

**UNIVERSITATEA POLITEHNICA DIN BUCUREȘTI**  
**FIȘA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR MINIMALE Profesor/Abilitare**  
**Domeniul: INGINERIE MECANICĂ**

**PETRESCU Florian Ion, Conferențiar, Departamentul Teoria Mecanismelor și a Roboților,**  
**Facultatea de Ingineria Industrială și Robotica, Universitatea POLITEHNICA din București**

Condiții	Îndeplinire condiții
A. Doctor	Diploma de Doctor Seria F, Nr. 0012309, emisă în baza Ordinului Ministrului Învățământului nr. 3030/ din 13.01.2009.
B. Îndeplinirea standardelor minime naționale conform OMENCS nr. 6.129/20.12.2016, [MO, I, 123 / 15.02.2017], [Susținere abilitare, Domeniul <b>Inginerie mecanica, Comisia CNATDCU nr. 17</b> ]	Standarde îndeplinire, conform Comisiei CNATDCU Nr. 17 - <b>COMISIA INGINERIE MECANICA, MECATRONICA SI ROBOTICA</b> Anexată : Fișa de calcul și de susținere a îndeplinirii standardelor minime specifice domeniului, în acord cu realizările menționate :
C. Atestarea studiilor (diplomă + Foi Matricole) și a altor realizări profesionale	<b>DIPLOMA DE INGINER</b> în profilul Mecanic, specializarea Autovehicule rutiere, Nr. 2255/4.04.1983, emisă de Institutul Politehnic București, Facultatea Transporturi.

**Condiții minimale si obligatorii; Observatie notare: Cu negru cerintele minimale profesor, iar cu rosu punctajele realizate de candidat**

Domeniul de activitate		Indicatori	Profesor		
Activitatea didactica / profesionala (A1)	A1.1	N1=N1.1+N1.2	1)	2	4
		N1.1	2)	1	4
		N1.3	3)	1	2
	A1.2	N2	4)	4	4
		N2.1	5)	2	2
Activitatea de cercetare (A2)	A2.1 + A2.3	P1 + P2	6)	10	70.566
		P1	7)	6	70.566
	A2.2	N3	8)	10	50
		N3.1	9)	5	45
	A2.4 + A2.5	N3.2		0	5
		N4	10)	2	2
Recunoasterea impactului activitatii (A3)	A3.1	S1 + S2	12)	50	53.62
		N5	13)	10	49
	A3.2	C	14)	25	389.149
	A3.3				

**Precizări:**

$P1=P1.1+P1.2+P1.3+P1.4$	$P2=P2.1+P2.2$
$N1=N1.1+N1.2$	$N2=N2.1+N2.2+N2.3$
$N4=N4.1+N4.2+N4.3+N4.4$	

Subsemnatul, **PETRESCU Florian Ion**, candidat la concursul de abilitare în domeniul **Inginerie mecanică**, Conferențiar la Facultatea de Inginerie Industrială și Robotică, Universitatea POLITEHNICA din București, arondat Comisiei de Specialitate CNATDCU OMENCS nr. 6.129/20.12.2016, [MO, I, 123 / 15.02.2017] **Nr. 17, COMISIA INGINERIE MECANICA, MECATRONICA SI ROBOTICA**, declar pe propria răspundere, cunoscând prevederile art. 292 privind falsul în declarații, din Legea 286/2009 - Codul Penal, că sunt îndeplinite toate Standardele minime prevăzute de Metodologia UPB 2013 [Secțiunea II.3] și OMECTS nr. 6.129/20.12.2016, pentru depunerea dosarului în vederea abilitării, în momentul înscrierii la concurs, și susțin veridicitatea informațiilor prezentate în dosar și în materialul de mai sus. Lucrările considerate a fi incluse în Baza ISI Thomson Reuters sau în alte Baze de Date Internaționale [BDI] sunt vizibile în aceste baze, în dreptul numelui candidatului, la această dată.

**PETRESCU Florian Ion**

Data,  
16/03/2022



**Domeniul Fundamental: ȘTIINȚE INGINERESTI**

**Domeniul de Studii Universitare: INGINERIE MECANICA**

**Comisia CNATDCU [nr/denumire]: 17. INGINERIE MECANICA, MECATRONICA SI ROBOTICA**

**Fișa de calcul și de susținere a îndeplinirii standardelor minime Profesor/Abilitare**

**Condiții Minime pentru Înscrierea la Concurs**

**[OMECTS 6.129\_2016]**

**Conf. dr.ing. PETRESCU Florian Ion**

**1. Activitatea didactică și profesională DID (A1) – N1.1=4; N1.2=0; N1.3=2; N1=4; N2.1=2; N2.2=2; N2=4;**

<b>1.1</b>	<b>Manuale suport de curs (conform fișei disciplinei de concurs)</b>					
	<b>N1.1</b>	<b>Format tiparit / electronic [1] (min. 100 pag.) Coordonator/prim autor; N1.1 = 3</b>				
		<b>Co-autor N1.2=1</b>				
		1	<b>FI Petrescu</b> , Evaluarea performanțelor în cercetarea și proiectarea sistemelor mecanice. Printech 2020, ISBN 978-606-23-1128-5, cod CNC SIS 62, 328 pag., CIP NR. 11739/09.07.2020	328	1	1
		2	<b>F.I.T. Petrescu</b> , 2012. Teoria Mecanismelor Color: Curs si Aplicatii. Publisher: CreateSpace, USA, 286 pages, ISBN: 9781479302338. <a href="https://www.barnesandnoble.com/w/teoria-mecanismelor-color-florian-ion-petrescu/1112889685">https://www.barnesandnoble.com/w/teoria-mecanismelor-color-florian-ion-petrescu/1112889685</a>	286	1	1
		3	<b>F.I.T. Petrescu</b> , 2012. Consultanta in Ingineria Mecanica (Romanian Edition). Publisher: CreateSpace, USA, 740 pages, ISBN-13: 978-1477446102, <a href="https://www.amazon.com/Consultanta-Ingineria-Mecanica-Romanian-Petrescu/dp/1477446109">https://www.amazon.com/Consultanta-Ingineria-Mecanica-Romanian-Petrescu/dp/1477446109</a>	740	1	1
		4	<b>Florian Ion Petrescu</b> ; Rely Victoria Petrescu, 2013. Camshaft Precision, Color. Publisher: Books on Demand GmbH Germany, 90 pages, ISBN-13: 9783848224876. <a href="https://www.walmart.com/ip/Camshaft-Precision-Color-Germany-2013-Paperback-9783848224876/297600406">https://www.walmart.com/ip/Camshaft-Precision-Color-Germany-2013-Paperback-9783848224876/297600406</a>	90	1	1
	<b>N1.3 Format electronic disponibil pe platforma universitatii /departamentului (autor) N1.3 = 2</b>					
		1	<b>Petrescu, FIT</b> , 2012 Bazele Analizei si Optimizarii Sistemelor cu Memorie Rigida, February 4, 2012, Create Space Publisher, USA, ISBN-13: 978-1470024369, 164 pages. <a href="https://www.amazon.com/Analizei-Optimizarii-Sistemelor-Memorie-Romanian/dp/1470024365">https://www.amazon.com/Analizei-Optimizarii-Sistemelor-Memorie-Romanian/dp/1470024365</a> <a href="https://fiiir.curs.pub.ro/2019/pluginfile.php/54345/mod_resource/content/1/Bazele%20analizei%20si%20optimizarii%20sistemelor%20cu%20memorie%20rigida_color-Florian_PETRESCU.pdf">https://fiiir.curs.pub.ro/2019/pluginfile.php/54345/mod_resource/content/1/Bazele%20analizei%20si%20optimizarii%20sistemelor%20cu%20memorie%20rigida_color-Florian_PETRESCU.pdf</a>	164	1	1
		2	<b>Petrescu, FIT</b> , 2012 Sisteme Mecatronice Seriale, Paralele si Mixte, 12 February 2014, Create Space Publisher, USA, ISBN-13: 978-1495923814, 224 pages. <a href="https://www.amazon.com/Sisteme-Mecatronice-Seriale-Paralele-Romanian/dp/1495923819">https://www.amazon.com/Sisteme-Mecatronice-Seriale-Paralele-Romanian/dp/1495923819</a> <a href="https://fiiir.curs.pub.ro/2019/pluginfile.php/54375/mod_resource/content/1/Curs%20SMMS.pdf">https://fiiir.curs.pub.ro/2019/pluginfile.php/54375/mod_resource/content/1/Curs%20SMMS.pdf</a>	224	1	1

<b>A1.2</b>	<b>Material didactic / Dezvoltare laboratoare, aplicatii: N2.1 = 2; N2.2 = 2; N2 = 4</b>						
	<b>1.2.1</b>	<b>Standuri laborator (constructie / modernizari) certificate de directorul de departament</b>				<b>N2.1</b>	<b>2</b>
		1	Stand de laborator, Cutie de viteze cu trei plus 1 trepte Skoda			1	
		2	Stand de laborator, Elemente si cuple cinematice			1	
	<b>1.2.2</b>	<b>Indrumar laborator / carte aplicatii format tiparit sau electronic (autor, co-autor)</b>				<b>N2.2</b>	<b>2</b>
		1	Florian Ion Tiberiu Petrescu, 2012. Indrumar de laborator de teoria mecanismelor. CreateSpace Independent Publishing, 116 pages, ISBN-13: 978-1481872539. <a href="https://www.amazon.com/Indrumar-laborator-teoria-mecanismelor-Romanian/dp/1481872532">https://www.amazon.com/Indrumar-laborator-teoria-mecanismelor-Romanian/dp/1481872532</a>	116	1		
		2	Florian Ion Tiberiu Petrescu, 2012. Bazele analizei sistemelor cu memorie rigidă, îndrumar de laborator. CreateSpace Independent	42	1		



		Publishing, 42 pages, ISBN-13: 978-1481873666. <a href="https://www.barnesandnoble.com/w/bazele-analizei-sistemelor-cu-memorie-rigida-indrumar-de-laborator-dr-florian-ion-tiberiu-petrescu/1117511757">https://www.barnesandnoble.com/w/bazele-analizei-sistemelor-cu-memorie-rigida-indrumar-de-laborator-dr-florian-ion-tiberiu-petrescu/1117511757</a>			
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**2. Activitatea de cercetare științifică, dezvoltare tehnologică și inovare - CDI (A2), P1=70.566; P2=0; P1+P2=70.566; N3.1=45; N3.2=5; N3=50;**

2.1. Articole și publicații științifice indexate Web of Science Thomson Reuters (WOS) [2]; unde n=nr. de autori și FI este factorul de impact [3]			P1=70.566	
A2.1	Autor corespondent / prim autor		n ≤ 3	P1.1=2.(0,2+FI)
			n > 4	P1.2=2.3.(0,2+FI)/n
A2.1	C-autor		n ≤ 3	P1.3=0,2+FI
			n > 4	P1.4=3.(0,2+FI)/n
Cu factor de impact	1.	<b>FIT., Petrescu</b> , RVV., Petrescu, 2019. <a href="https://doi.org/10.1016/j.ijhydene.2019.02.140">Nuclear hydrogen structure and dimensions</a> , International Journal of Hydrogen Energy, ISSN 0360-3199. eISSN 1879-3487, Volume 44 / Issue 21, pp. 10833-10837. <a href="https://doi.org/10.1016/j.ijhydene.2019.02.140">https://doi.org/10.1016/j.ijhydene.2019.02.140</a> Indexed: <b>ISI WoS, Science Citation Index Expanded</b> , Scopus (Elsevier), Academic Search Premier, PASCAL, Artic & Antarctic Regions, Chimica, Compendex, Environment Index, INSPEC, Communication Abstracts <b>Impact Factor 4.939 (2019)</b> ; Accession Number: <b>WOS: 000466618300062 Zona Rosie Q1</b> <b>Zona Galbena Q2 CHEMISTRY, PHYSICAL Q2 ELECTROCHEMISTRY Q2 ENERGY &amp; FUELS</b>	n=2	10.278
	2	RVV. Petrescu, A. Machín, K. Fontánéz, JC. Arango, FM. Márquez, <b>FIT. Petrescu*</b> , 2020. Hydrogen for aircraft power and propulsion. International Journal of Hydrogen Energy, ISSN 0360-3199; eISSN 1879-3487, Volume 45(41):20740-20764. DOI: 10.1016/j.ijhydene.2020.05.253 <a href="https://doi.org/10.1016/j.ijhydene.2020.05.253">https://doi.org/10.1016/j.ijhydene.2020.05.253</a> Indexed: <b>ISI WoS, Science Citation Index Expanded</b> , Scopus (Elsevier), Academic Search Premier, PASCAL, Artic & Antarctic Regions, Chimica, Compendex, Environment Index, INSPEC, Communication Abstracts <b>Impact Factor 5.816 (2020)</b> ; Accession Number: <b>WOS: 000558598300004 Zona Rosie Q1</b> <b>Zona Galbena Q2 CHEMISTRY, PHYSICAL Q2 ELECTROCHEMISTRY; Q2 ENERGY &amp; FUELS</b>	n=6	5.139
	3	Yuxia Duan, Hai Zhang, Stefano Sfarra, Nicolas P. Avdelidis, Theodoros H. Loutas, George Sotiriadis, Vassilis Kostopoulos, Henrique Fernandes, <b>Florian Ion Petrescu</b> , Clemente Ibarra-Castanedo and Xavier P.V. Maldague, 2019. <a href="https://www.mdpi.com/1996-1073/12/13/2537">On the Use of Infrared Thermography and Acousto-Ultrasonics NDT Techniques for Ceramic-Coated Sandwich Structures</a> . Energies Volume 12, Issue 13, pp. 1-12 DOI: 10.3390/en12132537; ISSN: 1996-1073 <a href="https://www.mdpi.com/1996-1073/12/13/2537">https://www.mdpi.com/1996-1073/12/13/2537</a> Indexed: <b>ISI WoS, Science Citation Index Expanded, Scopus Impact factor 2.702 (2019)</b> Accession Number: <b>WOS:000477034700078 Zona Alba Q3 Energy and Fuels.</b>	n=11	0.791
	4	Mirsayar, M.M., Joneidi, V.A., Petrescu, R.V.V., <b>Petrescu, F.I.T.</b> , Berto, F., 2017. <a href="http://doi.org/10.1016/j.engfracmech.2017.04.018">Extended MTSN criterion for fracture analysis of soda lime glass</a> , Engineering Fracture Mechanics 178, pp. 50–59, ISSN: 0013-7944, <a href="http://doi.org/10.1016/j.engfracmech.2017.04.018">http://doi.org/10.1016/j.engfracmech.2017.04.018</a> Indexed: <b>ISI WoS, Science Citation Index, Science Citation Index Expanded, Current Contents – Engineering</b> , Computing & Technology, Scopus (Elsevier), INSPEC, Compendex, Metadex, Academic Search Premier, Aerospace Database, Applied Science & Technology Source, Aquatic Science & Fisheries Abstracts (ASFA), Civil Engineering Abstracts, Computer & Applied Sciences, Communication Abstracts, DIALNET <b>Impact Factor 2.908 (2017)</b> ; Accession Number: <b>WOS: 000403127100005 Zona Rosie Q1 MECHANICS</b>	n=5	1.865



5	<p><b>FIT., Petrescu</b>, 2019. <a href="#">About the nuclear particles' structure and dimensions</a>. Comp. Part. Mech. ISSN: 2196-4378 (Print) 2196-4386 (Online), Volume 6, Issue 2, Pages 191-194.  <a href="https://doi.org/10.1007/s40571-018-0206-7">https://doi.org/10.1007/s40571-018-0206-7</a> Indexed: <b>ISI WoS, Science Citation Index Expanded</b>, Scopus (Elsevier), INSPEC, DOAJ  <b>Impact Factor 1.696 (2019)</b>; Accession Number: <b>WOS:000462795200005 Zona Galbena Q2 MATHEMATICS, INTERDISCIPLINARY APPLICATIONS</b></p>	n=1	3.792
6	<p>Aversa, R., Petrescu, RVV., Apicella, A., <b>Petrescu, FIT*</b>, 2017. <a href="#">Modern Transportation and Photovoltaic Energy for Urban Ecotourism</a>. TRANSYLVANIAN REVIEW OF ADMINISTRATIVE SCIENCES Special Issue, pp. 5-20. ISSN: 1842-2845, eISSN: 2247-8310. DOI: 10.24193/tras.SI2017.1 Indexed: <b>ISI WoS, Social Sciences</b>  <a href="http://rtas.ro/tras/index.php/tras/article/view/540">http://rtas.ro/tras/index.php/tras/article/view/540</a>  <b>Impact Factor 0.617 (2017)</b>; <b>WOS:000418457400001 Zona Alba Q3</b></p>	n=4	1.226
7	<p>Machín A, Fontánez K, Arango JC, Ortiz D, De León J, Pinilla S, Nicolosi V, <b>Petrescu FI</b>, Morant C, Márquez F. One-Dimensional (1D) Nanostructured Materials for Energy Applications. Materials. 2021; 14(10):2609. <a href="https://doi.org/10.3390/ma14102609">https://doi.org/10.3390/ma14102609</a>                  Indexed: <b>PubMed, ISI WoS, Science Citation Index Expanded</b>, Scopus (Elsevier), INSPEC, <b>Impact Factor 3.623 (2020)</b>; Accession Number: <b>WOS:000662526000001 Zona Roșie Q1 (Metallurgy &amp; Metallurgical Engineering)</b></p>	n=10	0.977
8	<p>Ungureanu LM, <b>Petrescu FIT*</b>. Dynamics of Mechanisms with Superior Couplings. Applied Sciences. 2021; 11(17):8207. DOI: 10.3390/app11178207;                  Indexed: <b>ISI WoS, Science Citation Index Expanded</b>, Scopus (Elsevier), INSPEC, <b>Impact Factor 2.679 (2020)</b>; Accession Number: <b>WOS:000694189300001 Zona Galbena Q2 Engineering, Multidisciplinary</b></p>	n=2	5.758
9	<p>Zeng Z, Shi G, <b>Petrescu FIT*</b>, Ungureanu LM, Li Y. Micro-Nano Machining TiO2 Patterns without Residual Layer by Unconventional Imprinting. Applied Sciences. 2021; 11(21):10097. <a href="https://doi.org/10.3390/app112110097">https://doi.org/10.3390/app112110097</a>;                  Indexed: <b>ISI WoS, Science Citation Index Expanded</b>, Scopus (Elsevier), INSPEC, <b>Impact Factor 2.679 (2020)</b>; Accession Number: <b>WOS:000726548700001 Zona Galbena Q2 Engineering, Multidisciplinary</b></p>	n=5	3.455
10	<p>Machin, A; Arango, JC; Fontanez, K; Cotto, M; Duconge, J; Soto-Vazquez, L; Resto, E; <b>Petrescu, FIT*</b>; Morant, C; Marquez, F., 2020. Biomimetic Catalysts Based on Au@ZnO-Graphene Composites for the Generation of Hydrogen by Water Splitting. BIOMIMETICS, eISSN: 2313-7673. Volume: 5, Issue 3, Article Number: 39. DOI: 10.3390/biomimetics5030039 Indexed: <b>PubMed, ISI WoS, Scopus</b>, PubMed ID: 32839383 <b>Impact Factor (2021)</b>; <b>Apare în iunie 2022</b>                  Accession Number: <b>WOS:000579680300001 Zona Galbena Q2</b></p>	n=10	
11	<p>Machin, A.; Soto-Vazquez, L.; Colon-Cruz, C; Valentin-Cruz, CA.; Claudio-Serrano, GJ.; Fontanez, K.; Resto, E.; <b>Petrescu, FI</b>; Morant, C.; Marquez, F., 2021. Photocatalytic Activity of Silver-Based Biomimetics Composites. BIOMIMETICS, Volume: 6 Issue: 1, Article Number: 4. DOI: 10.3390/biomimetics6010004                  Indexed: <b>PubMed, ISI WoS, Scopus</b>, PubMed ID: 33406738  <b>Impact Factor (2021)</b>; <b>Apare în iunie 2022</b> Accession Number: <b>WOS:000633016600001 Zona Galbena Q2</b></p>	n=10	
12	<p>Aversa, R.; Petrescu, R.V.; <b>Petrescu, F.I.T.</b>; Perrotta, V.; Apicella, D., Apicella, A., Biomechanically Tunable Nano-Silica/P-HEMA Structural Hydrogels for Bone Scaffolding. Bioengineering 2021, 8(4), nr. 45. ISSN 2306-5354. Indexed PubMed, PubMed Central, <b>Scopus</b> DOI: 10.3390/bioengineering8040045                  Indexed: <b>ISI WoS, Science Citation Index Expanded</b>, Scopus (Elsevier)  <b>Impact Factor (2021)</b>; <b>Apare în iunie 2022</b>                  Accession Number: <b>WOS:000642725200001</b>  <b>PubMed ID: 33916623 Zona Galbena Q2</b></p>	n=6	



	13	Machín A, Fontáñez K, Duconge J, Cotto MC, <b>Petrescu FI</b> , Morant C, Márquez F. Photocatalytic Degradation of Fluoroquinolone Antibiotics in Solution by Au@ZnO-rGO-gC3N4 Composites. Catalysts. 2022; 12(2):166. <a href="https://doi.org/10.3390/catal12020166">https://doi.org/10.3390/catal12020166</a> Indexed: <b>ISI WoS, Science Citation Index Expanded</b> , Scopus (Elsevier) <b>Impact Factor 4.146 (2020);</b> Accession Number: <b>WOS:000770924400001</b> <b>PubMed ID: 33916623</b> <b>Zona Galbena Q2 (Chemistry, Physical)</b>	n=7	1.863
	14	Machín A, Fontáñez K, García D, Sampayo P, Colón-Cruz C, Claudio-Serrano GJ, Soto-Vázquez L, Resto E, <b>Petrescu FI</b> , Morant C, Márquez F. Hydrogen Production and Degradation of Ciprofloxacin by Ag@TiO <sub>2</sub> -MoS <sub>2</sub> Photocatalysts. Catalysts. 2022; 12(3):267. <a href="https://doi.org/10.3390/catal12030267">https://doi.org/10.3390/catal12030267</a> Indexed: <b>ISI WoS, Science Citation Index Expanded</b> , Scopus (Elsevier) <b>Impact Factor 4.146 (2020);</b> Accession Number: <b>WOS:000</b> <b>PubMed ID: 33916623 Zona Galbena Q2 (Chemistry, Physical)</b>	n=11	1.185
	15	Zhang S, Chen J, Zheng J, Chen X, Xu H, <b>Petrescu FIT*</b> , Ungureanu LM, Li Y, Shi G. A Simple Polypyrrole/Polyvinylidene Fluoride Membrane with Hydrophobic and Self-Floating Ability for Solar Water Evaporation. Nanomaterials. 2022; 12(5):859. <a href="https://doi.org/10.3390/nano12050859">https://doi.org/10.3390/nano12050859</a> <b>Impact Factor 5.076 (2020); PubMed ID:35269347</b> Accession Number: <b>WOS: 000768687900001</b> <b>Zona Roșie Q1 (Physics, Applied)</b>	n=9	3.517
	16	<b>Petrescu FIT</b> . Advanced Dynamics Processes Applied to an Articulated Robot. Processes. 2022; 10(4):640. <a href="https://doi.org/10.3390/pr10040640">https://doi.org/10.3390/pr10040640</a> <b>Impact Factor 2.847 (2020);</b> Accession Number: <b>WOS:000</b> <b>Zona Galbena Q2 (Chemistry, Physical)</b>	n=1	6.094
	17	Fadiel AAM, Abu-Lebdeh T, <b>Petrescu FIT*</b> . Assessment of Woodcrete Using Destructive and Non-Destructive Test Methods. Materials. 2022; 15(9):3066. <a href="https://doi.org/10.3390/ma15093066">https://doi.org/10.3390/ma15093066</a> Indexed: <b>PubMed, ISI WoS, Science Citation Index Expanded</b> , Scopus (Elsevier), INSPEC, <b>Impact Factor 3.623 (2020);</b> Accession Number: <b>WOS:000 Zona Roșie Q1 (Metallurgy &amp; Metallurgical Engineering)</b>	n=3	7.646
<b>WOS Fără factor de impact</b>	1.	<b>Petrescu FIT</b> , Petrescu RVV., 2016. <a href="#">An Otto Engine Dynamic Model</a> , Independent Journal of Management and Production, Vol. 7, Issue 1, pp. 38-48, ISSN: 2236-269X. DOI: dx.doi.org/10.14807/ijmp.v7i1.381. <a href="http://www.ijmp.jor.br/index.php/ijmp/article/view/381">http://www.ijmp.jor.br/index.php/ijmp/article/view/381</a> Indexed: <b>ISI WoS, Emerging Sources Citation Index</b> . Accession Number: <b>WOS: 000447998500016</b>	n=2	0.4
	2	<b>Petrescu FIT</b> , Petrescu RVV., 2015. <a href="#">Forces at the Main Mechanism of a Railbound Forging Manipulator</a> , Independent Journal of Management and Production, Vol. 6, Issue 4, pp. 904-921, ISSN: 2236-269X. DOI: dx.doi.org/10.14807/ijmp.v6i4.316. <a href="http://www.ijmp.jor.br/index.php/ijmp/article/view/316">http://www.ijmp.jor.br/index.php/ijmp/article/view/316</a> Indexed: <b>ISI WoS, Emerging Sources Citation Index</b> . Accession Number: <b>WOS: 000447996600004</b>	n=2	0.4
	3	<b>Petrescu FIT</b> , Petrescu RVV., 2015. <a href="#">Machine Motion Equations</a> , Independent Journal of Management and Production, Vol. 6, Issue 3, pp. 773-802, ISSN: 2236-269X. DOI: dx.doi.org/10.14807/ijmp.v6i3.318. <a href="http://www.ijmp.jor.br/index.php/ijmp/article/view/318">http://www.ijmp.jor.br/index.php/ijmp/article/view/318</a> Indexed: <b>ISI WoS, Emerging Sources Citation Index</b> . Accession Number: <b>WOS: 000447993700011</b>	n=2	0.4
	4	<b>Petrescu FIT</b> , Petrescu RVV., 2015. <a href="#">Kinematics at the Main Mechanism of a Railbound Forging Manipulator</a> , Independent Journal of Management and Production, Vol. 6, Issue 3, pp. 711-729, ISSN: 2236-269X. DOI: dx.doi.org/10.14807/ijmp.v6i3.235. <a href="http://www.ijmp.jor.br/index.php/ijmp/article/view/235">http://www.ijmp.jor.br/index.php/ijmp/article/view/235</a> Indexed: <b>ISI WoS, Emerging Sources Citation Index</b> . Accession	n=2	0.4



		Number: <b>WOS: 000447993700008</b>		
5	<b>Petrescu FIT.</b> , Petrescu RV., 2019. <a href="#">Dynamics of the Distribution Mechanism with Rocking Tappet with Roll</a> . INDEPENDENT JOURNAL OF MANAGEMENT & PRODUCTION ISSN: 2236-269X, Volume: 10, Issue: 3, Pages: 951-965. DOI: <a href="http://dx.doi.org/10.14807/ijmp.v10i3.367">dx.doi.org/10.14807/ijmp.v10i3.367</a> . <a href="http://www.ijmp.jor.br/index.php/ijmp/article/view/367">http://www.ijmp.jor.br/index.php/ijmp/article/view/367</a> Indexed: <b>ISI WoS, Emerging Sources Citation Index</b> . Accession Number: <b>WOS:000470073200003</b>	n=2	<b>0.4</b>	
6	<b>Petrescu, F.I.</b> , Petrescu, R.V., <a href="#">Otto Motor Dynamics</a> , 2016. REVISTA GEINTEC-GESTAO INOVACAO E TECNOLOGIAS, 6(3), pp. 3392-3406, ISSN: 2237-0722, Retrieved from: <a href="http://www.revistageintec.net/index.php/revista/article/view/373">http://www.revistageintec.net/index.php/revista/article/view/373</a> Indexed <b>ISI WOS, Emerging Sources Citation Index</b> Accession Number: <b>WOS: 000394614600012</b>	n=2	<b>0.4</b>	
7	<b>Petrescu, FIT.</b> , Petrescu, RV., Mirsayar, M.M., 2018. <a href="#">Inverse Kinematics to a Stewart Platform</a> . JOURNAL OF MATERIALS AND ENGINEERING STRUCTURES 5(2), pp. 111-122. ISSN: 2170-127X, Indexed: <b>ISI WOS, Emerging Sources Citation Index</b> <a href="http://revue.ummto.dz/index.php/JMES/article/view/1623">http://revue.ummto.dz/index.php/JMES/article/view/1623</a> Accession Number: <b>WOS: 000447942200002</b>	n=3	<b>0.4</b>	
8	R. Aversa, RVV. Petrescu, A. Apicella, <b>FIT. Petrescu*</b> , 2019. <a href="#">A Nanodiamond for Structural Biomimetic Scaffolds</a> . Engineering Review, Vol. 39, Issue 1, pp. 81-89. DOI: <a href="http://doi.org/10.30765/er.39.1.9">http://doi.org/10.30765/er.39.1.9</a> . ISSN 1330-9587 (Print), eISSN 1849-0433 (Online). Indexed: <b>ISI WoS, Emerging Sources Citation Index</b> , Scopus, Aerospace Database, Civil Engineering Abstracts, INSPEC, Metadex, Communication Abstracts Accession Number: <b>WOS: 000455809800009</b>	n=4	<b>0.3</b>	
9	<b>Petrescu, F.I.</b> , Petrescu, R.V., <a href="#">Dynamic Cinematic to a Structure 2R</a> , 2016. REVISTA GEINTEC-GESTAO INOVACAO E TECNOLOGIAS, 6(2), pp. 3143-3154, ISSN: 2237-0722, Retrieved from: <a href="http://www.revistageintec.net/index.php/revista/article/view/371">http://www.revistageintec.net/index.php/revista/article/view/371</a> Indexed <b>ISI WOS, Emerging Sources Citation Index</b> Accession Number: <b>WOS: 000394613800012</b>	n=2	<b>0.4</b>	
10	Petrescu, Rely Victoria Virgil; Aversa, Raffaella; Apicella, Antonio; <b>Petrescu, Florian Ion Tiberiu*</b> ; 2017. <a href="#">Green Energy to Protecting the Environment</a> , Geintec, 7(1), pp. 3722-3743. ISSN: 2237-0722, Retrieved from: <a href="http://www.revistageintec.net/index.php/revista/article/view/971">http://www.revistageintec.net/index.php/revista/article/view/971</a> Indexed: <b>ISI WOS, Emerging Sources Citation Index</b> Accession Number: <b>WOS: 000398941600011</b>	n=4	<b>0.3</b>	
11	<b>Petrescu, FIT.</b> , Petrescu, RV., Mirsayar, M.M., 2017. <a href="#">The Computer Algorithm for Machine Equations of Classical Distribution</a> . JOURNAL OF MATERIALS AND ENGINEERING STRUCTURES 4(4), pp. 193-209. ISSN: 2170-127X, Indexed: <b>ISI WOS, Emerging Sources Citation Index</b> <a href="http://revue.ummto.dz/index.php/JMES/article/view/1590">http://revue.ummto.dz/index.php/JMES/article/view/1590</a> Accession Number: <b>WOS: 000424424600003</b>	n=3	<b>0.4</b>	
12	Abu-Lebdeh, Taher; Petrescu, Rely Victoria V.; Al-Nasra, Moayyad, <b>FIT. Petrescu*</b> , 2019. <a href="#">Effect of nano-Silica (SiO2) on the Hydration Kinetics of Cement</a> . <a href="#">Engineering Review</a> , Vol. 39, Issue 3, pp. 248-260. DOI: 10.30765/er.39.3.06. <a href="http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=40&amp;SID=C2uWFiakuUHDw9w74Mp&amp;page=1&amp;doc=3">http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=40&amp;SID=C2uWFiakuUHDw9w74Mp&amp;page=1&amp;doc=3</a> ISSN 1330-9587 (Print), eISSN 1849-0433 (Online). Indexed: <b>ISI WoS, Emerging Sources Citation Index</b> , Scopus, Aerospace Database, Civil Engineering Abstracts, INSPEC, Metadex, Communication Abstracts Accession Number: <b>WOS: 000471845300006</b>	n=4	<b>0.3</b>	
13	<b>Petrescu, FIT.</b> , Petrescu, RVV, 2019. <a href="#">An Algorithm to Determining the</a>	n=2	<b>0.4</b>	



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	14	Petrescu, RVV, <b>Petrescu FIT*</b> , 2019. <a href="#">Structural-topological synthesis of space mechanisms with rods and wheels</a> , Independent Journal of Management and Production, ISSN: 2236-269X, Volume: 10, Issue: 5, Pages: 1446-1475, DOI: dx.doi.org/10.14807/ijmp.v10i5.902, <a href="http://www.ijmp.jor.br/index.php/ijmp/article/view/902">http://www.ijmp.jor.br/index.php/ijmp/article/view/902</a> Indexed: <b>ISI WoS, Emerging Sources Citation Index</b> , Accession Number: <b>WOS:000488884900004</b>	n=2	0.4
	15	<b>Petrescu FIT</b> , Petrescu RV, 2014. <a href="#">High Efficiency Gears</a> , FACTA UNIVERSITATIS-SERIES MECHANICAL ENGINEERING, ISSN: 0354-2025 (Print), ISSN: 2335-0164 (Online), Volume 12, Issue 1, Page 51-60. <a href="http://casopisi.junis.ni.ac.rs/index.php/FUMechEng/article/view/187">http://casopisi.junis.ni.ac.rs/index.php/FUMechEng/article/view/187</a> Indexed: <b>ISI WoS, Emerging Sources Citation Index</b> , Accession Number: <b>WOS:000216530500005</b>	n=2	0.4
	16	<b>Petrescu FIT</b> , Petrescu RV, 2014. <a href="#">Cam Gears Dynamics in the Classic Distribution</a> , Independent Journal of Management and Production, ISSN: 2236-269X, Volume 5, Issue 1, Page 166-185. DOI: dx.doi.org/10.14807/ijmp.v5i1.133. <a href="http://www.ijmp.jor.br/index.php/ijmp/article/view/133">http://www.ijmp.jor.br/index.php/ijmp/article/view/133</a> Indexed: <b>ISI WoS, Emerging Sources Citation Index</b> , Accession Number: <b>WOS:000447966600010</b>	n=2	0.4
	17	<b>Petrescu FIT</b> , Petrescu RV, 2014. <a href="#">High Efficiency Gears Synthesis by Avoid the Interferences</a> , Independent Journal of Management and Production, ISSN: 2236-269X, Volume 5, Issue 2, Page 275-298. DOI: dx.doi.org/10.14807/ijmp.v5i2.147. <a href="http://www.ijmp.jor.br/index.php/ijmp/article/view/147">http://www.ijmp.jor.br/index.php/ijmp/article/view/147</a> Indexed: <b>ISI WoS, Emerging Sources Citation Index</b> , Accession Number: <b>WOS:000447967300002</b>	n=2	0.4
	18	<b>Petrescu FIT</b> , Petrescu RV, 2014. <a href="#">Parallel Moving Mechanical Systems</a> , Independent Journal of Management and Production, ISSN: 2236-269X, Volume 5, Issue 3, Page 564-580. DOI: dx.doi.org/10.14807/ijmp.v5i3.159. <a href="http://www.ijmp.jor.br/index.php/ijmp/article/view/159">http://www.ijmp.jor.br/index.php/ijmp/article/view/159</a> Indexed: <b>ISI WoS, Emerging Sources Citation Index</b> , Accession Number: <b>WOS:000447968400003</b>	n=2	0.4
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	20	<b>Petrescu, FIT.</b> , Petrescu, RVV., 2019. <a href="#">Application to Rigid Memory Mechanisms of a Variable Internal Dynamic Damping Model</a> . Independent Journal of Management and Production, ISSN: 2236-269X, Volume: 10, Issue: 6, Pages: 1994-2022. DOI: dx.doi.org/10.14807/ijmp.v10i6.905. <a href="http://www.ijmp.jor.br/index.php/ijmp/article/view/905">http://www.ijmp.jor.br/index.php/ijmp/article/view/905</a> Indexed: <b>ISI WoS, Emerging Sources Citation Index</b> , Accession Number: <b>WOS:000500535300007</b>	n=2	0.4
	21	<b>Petrescu, FIT.</b> , Petrescu, RVV., 2019. <a href="#">The Human Body's Hydraulics</a> . Independent Journal of Management and Production, ISSN: 2236-269X. Volume: 10, Issue: 6, Pages: 1853-1881, DOI: dx.doi.org/10.14807/ijmp.v10i6.932 <a href="http://www.ijmp.jor.br/index.php/ijmp/article/view/932">http://www.ijmp.jor.br/index.php/ijmp/article/view/932</a> Indexed: <b>ISI WoS, Emerging Sources Citation Index</b> , Accession Number: <b>WOS:000500535300001</b>	n=2	0.4



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23	<p><b>Petrescu, FIT.</b>, Petrescu, RVV., 2019. The structure, geometry, and kinematics of a universal joint. Independent Journal of Management and Production, ISSN: 2236-269X. Volume: 10, Issue: 8, Pages: 1713-1724, DOI: 10.14807/ijmp.v10i8.923  <a href="http://www.ijmp.jor.br/index.php/ijmp/article/view/923">http://www.ijmp.jor.br/index.php/ijmp/article/view/923</a>                      Indexed: <b>ISI WoS, Emerging Sources Citation Index</b>,                      Accession Number: <b>WOS:000563868200001</b></p>	n=2	0.4
24	<p>Petrescu, RVV., Aversa, R., Apicella, A., Abu-Lebdeh, TM., <b>Petrescu, FIT.*</b>, 2019. A new hypothesis about the nuclear hydrogen structure. Independent Journal of Management and Production, ISSN: 2236-269X. Volume: 10, Issue: 8, Pages: 1749-1771, DOI: 10.14807/ijmp.v10i8.1046  <a href="http://www.ijmp.jor.br/index.php/ijmp/article/view/1046">http://www.ijmp.jor.br/index.php/ijmp/article/view/1046</a>                      Indexed: <b>ISI WoS, Emerging Sources Citation Index</b>,                      Accession Number: <b>WOS:000563868200003</b></p>	n=5	0.24
25	<p>Fallahi, M., Roudsari, SS., Abu-Lebdeh, TM., <b>Petrescu, FIT.*</b>, 2019. Investigating the effects of FRP bars on the seismic behavior of reinforced concrete coupling beams. Independent Journal of Management and Production, ISSN: 2236-269X. Volume: 10, Issue: 8, Pages: 1819-1833, DOI: 10.14807/Ump.v10/8.1058  <a href="http://www.ijmp.jor.br/index.php/ijmp/article/view/1058">http://www.ijmp.jor.br/index.php/ijmp/article/view/1058</a>                      Indexed: <b>ISI WoS, Emerging Sources Citation Index</b>,                      Accession Number: <b>WOS:000563868200005</b></p>	n=4	0.3
26	<p>Aversa, R., Petrescu, RVV., Apicella, A., <b>Petrescu, FIT.*</b>, 2019. A method for pet mechanical properties enhancement. Independent Journal of Management and Production, ISSN: 2236-269X. Volume: 10, Issue: 8, Pages: 1725-1748, DOI: 10.14807/Ump.v10/8.940  <a href="http://www.ijmp.jor.br/index.php/ijmp/article/view/940">http://www.ijmp.jor.br/index.php/ijmp/article/view/940</a>                      Indexed: <b>ISI WoS, Emerging Sources Citation Index</b>,                      Accession Number: <b>WOS:000563868200002</b></p>	n=4	0.3
27	<p>Petrescu, RVV., Aversa, R., Apicella, A., <b>Petrescu, FIT.*</b>, 2019. Biologically structured materials. Independent Journal of Management and Production, ISSN: 2236-269X. Volume: 10, Issue: 8, Pages: 1772-1818, DOI: 10.14807/Ump.v10/8.1084  <a href="http://www.ijmp.jor.br/index.php/ijmp/article/view/1084">http://www.ijmp.jor.br/index.php/ijmp/article/view/1084</a>                      Indexed: <b>ISI WoS, Emerging Sources Citation Index</b>,                      Accession Number: <b>WOS:000563868200004</b></p>	n=4	0.3
28	<p><b>Petrescu, FIT.</b>, Petrescu, RVV., 2020. <a href="#">An Algorithm to Solve the Inverse Kinematics to a Stewart Platform</a>. Independent Journal of Management and Production, ISSN: 2236-269X. Volume: 11, Issue: 2, Pages: 263-282, DOI: dx.doi.org/10.14807/ijmp.v11i2.788  <a href="http://www.ijmp.jor.br/index.php/ijmp/article/view/788">http://www.ijmp.jor.br/index.php/ijmp/article/view/788</a>                      Indexed: <b>ISI WoS, Emerging Sources Citation Index</b>, Accession Number: <b>WOS:000523302500001</b></p>	n=2	0.4
29	<p><b>Petrescu, FIT.</b>, Petrescu, RVV., 2020. <a href="#">Some Dynamic Models of Rigid Memory Mechanisms</a>. Independent Journal of Management and Production, ISSN: 2236-269X. Volume: 11, Issue: 2, Pages: 486-518, DOI: dx.doi.org/10.14807/ijmp.v11i2.929  <a href="http://www.ijmp.jor.br/index.php/ijmp/article/view/929">http://www.ijmp.jor.br/index.php/ijmp/article/view/929</a>                      Indexed: <b>ISI WoS, Emerging Sources Citation Index</b>, Accession Number: <b>WOS:000523302500013</b></p>	n=2	0.4
30	<p>Relly Victoria Virgil Petrescu, <b>Florian Ion Tiberiu Petrescu*</b>, 2020. <a href="#">About the internal combustion engines forces</a>. Independent Journal of Management and Production, ISSN: 2236-269X. Volume: 11, Issue: 3, Pages: 807-832, DOI: dx.doi.org/10.14807/ijmp.v11i3.930</p>	n=2	0.4





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31	<b>Florian Ion Tiberiu Petrescu</b> , Rely Victoria Virgil Petrescu, Eleni Mimi Buzea, 2020. <a href="#">New natural antioxidants</a> . Independent Journal of Management and Production, ISSN: 2236-269X. Volume: 11, Issue: 3, Pages: 967-997, DOI: dx.doi.org/10.14807/ijmp.v11i3.938 <a href="http://www.ijmp.jor.br/index.php/ijmp/article/view/938">http://www.ijmp.jor.br/index.php/ijmp/article/view/938</a> Indexed: <b>ISI WoS, Emerging Sources Citation Index</b> , Accession Number: <b>WOS:000538569900009</b>	n=3	0.4	
32	Aversa, R; Petrescu, RVV; Apicella, A; <b>Petrescu, FIT.</b> *, 2020. Biologically structured materials. Independent Journal of Management and Production, ISSN: 2236-269X. Volume: 11, Issue: 4, Pages: 1119-1139, DOI: 10.14807/ijmp.v11i4.950. <a href="http://www.ijmp.jor.br/index.php/ijmp/article/view/950">http://www.ijmp.jor.br/index.php/ijmp/article/view/950</a> Indexed: <b>ISI WoS, Emerging Sources Citation Index</b> , Accession Number: <b>WOS:000560244000001</b>	n=4	0.3	
33	Aversa, R; Petrescu, RVV; Apicella, A; <b>Petrescu, FIT.</b> *, 2020. Trabecular prostheses. Independent Journal of Management and Production, ISSN: 2236-269X. Volume: 11, Issue: 4, Pages: 1223-1246, DOI: 10.14807/ijmp.v11i4.989. <a href="http://www.ijmp.jor.br/index.php/ijmp/article/view/989">http://www.ijmp.jor.br/index.php/ijmp/article/view/989</a> Indexed: <b>ISI WoS, Emerging Sources Citation Index</b> , Accession Number: <b>WOS:000560244000006</b>	n=4	0.3	
34	<b>Petrescu, FIT.</b> , Petrescu, RVV., 2020. Two methods to create free energy. Independent Journal of Management and Production, ISSN: 2236-269X. Volume: 11, Issue: 6, Pages: 1835-1855, DOI: 10.14807/ijmp.v11i6.992 <a href="http://www.ijmp.jor.br/index.php/ijmp/article/view/992">http://www.ijmp.jor.br/index.php/ijmp/article/view/992</a> Indexed: <b>ISI WoS, Emerging Sources Citation Index</b> , Accession Number: <b>WOS:000578640600006</b>	n=2	0.4	
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38	Aversa, R., Petrescu, RVV., Apicella, A., <b>Petrescu, FIT.</b> *, 2021. About biological hip joint prostheses and the biomechanical behavior of implanted femur. IJM&P., 12(8):2017-2044. DOI: 10.14807/ijmp.v12i8.958 Indexed: <b>ISI WoS, Emerging Sources Citation Index</b> , Accession Number: <b>WOS:000727056700001</b>	n=4	0.3	
39	Comanescu, A., Rotaru, A., <b>Petrescu, FIT.</b> , 2021. Study of forces in a 2T9R robot mechanism. IJM&P., 12(9):s741-s773. DOI: 10.14807/ijmp.v12i9.1554 Indexed: <b>ISI WoS, Emerging Sources Citation Index</b> , Accession Number: <b>WOS:000744179600001</b>	n=3	0.4	
40	Comanescu, A., Rotaru, A., Ungureanu, LM., <b>Petrescu, FIT.</b> , 2021. Inverse modeling of the stewart foot. IJM&P., 12(9):s774-s793. DOI: 10.14807/ijmp.v12i9.1557 Indexed: <b>ISI WoS, Emerging Sources Citation Index</b> , Accession Number: <b>WOS:000744179600003</b>	n=4	0.3	
41	Comanescu, A., Rotaru, A., Ungureanu, LM., <b>Petrescu, FIT.</b> , 2021. Positional modeling of the 2T6R robot mechanism. IJM&P., 12(9):s902-s921. DOI: 10.14807/ijmp.v12i9.1563 Indexed: <b>ISI WoS, Emerging</b>	n=4	0.3	



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A2.2	Articole si publicatii stiintifice BDI [4] neincluse la A2.1	Autor corespondent / prim autor <b>N3.1 = 45</b>		<b>N3.1=45</b>
		Co-autor <b>N3.2 = 5</b>		<b>N3.2=5</b>
	N3=50			
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		35	Aversa, Raffaella; Petrescu, Rely Victoria; Apicella, Antonio; <b>Petrescu, Florian Ion*</b> ; 2016 <a href="#">One Can Slow Down the Aging through Antioxidants</a> , American Journal of Engineering and Applied Sciences, 2016   journal-article, ISSN Online: 1941-7039, ISSN Print: 1941-7020, Volume 9 (2016), issue 4, pages: 1112-1126,	1



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		<b>36</b>	Aversa, Raffaella; Petrescu, Rely Victoria; Apicella, Antonio; <b>Petrescu, Florian Ion*</b> ; 2016 <a href="#">About Homeopathy or &lt;&lt;Similia Similibus Curentur&gt;&gt;</a> , American Journal of Engineering and Applied Sciences, 2016   journal-article, ISSN Online: 1941-7039, ISSN Print: 1941-7020, Volume 9 (2016), issue 4, pages: 1164-1172, DOI: 10.3844/ajeassp.2016.1164.1172 Retrieved from: <a href="http://thescipub.com/abstract/10.3844/ajeassp.2016.1164.1172">http://thescipub.com/abstract/10.3844/ajeassp.2016.1164.1172</a> Indexed: <b>Scopus</b>	1
		<b>37</b>	Aversa, Raffaella; Petrescu, Rely Victoria; Apicella, Antonio; <b>Petrescu, Florian Ion*</b> ; 2016 <a href="#">The Basic Elements of Life's</a> , American Journal of Engineering and Applied Sciences, 2016   journal-article, ISSN Online: 1941-7039, ISSN Print: 1941-7020, Volume 9 (2016), issue 4, pages: 1189-1197, DOI: 10.3844/ajeassp.2016.1189.1197 Retrieved from: <a href="http://thescipub.com/abstract/10.3844/ajeassp.2016.1189.1197">http://thescipub.com/abstract/10.3844/ajeassp.2016.1189.1197</a> Indexed: <b>Scopus</b>	1
		<b>38</b>	Aversa, Raffaella; <b>Petrescu, Florian Ion T.*</b> ; Petrescu, Rely Victoria; Apicella, Antonio; 2016 <a href="#">Flexible Stem Trabecular Prostheses</a> , American Journal of Engineering and Applied Sciences, 2016   journal-article, ISSN Online: 1941-7039, ISSN Print: 1941-7020, Volume 9 (2016), issue 4, pages: 1213-1221, DOI: 10.3844/ajeassp.2016.1213.1221 Retrieved from: <a href="http://thescipub.com/abstract/10.3844/ajeassp.2016.1213.1221">http://thescipub.com/abstract/10.3844/ajeassp.2016.1213.1221</a> Indexed: <b>Scopus</b>	1
		<b>39</b>	Berto, Filippo; Petrescu, Rely Victoria V.; <b>Petrescu, Florian Ion T.</b> ; 2016 <a href="#">A Review of Recent Results on 3D Effects</a> , American Journal of Engineering and Applied Sciences, 2016   journal-article, ISSN Online: 1941-7039, ISSN Print: 1941-7020, Volume 9 (2016), issue 4, pages: 1247-1260, DOI: 10.3844/ajeassp.2016.1247.1260 Retrieved from: <a href="http://thescipub.com/abstract/10.3844/ajeassp.2016.1247.1260">http://thescipub.com/abstract/10.3844/ajeassp.2016.1247.1260</a> Indexed: <b>Scopus</b>	1
		<b>40</b>	Berto, Filippo; Petrescu, Rely Victoria V.; <b>Petrescu, Florian Ion T.</b> ; 2016 <a href="#">Three-Dimensional in Bonded Joints: A Short Review</a> , American Journal of Engineering and Applied Sciences, 2016   journal-article, ISSN Online: 1941-7039, ISSN Print: 1941-7020, Volume 9 (2016), issue 4, pages: 1261-1268, DOI: 10.3844/ajeassp.2016.1261.1268 Retrieved from: <a href="http://thescipub.com/abstract/10.3844/ajeassp.2016.1261.1268">http://thescipub.com/abstract/10.3844/ajeassp.2016.1261.1268</a> Indexed: <b>Scopus</b>	1
		<b>41</b>	Berto, Filippo; Gagani, Abedin; Petrescu, Rely Victoria V.; <b>Petrescu, Florian Ion T.</b> ; 2016 <a href="#">Key-Hole Notches in Isostatic Graphite: A Review of Some Recent Data</a> , American Journal of Engineering and Applied Sciences, 2016   journal-article, ISSN Online: 1941-7039, ISSN Print: 1941-7020, Volume 9 (2016), issue 4, pages: 1292-1300, DOI: 10.3844/ajeassp.2016.1292.1300 Retrieved from: <a href="http://thescipub.com/abstract/10.3844/ajeassp.2016.1292.1300">http://thescipub.com/abstract/10.3844/ajeassp.2016.1292.1300</a> Indexed: <b>Scopus</b>	1
		<b>42</b>	Berto, Filippo; Gagani, Abedin; Aversa, Raffaella; Petrescu, Rely Victoria V.; Apicella, Antonio; <b>Petrescu, Florian Ion T.</b> ; 2016 <a href="#">Multiaxial Fatigue Strength to Notched specimens made of 40CrMoV13.9</a> , American Journal of Engineering and Applied Sciences, 2016   journal-article, ISSN Online: 1941-7039, ISSN Print: 1941-7020, Volume 9 (2016), issue 4, pages: 1269-1291, DOI: 10.3844/ajeassp.2016.1269.1291 Retrieved from: <a href="http://thescipub.com/abstract/10.3844/ajeassp.2016.1269.1291">http://thescipub.com/abstract/10.3844/ajeassp.2016.1269.1291</a> Indexed: <b>Scopus</b>	1
		<b>43</b>	Aversa, Raffaella; Petrescu, Rely Victoria; Apicella, Antonio; <b>Petrescu, Florian Ion Tiberiu*</b> ; 2017 <a href="#">Under Water</a> , OnLine Journal of Biological Sciences, vol. 17, nr. 2, pag. 70-87. DOI: 10.3844/ojbsci.2017.70.87, ISSN Print: 1608-4217 <a href="https://thescipub.com/abstract/10.3844/ojbsci.2017.70.87">https://thescipub.com/abstract/10.3844/ojbsci.2017.70.87</a> Indexed: <b>Scopus</b>	1
		<b>44</b>	Aversa, Raffaella; Petrescu, Rely Victoria V.; Apicella, Antonio; <b>Petrescu, Florian Ion T.*</b> ; 2017 <a href="#">Nano-Diamond Hybrid Materials for Structural Biomedical Application</a> , American Journal of Biochemistry and Biotechnology, vol.13, nr. 1, pag. 34-41. DOI: 10.3844/ajbbbsp.2017.34.41, ISSN Print: 1553-3468, ISSN Online: 1558-6332, <a href="https://thescipub.com/abstract/10.3844/ajbbbsp.2017.34.41">https://thescipub.com/abstract/10.3844/ajbbbsp.2017.34.41</a> Indexed: <b>Scopus</b>	1
		<b>45</b>	Syed, Jamaluddin; Dharrab, Ayman Al.; Zafa, Muhammad S.; Khand, Erum; Aversa, Raffaella; Petrescu, Rely Victoria V.; Apicella, Antonio; <b>Petrescu, Florian Ion T.*</b> ; 2017 <a href="#">Influence of Curing Light Type and Staining Medium on the Discoloring Stability of Dental Restorative Composite</a> , American Journal of Biochemistry and Biotechnology vol. 13, nr. 1, pag. 42-50. DOI: 10.3844/ajbbbsp.2017.42.50, , ISSN Print: 1553-3468, ISSN Online: 1558-6332, <a href="https://thescipub.com/abstract/10.3844/ajbbbsp.2017.42.50">https://thescipub.com/abstract/10.3844/ajbbbsp.2017.42.50</a> Indexed: <b>Scopus</b>	1



		<b>46</b>	Aversa, R., Petrescu, R.V., Apicella, A., <b>Petrescu, F.I.T.*</b> , 2017. <a href="#">Some proposed solutions to achieve nuclear fusion</a> , Physics AUC, vol. 27, nr. 1, pag. 23-31. ISSN: 1223-6039. Indexed <b>Scopus</b> . <a href="http://cis01.central.ucv.ro/pauc/vol/2017_27/4_2017.pdf">http://cis01.central.ucv.ro/pauc/vol/2017_27/4_2017.pdf</a>	1
		<b>47</b>	Relly Victoria Virgil Petrescu, Raffaella Aversa, Antonio Apicella and <b>Florian Ion Tiberiu Petrescu*</b> , 2019. <a href="#">Some Aspects of the Human Body's Hydraulics</a> . OnLine Journal of Biological Sciences, Volume 19, Issue 3, Pages 159-185. DOI: 10.3844/ojbsci.2019.159.185. ISSN 1608-4217. Indexed <b>Scopus</b> . <a href="https://thescpub.com/abstract/10.3844/ojbsci.2019.159.185">https://thescpub.com/abstract/10.3844/ojbsci.2019.159.185</a>	1
		<b>48</b>	Relly Victoria Virgil Petrescu, Raffaella Aversa, Antonio Apicella and <b>Florian Ion Tiberiu Petrescu*</b> , 2020. <a href="#">Presents some Biologically Structured Materials</a> . OnLine Journal of Biological Sciences, Volume 20, Issue 1, Pages 8-36. DOI: 10.3844/ojbsci.2020.8.36. ISSN 1608-4217. Indexed <b>Scopus</b> <a href="https://thescpub.com/abstract/10.3844/ojbsci.2020.8.36">https://thescpub.com/abstract/10.3844/ojbsci.2020.8.36</a>	1
		<b>49</b>	Petrescu, R. V. V., Aversa, R., Perrotta, V., Ungureanu, L. M., Apicella, A. & <b>Petrescu, F. I. T.</b> (2021). News in Bone Modeling for Customized Hybrid Biological Prostheses Development. OnLine Journal of Biological Sciences, 21(2), 285-316. <a href="https://doi.org/10.3844/ojbsci.2021.285.316">https://doi.org/10.3844/ojbsci.2021.285.316</a> Indexed <b>Scopus</b>	1
		<b>50</b>	<b>Petrescu, F. I. T.</b> & Ungureanu, L. M. (2022). About the Cyanobacteria and Stromatolites. OnLine Journal of Biological Sciences, 22(1), 87-111. <a href="https://doi.org/10.3844/ojbsci.2022.87.111">https://doi.org/10.3844/ojbsci.2022.87.111</a> Indexed <b>Scopus</b>	1

<b>A2.5</b>	<b>Monografiile / cărți de specialitate [2], format tiparit / electronic (min. 100 pag.) Coordonator /prim autor N4.3=1 co-autor N4.4=1; N4=2</b>				
	<b>1</b>	<b>FI Petrescu</b> , Teoria mecanismelor. Printech 2019, ISBN 978-606-23-1007-3, cod CNCISIS 62, 306 pag., <b>CIP NR. 23076/23.10.2019</b>	306	1	
<b>Co-autor</b>	<b>2</b>	Greco B., <b>Petrescu, F.</b> , s.a., Mecanisme Plane – lucrări pentru laborator și proiect. Editura BREN, Bucuresti, ISBN 978-973-648-697-5, 191 pag., cod CNCISIS 96, 2007.	191	1	

<b>3</b>	<b>Recunoasterea și impactul activității - RIA (A3); S1=28.263; S2=25.355; S=53.618</b>				
	<b>A3.1</b>	<b>Atragere resurse financiare prin granturi / proiecte / contracte terți</b>			
	<b>S1</b>	Director sau responsabil partener la grant / <b>proiect castigat prin competitie nationala sau internationala; S1=suma echivalenta in mii Euro [8]</b>			<b>28.263</b>
		<b>1</b>	Contract de subcontractare servicii, S.C. EDG CONSULT S.R.L. Str. Vasile Conta, bl. U3, ap. 22, Municipiul Craiova, Dolj, reprezentata prin Petrescu Catalin Doru, si Universitatea Politehnica din Bucuresti, reprezentata prin Mihnea Costoiu, Rector, Doina Adamescu, Director economic, si <b>Florian Ion Petrescu, responsabil contract</b> , Nr. 1190/05.04.2018. in valoare de 11900 lei. Obiectul contractului=Studiu de Trafic in orasul Valenii de Munte. FACT/6/31.07.2018, INCASARE FACT 6/19-06-2018; 11,900.00 lei.	2.975	
		<b>2</b>	Contract de subcontractare servicii, S.C. EDG CONSULT S.R.L. Str. Vasile Conta, bl. U3, ap. 22, Municipiul Craiova, Dolj, reprezentata prin Petrescu Catalin Doru, si Universitatea Politehnica din Bucuresti, reprezentata prin Mihnea Costoiu, Rector, Doina Adamescu, Director economic, si <b>Florian Ion Petrescu, responsabil contract</b> , Nr. 1365/10.08.2018. in valoare de 17850 lei. Obiectul contractului=Studiu de Trafic si analiza emisiilor GES in Municipiul Slobozia. FACT/10/27.02.2019, INCASARE FACT 10/15-02-2019; 17,850.00 lei.	4.463	
		<b>3</b>	Contract de subcontractare servicii, S.C. EDG CONSULT S.R.L. Str. Vasile Conta, bl. U3, ap. 22, Municipiul Craiova, Dolj, reprezentata prin Petrescu Catalin Doru, si Universitatea Politehnica din Bucuresti, reprezentata prin Mihnea Costoiu, Rector, Doina Adamescu, Director economic, si <b>Florian Ion Petrescu, responsabil contract</b> , Nr. 1630/14.02.2019. in valoare de 11900 lei. Obiectul contractului=Studiu de strategie a alimentarii cu energie termica in sistem centralizat a consumatorilor din Municipiul Craiova. FACT/12/15.04.2019, INCASARE FACT 12 SI 13/15.04.2019; 23,800.00 lei.	2.975	
		<b>4</b>	Contract de subcontractare servicii, S.C. EDG CONSULT S.R.L. Str. Vasile	2.975	



				Conta, bl. U3, ap. 22, Municipiul Craiova, Dolj, reprezentata prin Petrescu Catalin Doru, si Universitatea Politehnica din Bucuresti, reprezentata prin Mihnea Costoiu, Rector, Doina Adamescu, Director economic, si <b>Florian Ion Petrescu, responsabil contract</b> , Nr. 1665/05.03.2019. in valoare de 11900 lei. Obiectul contractului=Studiul de oportunitate privind fundamentarea deciziei de concesiune a serviciului de alimentare cu energie termică în Municipiul Craiova. FACT/13/17.04.2019, INCASARE FACT 12 SI 13/15.04.2019; 23,800.00 lei.			
			5	Contract de subcontractare servicii, S.C. EDG CONSULT S.R.L. Str. Vasile Conta, bl. U3, ap. 22, Municipiul Craiova, Dolj, reprezentata prin Petrescu Catalin Doru, si Universitatea Politehnica din Bucuresti, reprezentata prin Mihnea Costoiu, Rector, Doina Adamescu, Director economic, si <b>Florian Ion Petrescu, Director contract</b> , Nr. 2073/13.12.2019. in valoare de 11900 lei. Obiectul prezentului contract este achiziția publică de servicii de consultanță profesională pentru elaborarea Studiului de Oportunitate din cadrul documentației de delegare a gestiunii unor activități componente ale Serviciului de Salubritate a Municipiului Tulcea, pe care prestatorul se obligă să le realizeze în conformitate cu prevederile din prezentul contract și anexele acestuia. FACT/16/25.03.2020, incasare factura 16/25.03.2020; 11,900.00 lei.		2.975	
			6	Contract de subcontractare servicii, S.C. EDG CONSULT S.R.L. Str. Vasile Conta, bl. U3, ap. 22, Municipiul Craiova, Dolj, reprezentata prin Petrescu Catalin Doru, si Universitatea Politehnica din Bucuresti, reprezentata prin Mihnea Costoiu, Rector, Doina Adamescu, Director economic, si <b>Florian Ion Petrescu, Director contract</b> , Nr. 3180/28.10.2021. in valoare de 11900 lei. Obiectul prezentului contract este servicii de consultanță tehnică de specialitate vizând reactualizarea Strategiei Locale de Alimentare cu Energie Termică la nivelul Municipiului Botoșani pentru perioada 2022-2028. FACT/16/25.03.2020, incasare factura 16/25.03.2020; 11,900.00 lei.		2.975	
			7	Contract de subcontractare servicii, S.C. EDG CONSULT S.R.L. Str. Vasile Conta, bl. U3, ap. 22, Municipiul Craiova, Dolj, reprezentata prin Petrescu Catalin Doru, si Universitatea Politehnica din Bucuresti, reprezentata prin Mihnea Costoiu, Rector, Doina Adamescu, Director economic, si <b>Florian Ion Petrescu, Director contract</b> , Nr. 3281/03.01.2022. in valoare de 11900 lei. Obiectul prezentului contract este executarea unor servicii de consultanță tehnică de specialitate vizând elaborarea Strategiei de alimentare cu energie termică în sistem centralizat a consumatorilor din Municipiul Craiova. FACT/16/25.03.2020, incasare factura 16/25.03.2020; 11,900.00 lei.		2.975	
			8	Contract de subcontractare servicii, S.C. EDG CONSULT S.R.L. Str. Vasile Conta, bl. U3, ap. 22, Municipiul Craiova, Dolj, reprezentata prin Petrescu Catalin Doru, si Universitatea Politehnica din Bucuresti, reprezentata prin Mihnea Costoiu, Rector, Doina Adamescu, Director economic, si <b>Florian Ion Petrescu, Director contract</b> , Nr. 3312/20.01.2022. in valoare de 23800 lei. Obiectul prezentului contract constă în prestarea de servicii de consultanță tehnică de specialitate vizând prezentarea unei sinteze asupra fluxurilor de transport și trafic de marfă la nivelul național și evaluarea potențialului pieței de mărfuri care poate fi accesată de centrul logistic multimodal și analiza industriilor/sectoarelor de activitate care pot fi atrase de către centrul logistic multimodal, în cadrul studiului de piață în vederea dezvoltării unui centru logistic multimodal amplasat în zona metropolitană Craiova, dedicat transportului de marfă. FACT/16/25.03.2020, incasare factura 16/25.03.2020; 23,800.00 lei.		5.950	
	<b>A3.1</b>	<b>Atragere resurse financiare prin granturi / proiecte / contracte terți; S2=25.355</b>					
	<b>S2</b>	Membru in echipa la grant / proiect castigat prin competitie nationala sau internationala, proiecte/ contracte terți					<b>25.355</b>
			1	<b>Contract de cercetare-integrare din 4 septembrie 1987, nr. 36-5-4 D/1986 din 24IV 1985. Beneficiar CNST. Suma= 45000 lei. Tema:</b> Cercetări pentru îmbunătățirea mecanismelor de distribuție de la automobile, prin sinteza dinamică optimizată a mecanismelor de distribuție, cu realizarea unor noi legi de mișcare impuse tachelului de către profilul		11.250	





				camei rotative și determinarea parametrilor optimi de reglare și funcționare dinamică pentru mecanismele supapelor, prin optimizarea prestrângerii arcului de la talerul supapei și a valorii coeficientului de elasticitate al arcului supapei.	
			2	<b>Contract de cercetare-integrare din 24 mai 1988, nr. 27-6-5. Beneficiar ICSITA Pitesti. Suma= 26420 lei. Tema:</b> Reducerea zgomotului la autoturismul Dacia. Studiul transmisibilității vibrațiilor și zgomotelor de la motor către caroserie, și măsuri pentru limitarea vibrațiilor și zgomotelor suportate de pasageri. Studiul diferitelor tipuri de tampoane pentru prinderea motorului de șasiu, limitarea zgomotelor prin utilizarea unor materiale speciale absorbante și implementarea unui dispozitiv de eșapare modernizat.	6.605
			3	<b>Contract de cercetare-integrare din 14 ianuarie 1989, nr. 27-7-7 din 1987. Beneficiar Institutul Central de Constructii de Masini. Suma= 30000 lei. Tema:</b> Cercetări în vederea reducerii masei proprii și creșterea fiabilității structurilor de rezistență pentru autobuze.	7.500

**A32. Prezentarea / Diseminarea rezultatelor: prezenta la manifestari stiintifice in calitate de autor/co-autor de lucrari, profesor invitat**

<b>Congrese/conferinte/workshopuri internationale, profesor invitat la universitati / institute din strainatate</b>		<b>N5</b>	<b>49</b>
49	Guest Editor at a Special Issue "Nanostructured Materials for Energy Applications", with online conference and workshop, 2019-2020. <a href="https://www.mdpi.com/journal/nanomaterials/special_issues/energy_app">https://www.mdpi.com/journal/nanomaterials/special_issues/energy_app</a>		1
48	Guest Editor at a Special Issue "Nanostructured Materials for Energy Applications", with online conference and workshop, 2021-2022. <a href="https://www.mdpi.com/journal/materials/special_issues/nano_material_energy_application">https://www.mdpi.com/journal/materials/special_issues/nano_material_energy_application</a>		1
47	Author invited. Hydrogen Production and Degradation of Antibiotics Using Silver-Based TiO2 and ZnO Catalysts, Applied Nanotechnology and Nanoscience International Conference 2021, 24 - 26 March 2021, Paris, France.		1
46	Guest Editor at a Special Issue "Modelling of Aerospace Vehicle Dynamics", with online conference and workshop, 2019-2020. <a href="https://www.mdpi.com/journal/energies/special_issues/Modelling_Aerospace_Vehicle_Dynamics">https://www.mdpi.com/journal/energies/special_issues/Modelling_Aerospace_Vehicle_Dynamics</a>		1
45	6 <sup>th</sup> International Research Symposium on Engineering and Technology, July 21 - July 24 /London /2020. Invited as editor-in-chief of the journal AJEAS, which publishes part of the conference papers. <a href="http://irset-conf.org/single_page.php?id=11">http://irset-conf.org/single_page.php?id=11</a>		1
44	Membriu invitat în comisie de doctorat în străinătate cu simpozion și workshop (Nume doctorand, Universitatea), Francesco Tamburrino, Second University of Naples, Italy, 2016.		1
43	ICRMET 2014 – Conference in Chennai on December 10-11, 2014, Invited member in JOURNAL REVIEW COMMITTEE; available on: <a href="http://fests.info/conferences/icrmet-2014-conference-chennai-december-10-11-2014.html/">http://fests.info/conferences/icrmet-2014-conference-chennai-december-10-11-2014.html/</a>		1
42	C.E.R.T. – Center for Energy Research and Technology. Invited as editor-in-chief of the journal AJEAS, which publishes part of the conference papers. <a href="https://www.ncleg.gov/documents/sites/committees/BCCI-6576/2013-2014/7%20-%20April%201,%202014/Presentations%20and%20Handouts/5a%20-%20Tesiero%20-%20NCA&amp;T%20CERT.pdf">https://www.ncleg.gov/documents/sites/committees/BCCI-6576/2013-2014/7%20-%20April%201,%202014/Presentations%20and%20Handouts/5a%20-%20Tesiero%20-%20NCA&amp;T%20CERT.pdf</a>		1
41	Author invited. Petrescu, F.I., Some Applications in Laser Field In the 3rd International Conference “Advanced Composite Materials Engineering”, COMAT 2010, October 2010, Brasov, Romania, and International Conference “Research & Innovation in Engineering”, Vol. 2, p. 187-192, ISSN 1844-9336, 2010. Available on: <a href="http://mecanica.unitbv.ro/COMAT2010/">http://mecanica.unitbv.ro/COMAT2010/</a> , B+.		1
40	Author invited. Petrescu, F.I., The Movement of an Electron Around The Atomic Nucleus In the International Conference of Mechanical Engineering ICOME 2010 Proceedings, Tome 2, p. 1053-1060, ISBN 978-606-510-878-3, Editura Universitaria Craiova, CNCSIS 130, 2010 (ISI Conference). Available on: <a href="http://www.iftomm.org/index.php?option=com_content&amp;view=article&amp;id=33:previous-iftomm-sponsored-conferences&amp;catid=13&amp;Itemid=141">http://www.iftomm.org/index.php?option=com_content&amp;view=article&amp;id=33:previous-iftomm-sponsored-conferences&amp;catid=13&amp;Itemid=141</a>		1
39	Author invited. Petrescu, F.I., Petrescu, R.V., Grecu, B., Otto Engine Dynamics In the International Conference of Mechanical Engineering ICOME 2010 Proceedings, Tome 2, p. 683-688, ISBN 978-606-510-878-3, Editura Universitaria Craiova, CNCSIS 130, 2010 (ISI Conference). Available on: <a href="http://www.iftomm.org/index.php?option=com_content&amp;view=article&amp;id=33:previous-iftomm-sponsored-conferences&amp;catid=13&amp;Itemid=141">http://www.iftomm.org/index.php?option=com_content&amp;view=article&amp;id=33:previous-iftomm-sponsored-conferences&amp;catid=13&amp;Itemid=141</a>		1



38	Author invited. Petrescu, F.I., New Aircraft. In the 3rd International Conference on Computational Mechanics and Virtual Engineering, COMEC 2009, p. 526-531, ISBN 978-973-598-572-1, Edit. UTB, cod CNCSIS 81, B, Brașov, October 2009	1
37	Author invited. Petrescu, F.I., Grecu, B., Comănescu, A., Petrescu, R.V., Some Mechanical Design Elements. In the 3rd International Conference on Computational Mechanics and Virtual Engineering, COMEC 2009, p. 520-525, ISBN 978-973-598-572-1, Edit. UTB, cod CNCSIS 81, B, Brașov, October 2009.	1
36	Author invited. Popescu, N., Petrescu, R.V., Petrescu, F.I., Cam Gear Design. In the 3rd International Conference on Engineering Graphics and Design, ICEGD2009, Acta Technica Napocensis, Series: Applied Mathematics and Mechanics, CNCSIS 118 B, Vol. 52, Nr. Ia, p. 215-220, ISSN 1221-5872, Cluj-Napoca, 2009, (Indexed: zbMATH), IF 4,342.	1
35	Key speaker and Author invited. Petrescu, R.V., Petrescu, F.I., Geared Transmissions Design. In the 3rd International Conference on Engineering Graphics and Design, ICEGD2009, Acta Technica Napocensis, Series: Applied Mathematics and Mechanics, CNCSIS 118 B, Vol. 52, Nr. Ib, p. 541-544, ISSN 1221-5872, Cluj-Napoca, 2009, (Indexed: zbMATH), IF 4,342.	1
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	<b>C=C1+SFI</b>	<b>C1=numarul de citari; SFI= suma factorilor de impact al publicatiilor WOS in care apar citarile</b>	
<b>Observație! Au fost trecute doar citările WOS cu Factor de Impact (fără cele wos care nu au factor de impact, fără citările scopus sau alte BDI).</b>			
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