Behavior of Samples made of PET-G	*https://www.webofscience.com/wos/woscc/full-record/WOS:001198238800038* *0,0*
		5.25 A Study on the Influence of FDM Parameters on the Compressive Behavior of PET-G Parts	*https://www.webofscience.com/wos/woscc/full-record/WOS:001198238800040* *0,0*
		5.26 Statistical analysis of CO2/N2 gas separation permeance and selectivity using taguchi method	*https://www.webofscience.com/wos/woscc/full-record/WOS:001228470500001* *3,4*
		5.27 Investigation of the effects of 3D printing parameters on mechanical tests of PLA parts produced by MEX 3D printing using Taguchi method	*https://www.webofscience.com/wos/woscc/full-record/WOS:001479510600023* *3,8*
		∑ FI articol 5= 43,5 **C1 articol 5= 27** **C articol 5= 70,5**	
6	*Zisopol D.G., Portoacă A.I., Nae I, **Ramadan I .**, A, A Comparative Analysis of the Mechanical Properties of Annealed PLA, ENGINEERING TECHNOLOGY & APPLIED SCIENCE RESEARCH, Volume 12, Issue 4, Page 8978-8981, **2022**, ISSN 2241-4487, eISSN 1792-8036, WOS:000843479700032*	6.1 A Theoretical-Experimental Study of the Influence of FDM Parameters on PLA Spur Gear Stiffness	*https://www.webofscience.com/wos/woscc/full-record/WOS:000890459100039* *0,0*
		6.2 Development of a Prediction System for 3D Printed Part Deformation	*https://www.webofscience.com/wos/woscc/full-record/WOS:000931784200008* *0,0*
		6.3 Compression Behavior of FFF Printed Parts Obtained by Varying Layer Height and Infill Percentage	*https://www.webofscience.com/wos/woscc/full-record/WOS:000931784200054* *0,0*
		6.4 A Theoretical-Experimental Study on the Influence of FDM Parameters on the Dimensions of Cylindrical Spur Gears Made of PLA	*https://www.webofscience.com/wos/woscc/full-record/WOS:000972035400042* *0,0*
		6.5 Comparison of the Charpy Resilience of Two 3D Printed Materials: A Study on the Impact Resistance of Plastic Parts	*https://www.webofscience.com/wos/woscc/full-record/WOS:001052946400028* *0,0*
		6.6 An Experimental Study on the Impact of Layer Height and Annealing Parameters on the Tensile Strength and Dimensional Accuracy of FDM 3D Printed Parts	*https://www.webofscience.com/wos/woscc/full-record/WOS:001028415000001* *3,1*
		6.7 Optimization of 3D Printing Parameters for Enhanced Surface Quality and Wear Resistance	*https://www.webofscience.com/wos/woscc/full-record/WOS:001056403300001* *4,7*
		6.8 Development of a Layer Made of Natural Fibers to Improve the Ecological Performance of the Face Mask Type II	*https://www.webofscience.com/wos/woscc/full-record/WOS:001056574400001* *3,1*
		6.9 The Effect of Tool's Rake Angles and Infeed in Turning Polyamide 66	*https://www.webofscience.com/wos/woscc/full-record/WOS:001049834500024* *0,0*
		6.10 Dimensional Accuracy of 3D Printed Dog-bone Tensile Samples: A Case Study	*https://www.webofscience.com/wos/woscc/full-record/WOS:001049834500050*

			0,0
		6.11 Innovative Strategies for Technical-Economical Optimization of FDM Production	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001078224400001* *4,7*
		6.12 Improving the Impact Resistance through Annealing in PLA 3D Printed Parts	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001106870500001* *0,0*
		6.13 A Study on the Influence of aging of the Butt-welded PE100 SDR11 on Shore A Hardness and Tensile Strength	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001173528400093* *0,0*
		6.14 Crystallization of Polylactic Acid with Organic Nucleating Agents under Quiescent Conditions	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001159998000001* *4,7*
		6.15 Study of the Injection of Secondary Air into the Intake Manifold of the Gas Turbine to Avoid the Compressor Surging Phenomenon	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001198238800096* *0,0*
		6.16 A Study on the Influence of FDM Parameters on the Tensile Behavior of Samples made of PET-G	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001198238800038* *0,0*
		6.17 A Study on the Influence of FDM Parameters on the Compressive Behavior of PET-G Parts	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001198238800040* *0,0*
		6.18 The Effects of Nucleating Agents and Processing on the Crystallization and Mechanical Properties of Polylactic Acid: A Review	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001256169000001* *3,0*
		6.19 Heat Treatment Effect on Some Mechanical Properties of FDM-Manufactured PCL Wood-Based Biopolymer	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001258096800001* *2,0*
		6.20 Optimizing Mechanical Properties of Recycled 3D-Printed PLA Parts for Sustainable Packaging Solutions Using Experimental Analysis and Machine Learning	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001376140700001* *4,7*
		6.21 Thermal annealing optimization for improved mechanical performance of PLA parts produced via 3D printing	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001428291100001* *5,0*
		6.22 Introduction of 3D-printed porous structures with interconnected porosities via rotation of each layer around a normal axis: Investigating the effects of annealing and printing parameters on the compressive strength and modulus of the structures	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001417076800001* *1,5*
		6.23 3D printing of short fiber reinforced polymers: a review of the materials, 3D printers, lattice structures and pre-/post-treatment impact on the mechanical characteristics	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001480148000001* *4,4*
		∑ FI articol 6= 40,9 **C1 articol 6= 23** **C articol 6= 63,9**	
7	*Neacșa A., Diniță A., Baranowsk P., Sybilski K.,* ***Ramadan I.N.,*** *Malachowski J., Blyukher B., Experimental and Numerical Testing of Gas Pipeline Subjected to Excavator Elements Interference,* ***Journal of Pressure Vessel Technology - Transactions of the ASME Vol. 138, Issue. 3, Numărul articolului: 031701, 2016,*** *ISSN: 0094-9930, WOS:000376086600017*	7.1 Experimental and numerical study of steel pipe with part-wall defect reinforced with fibre glass sleeve	*https://www.webofscience.com/wos/wos cc/full-record/WOS:000393528900010* *3,0*
		7.2 Performance of steel pipe reinforced with composite sleave	*https://www.webofscience.com/wos/wos cc/full-record/WOS:000414592800020* *6,3*
		7.3 Evaluation of the response of fibre reinforced composite repair of steel pipeline subjected to puncture from excavator tooth	*https://www.webofscience.com/wos/wos cc/full-record/WOS:000443821700117* *6,3*
		7.4 Ultimate Failure of Defective Pipelines Reinforced with Composite Repair Systems	*https://www.webofscience.com/wos/wos cc/full-record/WOS:000463716900031* *0,9*
		7.5 Influence of gas transmission network failure on security of supply	*https://www.webofscience.com/wos/wos cc/full-record/WOS:000646200600004* *4,9*
		7.6 Investigation of the gas losses in transmission networks	*https://www.webofscience.com/wos/wos cc/full-record/WOS:000735721800006* *2,4*
		7.7 Gas Losses in the Distribution Networks: An Interdisciplinary Analysis	*https://www.webofscience.com/wos/wos cc/full-record/WOS:000909318700001* *3,0*
		7.8 Hydrogen-Natural Gas Mix-A Viable Perspective for Environment and Society	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001046137300001* *3,0*
		7.9 Three-Dimensional Metal Pipe Detection for Autonomous Excavators Using Inexpensive Magnetometer Sensors	*https://www.webofscience.com/wos/wos cc/full-record/WOS:001098067300048* *4,3*

		∑ FI articol 7= 34,1 **C1 articol 7= 9** **C articol 7= 43,1**	
8	*Cursaru D.L., **Ramadan I.**, Tanasescu C., Rîpeanu R, Study of the Tribological Behavior of Different Carbonaceous Nanomaterials such as Antiwear Additives for an Environmentally Friendly Lubricant, DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES Volume 8, Issue 2, Page 805-815, **2013**, ISSN 1842-3582, WOS:000322737500034*	8.1. CARBON NANOWALLS AS SUITABLE LAYERS FOR LUBRICITY IMPROVEMENT	https://www.webofscience.com/wos/wos/full-record/WOS:000327816300023 *1,0*
		8.2. EFFECT OF FUNCTIONALIZATION OF SINGLE WALLED CARBON NANOTUBES ON ANTIWEAR PROPERTIES OF A MINERAL BASE OIL	https://www.webofscience.com/wos/wos/full-record/WOS:000346138800010 *1,0*
		8.3. Computational intelligence-based design of lubricant with vegetable oil blend and various nano friction modifiers	https://www.webofscience.com/wos/wos/full-record/WOS:000458760500074 *6,7*
		8.4. ADSORPTION MODEL OF MESOMORPHIC BOUNDARY LUBRICATING LAYER FORMED BY NANOSCALE ADDITIVE IN TRIBOSYSTEM WITH ABRASIVE WEAR	https://www.webofscience.com/wos/wos/full-record/WOS:000782981900008 *0,3*
		8.5. Experimental study on effect of nano Al2O3 in physiochemical and tribological properties of vegetable oil sourced biolubricant blends	https://www.webofscience.com/wos/wos/full-record/WOS:000746553600002 *1,0*
		8.6. Effect of the Addition of Fullerene Soot to Litol-24 Grease on the Basic Laws of Sliding Friction in the R6M5 Steel-45 Steel Pair	https://www.webofscience.com/wos/wos/full-record/WOS:000885093200033 *0,4*
		8.7. Influence of Two Types of Few-Layer Graphite Fragments on Viscoelastic Properties of Plastic Lubricants	https://www.webofscience.com/wos/wos/full-record/WOS:001141039800012 *0,5*
		8.8. Optimization of 3D Printing Parameters for Enhanced Surface Quality and Wear Resistance	https://www.webofscience.com/wos/wos/full-record/WOS:001056403300001 *4,7*
		∑ FI articol 8= 15,6 **C1 articol 8= 8** **C articol 8= 23,6**	
9	*Niță A., Petrescu M.G., Dumitru T., Burlacu A., Tanase M., Laudacescu E., **Ramadan I.**, Experimental Research on the Wear Behavior of Materials Used in the Manufacture of Components for Cement Concrete Mixers, MATERIALS, Volume 16, Issue 6, 2023, eISSN 1996-1944, **2022** DOI 10.3390/ma16062326 WOS:000958446500001*	9.1. Experimental Research Regarding the Effect of Mineral Aggregates on the Wear of Mixing Blades of Concrete Mixers	https://www.webofscience.com/wos/wos/full-record/WOS:001069468500001 *3,1*
		9.2. The Application of Tribological Tests to Study the Wear Behavior of Asphalt Cutter Teeth: An Experimental Investigation Using Baroid Tribometer	https://www.webofscience.com/wos/wos/full-record/WOS:001035024800001 *2,9*
		9.3. Multi-Response Optimization Analysis of the Milling Process of Asphalt Layer Based on the Numerical Evaluation of Cutting Regime Parameters	https://www.webofscience.com/wos/wos/full-record/WOS:001056752000001 *2,8*
		9.4. Green Innovation for Carbon Footprint Reduction in Construction Industry	https://www.webofscience.com/wos/wos/full-record/WOS:001172058700001 *3,1*
		9.5. Modelling Wear Phenomena Specific to Mixer Blades in Concrete Production Plants	https://www.webofscience.com/wos/wos/full-record/WOS:001233099400001 *2,5*
		9.6. Estimating the Lifetime of Rotary Dryer Flights Based on Experimental Data	https://www.webofscience.com/wos/wos/full-record/WOS:001231318800001 *2,8*
		9.7. Characterization of Materials Used in the Concrete Industry, from the Point of View of Corrosion Behavior	https://www.webofscience.com/wos/wos/full-record/WOS:001276695800001 *2,9*
		9.8. The Effect of the Aggregate Size and Ambient Temperature on the Impact Resistance of Concrete	https://www.webofscience.com/wos/wos/full-record/WOS:001453577900001 *3,6*
		∑ FI articol 9= 23,7 **C1 articol 9= 8** **C articol 9= 31,7**	
10	***Ramadan I.**, Tanase M., Experimental Study Regarding the Influence of Welding Parameters on the Mechanical Behavior of High Density Polyethylene Pipes, MATERIALE PLASTIC*	10.1. Track Model with Nonlinear Elastic Characteristic of the Rubber Rail Pad	https://www.webofscience.com/wos/wos/full-record/WOS:000705010100005 *0,6*
		10.2. Risk assessment of electrofusion joints in commissioning of polyethylene natural gas networks	https://www.webofscience.com/wos/wos/full-record/WOS:000820497900001 *3,0*
		10.3. Dimensional Accuracy of 3D Printed Dog-bone Tensile Samples: A Case Study	https://www.webofscience.com/wos/wos/full-record/WOS:001049834500050 *0,0*
		10.4.	https://www.webofscience.com/wos/wos/full-record/WOS:001173528400093

	*Volume 57, Issue 4, Page 209-215, **2021**, DOI 10.37358/MP.20.4.5420 ISSN 0025-5289, eISSN 2668-8220, WOS:000617344900020*	A Study on the Influence of aging of the Butt-welded PE100 SDR11 on Shore A Hardness and Tensile Strength	*0,0*
		∑ FI articol 10= 3,6 **C1 articol 10= 4** **C articol 10= 7,6**	
11	*Burlacu A., Petrescu M.G., Dumitru T., Niță A., Tănase M., Laudacescu E., **Ramadan I.**, Ilinca C., Numerical Approach Regarding the Effect of the Flight Shape on the Performance of Rotary Dryers from Asphalt Plants, PROCESSES, Volume 10, Issue 11, **2023**, DOI 10.3390/pr10112339, eISSN 2227-9717, WOS:000910793200001*	11.1. Multi-Response Optimization Analysis of the Milling Process of Asphalt Layer Based on the Numerical Evaluation of Cutting Regime Parameters	*https://www.webofscience.com/wos/wos/full-record/WOS:001056752000001* *2,8*
		11.2. Case study of a batch asphalt mix plant: Energy consumption and emission allocation based on primary data	*https://www.webofscience.com/wos/wos/full-record/WOS:001312557500001* *6,5*
		11.3. Research on the design load of the flights of a rotary kiln based on thermal granular flow coupling	*https://www.webofscience.com/wos/wos/full-record/WOS:001358496200001* *4,5*
		∑ FI articol 11= 13,8 **C1 articol 11= 3** **C articol 11= 16,8**	
12	*Cursaru D.L., Giagkas N., Vizireanu S., Mihai S., Matei D., Bita B., Stancu C., Manta A.M., **Ramadan I.**, IMPROVEMENT OF ANTIWEAR PROPERTIES BY COATING THE STEEL SURFACES AND BY LUBRICANT ADDITIVATION, Digest Journal of Nanomaterials and Biostructures, Volume 14, Issue 4, Page 907-915, **2019**, ISSN 1842-3582, WOS:000506162500006*	12.1. Tribological properties of ZrN coatings deposited by magnetron sputtering in reactive and non-reactive mode	*https://www.webofscience.com/wos/wos/full-record/WOS:000669553000032* *1,0*
		12.2. Influence of Carbon Nanowalls on Copper Deposition for Electrostatic Conductive Coatings	*https://www.webofscience.com/wos/wos/full-record/WOS:000724109200001* *2,9*
		12.3. Experimental study on effect of nano Al_2O_3 in physiochemical and tribological properties of vegetable oil sourced biolubricant blends	*https://www.webofscience.com/wos/wos/full-record/WOS:000746553600002* *1,0*
		∑ FI articol 12= 4,9 **C1 articol 12= 3** **C articol 12= 7,9**	
13	*Sergienko V.P., Bukharov S.N., Kudina E., Dusescu C.M., **Ramadan I.**, Review on Materials for Composite Repair Systems, NON-DESTRUCTIVE TESTING AND REPAIR OF PIPELINES – edited by Barkanov E.N., Dumitrescu A., Parinov I.A., SPRINGER-VERLAG BERLINHEIDELBERGER PLATZ 3, D-14197 BERLIN, GERMANY, Page 169-189, **2018**, DOI 10.1007/978-3-319-56579-8_12 ISBN 978-3-319-56579-8, ISBN 978-3-319-56578-1, ISSN 1612-1317, WOS:000429963200013*	13.1. Diffusion of highly corrosive media (HCM) into protective polymer coating materials	*https://www.webofscience.com/wos/wos/full-record/WOS:000604342100008* *2,8*
		13.2. Effects of twist channel angular pressing on structure and properties of bimetallic Al/Cu clad composites	*https://www.webofscience.com/wos/wos/full-record/WOS:000606821400007* *7,6*
		13.3. Time-Dependent Reliability Analysis of Composite Repaired Pipes Subjected to Multiple Failure Modes	*https://www.webofscience.com/wos/wos/full-record/WOS:000717920200001* *0,9*
		13.4. Assay of Metal Loss in Pipelines With Repaired Sleeves Using Machine-Learning-Assisted Fiber-Optic Distributed Acoustic Sensing	*https://www.webofscience.com/wos/wos/full-record/WOS:001418812500031* *4,3*
		∑ FI publicație 13= 15,6 **C1 publicație 13= 4** **C publicație 13= 19,6**	
14	*Patirnac I., Ripeanu R.G., **Ramadan I.N.**, Theoretical and Experimental Studies on the Cut Zone Generated by AWJ Process, FME TRANSACTIONS*	14.1. On Some Important Quantities the Differential Pneumatic Comparator	*https://www.webofscience.com/wos/wos/full-record/WOS:000891837400011* *1,2*
		14.2. Computational Fluid Dynamics Analysis of Erosion in Active Components of Abrasive Water Jet Machine	*https://www.webofscience.com/wos/wos/full-record/WOS:001322858500001* *2,8*
		∑ FI articol 14= 4	

	*Volume 49, Issue 4, Page 997-1004, **2022*** *DOI 10.5937/fme2104997P* *ISSN 1451-2092,* *eISSN 2406-128X,* *WOS:000734088700025*	**C1 articol 14= 2** **C articol 14= 6**	
15	*Yukhymets P., Dmytriienko R.I., **Ramadan I.**, Bukharov S.N., NON-DESTRUCTIVE TESTING AND REPAIR OF PIPELINES – edited by Barkanov E.N., Dumitrescu A., Parinov I.A., SPRINGER-VERLAG BERLINHEIDELBERGER PLATZ 3, D-14197 BERLIN, GERMANY, **2018*** *DOI 10.1007/978-3-319-56579-8_15* *ISBN 978-3-319-56579-8978-3-319-56578-1* *ISSN 1612-1317,* *WOS:000429963200016*	15.1. Development and Characterization of False Banana (Enset) Fiber Reinforced Composite Material	*https://www.webofscience.com/wos/woscc/full-record/WOS:000779535300001* *2,8*
		15.2. Validation of DOE Factorial/Taguchi/Surface Response Models of Mechanical Properties of Synthetic and Natural Fiber Reinforced Epoxy Matrix Hybrid Material	*https://www.webofscience.com/wos/woscc/full-record/WOS:001277512700001* *4,7*
		∑ FI publicație 15= 7,5 **C1 publicație 15= 2** **C publicație 15= 9,5**	
16	***Ramadan I.N.**, Laudacescu E.V., Popa M., Negoita L.I., Studies on Behaviour of in Service Tubular Material Used at Refinery Process Furnaces,* *REVISTA DE CHIMIE* *Volume 70, Issue 4,* *Page 1162-1166, **2019*** *ISSN 0034-7752* *WOS:000469387200012*	16.1 Hydrogen-Natural Gas Blending in Distribution Systems-An Energy, Economic, and Environmental Assessment	*https://www.webofscience.com/wos/woscc/full-record/WOS:000851018700001* *3,0*
		∑ FI articol 16= 3 **C1 articol 16= 1** **C articol 16= 4**	
Total puncte din citări indicator C: ***C= 287,9 + 234,8 + 74,1 + 145,4 + 70,5 + 63,9 + 43,1 + 23,6 + 31,7 + 7,6 + 16,8 + 7,9 + 19,6 + 6 + 9,5 + 4 = 1046,4***			

Total punctaj = A1+A2+A3 =27+43,233+1263,538=1333,771

Data: 09.06.2025 ***Șef lucr. dr. ing. Ibrahim Naim RAMADAN***