

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI  
 FACULTATEA DE INGINERIE ELECTRICĂ, ENERGETICĂ ȘI INFORMATICĂ APLICATĂ  
 DEPARTAMENTUL DE UTILIZĂRI, ACȚIONĂRI ȘI AUTOMATIZĂRI INDUSTRIALE  
 Concurs pentru ocuparea postului de **Conferențiar**, poz. 7

Disciplinele postului: Bazele creației tehnice  
 Circuite integrate analogice  
 Etică și integritate

## FIȘA DE VERIFICARE

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

publicat în Monitorul Oficial al României, Partea a III-a, nr. 1400 din data de 26.11.2019

Candidat: **Nițucă Costică** / Data nașterii: **03.01.1966**, Funcția actuală: **șef de lucrări dr.ing.**, Data numirii în funcția actuală: **H.S. din 10.02.2004 / Adeverință Nr. 1 825/11.02.2004 ///** (H.S. Nr.113/28.09.2012) Instituția: **Universitatea Tehnică "Gheorghe Asachi" din Iași, Facultatea de Inginerie Electrică, Energetică și Informatică Aplicată**

Activitatea didactică/profesională (A <sub>1</sub> )				
1.1	Cărți și capitole în cărți de specialitate			
	1.1.1	Cărți cu ISBN/capitole ca autor: <b>Conferențiar minimum 2</b>		
		1.1.1.1.	Internaționale	Nr. pag./ (2*nr. autor)
		1	T. Stanciu, <b>C. Nițucă</b> , <i>Didactics of technical subjects</i> , Editura Tehnica-Info, Chișinău, R. Moldova, 2006, 312 pagini, ISBN 9978-9975-910-13-2.	312/(2*2)= <b>78</b>
		1.1.1.2.	Naționale	Nr. pag./ (5*nr. autor)
		1	<b>C. Nițucă</b> , <i>Tehnica muncii intelectuale</i> , Editura Tehnopress, Iași, 2016, 190 pagini, ISBN 978-606-687-292-8.	190/(5*1)= <b>38</b>
		2	<b>C. Nițucă</b> , <i>Alimentarea și captarea energiei electrice în tracțiunea feroviară</i> , Editura Performantica, Iași, 2009, 260 pagini, ISBN 978-973-730-628-9.	260/(5*1)= <b>52</b>
		3	L. Cantemir, <b>C. Nițucă</b> , V. Dulgheru, Maria I. Carcea, Mariana N. Iftimie, <i>Inițiere în creativitate tehnică, Vol. I</i> , Editura Tehnica Info, Chișinău, 2008, 278 pagini, ISBN 978-9975-63-066-5.	278/(5*5)= <b>11,12</b>
		4	<b>C. Nițucă</b> , T. Stanciu, <i>Didactica disciplinelor tehnice</i> , Editura Performantica, Iași, 2006, 306 pagini, ISBN (10): 973-730-311-3, ISBN (13): 978-973-730-311-0.	306/(5*2)= <b>30,6</b>
	1.1.2	Cărți/ capitole de cărți ca editor/coordonator		

		1.1.2.1.	Internațional	Nr. pag./ (3*nr. autori)	
		1.1.2.2.	Național	Nr. pag./ (7*nr. autori)	
1.2	Suport didactic				
	1.2.1	Suport de curs inclusiv electronic: <b>Conferențiar minimum 1</b>			Nr. pag./ (10*nr. autor)
		1	<b>C. Nițucă</b> , <i>Circuite integrate analogice. Note de curs</i> , Editura Tehnopress, Iași, 2019, 144 pagini, ISBN 978-606-687-397-0.	144/(10*1)= <b>14,4</b>	
	1.2.2	Îndrumare de laborator /aplicații: <b>Conferențiar minimum 1</b>			Nr. pag./ (20*nr. autori)
		1	<b>C. Nițucă</b> , <i>Bazele creației tehnice. Îndrumar</i> , Editura Tehnopress, Iași, 2019, 146 pagini, ISBN 978-606-687-398-7.	146/(20*1)= <b>7,3</b>	
		2	Elena Tiron (coord), <i>Educația centrată pe elev/student. Îndrumar</i> , <b>C. Nițucă</b> (Coordonator capitol - formator: <i>Specialitate și didactica specialității centrată pe elev/student</i> , pp. 47-117, 70 pagini), Editura Performantica, Iași, 2012, ISBN 978-973-730-938-9.	70/(20*1)= <b>3,5</b>	
		3	<b>C. Nițucă</b> , Maria I. Carcea, <i>Caiet de practică pedagogică desfășurată</i> , Editura Performantica, Iași, 2006, 104 pagini, ISBN 973-730-185-4	104/(20*2)= <b>2,6</b>	
1.3.	Coordonare de programe de studii, organizare si coordonare programe de formare continua si proiecte educaționale (POS, ERASMUS, sa)				
				-	
Total Activitatea didactică/profesională (A <sub>1</sub> )					237,52
Activitatea de cercetare (A2)					
2.1.	Articole în extenso în reviste cotate WOS Thomson Reuters <sup>[1]</sup> în volume proceedings indexate WOS Thomson-Reuters si brevete de invenție WOS Derwent				
	<b>Conferențiar - minimum 7 articole din care minimum 2 ca prim autor si mimimum 2 in reviste</b>				(25+20*factor impact <sup>[2]</sup> ) / nr. autori
	1	<b>C. Nițucă</b> , G. Chiriac, D. Cuciureanu, C. Dumitrescu, Guoqiang Zhang, Dong Han, A. Plesca, <i>Thermal modeling of a linear induction motor used to drive a power supply system for an electric locomotive</i> , Thermal Science 2018, Volume: 23, Issue: 2, pp. 589-598, part. A, DOI: 10.2298/TSCI180420190N, Impact factor: 1.541, 2019. Accession Number: WOS:000462414100015, Document Type: Article. (Indexat WOS, Scopus).			(25+20*1,541)/7= <b>7,974</b>
	2	<b>C. Nițucă</b> , G. Chiriac, D. Cuciureanu, Guoqiang Zhang, Dong Han, A. Plesca, <i>Numerical Analysis of a Real Photovoltaic Module with Various Parameters</i> , Modelling And Simulation In Engineering, Article Number: 7329014, DOI: 10.1155/2018/7329014, Published: 2018. Accession Number: WOS:000429430400001, Document Type: Article. (Indexat WOS, Scopus).			(25+20*0)/6= <b>4,166</b>
	3	<b>C. Nițucă</b> , <i>Thermal analysis of electrical contacts from pantograph–catenary system for power supply of electric vehicles</i> , <a href="#">Electric Power Systems Research</a> , Volume 96, March 2013, Pages: 211–217. Doi: <a href="https://doi.org/10.1016/j.epsr.2012.11.009">dx.doi.org/10.1016/j.epsr.2012.11.009</a> , Factor de impact 1.595, Published 2013. Accession Number: WOS:000315612100025, Document Type: Article. (Indexat WOS, Science Direct, Scopus).			(25+20*1,595)/1= <b>56,9</b>
	4	<b>C. Nițucă</b> , G. Chiriac, C. I. Gatu, D. Cuciureanu, I. Murgescu, <i>Laboratory Off-Grid Photovoltaic System with Two Axes</i>			(25+20*0)/5=

		<i>Orientation</i> , 10th International Conference and Exposition on Electrical and Power Engineering (EPE), 2018, Location: Iasi, ROMANIA, Date: OCT 18-19, 2018, Book Series: International Conference and Exposition on Electrical and Power Engineering, Pages: 846-849, Published: 2018. Accession Number: WOS:000458752200165, Document Type: Proceedings Paper. ( <b>Indexat WOS, Scopus, IEEE Xplore</b> ).	<b>5</b>
5		<b>C. Nițucă</b> , G. Chiriac, C. I. Gatu, D. Cuciureanu, I. Murgescu, <i>Design and Experimental Studies on Laboratory Photovoltaic Concept for Mechatronics System of Solar Electric Application</i> , 10th International Conference and Exposition on Electrical and Power Engineering (EPE), 2018, Location: Iasi, ROMANIA, Date: OCT 18-19, 2018, Book Series: International Conference and Exposition on Electrical and Power Engineering, Pages: 932-936, Published: 2018. Accession Number: WOS:000458752200182, Document Type: Proceedings Paper. ( <b>Indexat WOS, Scopus, IEEE Xplore</b> ).	$(25+20*0)/5=$ <b>5</b>
6		Șt. Patrichi, <b>C. Nițucă</b> , G. Chiriac, A. Pleșca, Z. Liu, Y. Geng, <i>Simulating Thermal Phenomena Occurring in Fast Electric Fuses Used for Power Electronic Protection</i> , 10th International Conference and Exposition on Electrical and Power Engineering (EPE), 2018, Location: Iasi, ROMANIA, Date: OCT 18-19, 2018, Book Series: International Conference and Exposition on Electrical and Power Engineering, Pages: 910-915, Published: 2018. Accession Number: WOS:000458752200178, Document Type: Proceedings Paper. ( <b>Indexat WOS, Scopus, IEEE Xplore</b> ).	$(25+20*0)/6=$ <b>4,166</b>
7		Șt. Patrichi, A. Pleșca, <b>C. Nițucă</b> , G. Chiriac, J. Wang, X. Huang, <i>Thermal Modeling and Simulations for Fast Electric Fuses</i> , 10th International Conference and Exposition on Electrical and Power Engineering (EPE), 2018, Location: Iasi, ROMANIA, Date: OCT 18-19, 2018, Book Series: International Conference and Exposition on Electrical and Power Engineering, Pages: 920-923, Published: 2018. Accession Number: WOS:000458752200180, Document Type: Proceedings Paper. ( <b>Indexat WOS, Scopus, IEEE Xplore</b> ).	$(25+20*0)/6=$ <b>4,166</b>
8		G. Chiriac, <b>C. Nițucă</b> , D. Cuciureanu, I. Murgescu, <i>Analysis of Hot-Spots Effects on the Performances of a Photovoltaic System Used in Romania</i> , Conference: 2017 International Conference on Electromechanical and Power Systems (SIEMEN), Location: Iasi, ROMANIA, Date: OCT 11-13, 2017, Pages: 239-244, Published: 2017. Accession Number: WOS:000426906000047, Document Type: Proceedings Paper. ( <b>Indexat WOS, Scopus, IEEE Xplore</b> ).	$(25+20*0)/4=$ <b>6,25</b>
9		D. Cuciureanu, <b>C. Nițucă</b> , G. Chiriac, D. Sticea, <i>Analysis of the Photovoltaic Panels Currently in Use in Different Locations</i> , Conference: 2017, 9th International Conference and Exposition on Electrical and Power Engineering (EPE), Location: Iasi, ROMANIA, Date: OCT 20-22, 2016, Pages: 888-893, Published: 2016. Accession Number: WOS:000390706300174, Document Type: Proceedings Paper. ( <b>Indexat WOS, Scopus, IEEE Xplore</b> ).	$(25+20*0)/4=$ <b>6,25</b>
10		<b>C. Nițucă</b> , Magdalena Iorga, <i>The Importance of Training Trainers Using Education Soft and Technologies</i> , Conference: 16th International Conference on Modern Technologies, Quality and Innovation, Location: Sinaia, ROMANIA, Date: MAY 24-26, 2012, Book Series: International Conference ModTech Proceedings, Pages: 681-684, Published: 2012. Accession Number: WOS:000392261800171, Document Type: Proceedings Paper. ( <b>Indexat WOS</b> ).	$(25+20*0)/2=$ <b>12,5</b>
11		<b>C. Nițucă</b> , T. Stanciu, <i>Core competencies in a changing educational environment essential in the act of teaching technical and technological subjects</i> , Conference: 5th International Conference on Manufacturing Science and Education on Creative Thinking in Engineering and Academic Education, Location: Sibiu, ROMANIA, Date: JUN 02-05, 2011, VOL II, Book Series: Proceedings of the International Conference on Manufacturing Science and Education, Pages: 47-50, Published: 2011. Accession Number: WOS:000393733900012, Document Type: Proceedings Paper. ( <b>Indexat WOS</b> ).	$(25+20*0)/2=$ <b>12,5</b>
12		<b>C. Nițucă</b> , T. Stanciu, <i>Study case for teaching in a e-learning open source environment</i> , Conference: 5th International Conference on Manufacturing Science and Education on Creative Thinking in Engineering and Academic Education, Location: Sibiu, ROMANIA, Date: JUN 02-05, 2011, VOL II, Book Series: Proceedings of the International Conference on Manufacturing Science and Education, Pages: 101-104, Published: 2011. Accession Number: WOS:000393733900025, Document Type: Proceedings Paper. ( <b>Indexat WOS</b> ).	$(25+20*0)/2=$ <b>12,5</b>
13		L. Cantemir, A. Rachid, <b>C. Nițucă</b> , I.C. Bărbântă, G. Chiriac, A.P. Alexandrescu, <i>Echipament de acționare electromagnetică a</i>	$(25+20*0)/6=$

		unui culegător de curent de tip pantograf, <b>Brevet de invenție</b> Nr. 128199, RO 128199 B1, Data depozit 23.08.2011, Data eliberării 28.02.2018.	<b>4,166</b>
2.2	Articole în reviste și în volumele unor manifestări științifice indexate în alte baze de date internaționale (BDI <sup>[3]</sup> )		
	<b>Conferențiar - minimum 15 articole din care minimum 2 în reviste</b>		20/nr. de autori
	1	G. Gabor, A.T. Plesca, F.A. Rusu, <b>C. Nițucă</b> , <i>Analysis of sliding electromagnetic coupling parameters in a PLC automation system</i> , International Conference on Electromechanical and Energy Systems (SIELMEN), 2019, Location: Craiova, Romania, Date of Conference: 9-11 Oct. 2019, DOI: 10.1109/SIELMEN.2019.8905912, Electronic ISBN: 978-1-7281-4011-7, USB ISBN: 978-1-7281-4010-0, Print on Demand (PoD) ISBN: 978-1-7281-4012-4, ( <b>Indexat IEEE Xplore, Scopus</b> ).	20/4= <b>5</b>
	2	G. Chiriac, <b>C. Nițucă</b> , D. Sticea, <i>Electric Locomotive Laboratory Test Bench for Research and Educational Purposes</i> , 8th International Conference on Modern Power Systems (MPS), 21-23 may, 2019, paper 172, Cluj Napoca, Romania, 2019. Publisher: IEEE (Institute of Electrical and Electronics Engineers). ( <b>IEEE Xplore</b> ).	20/3= <b>6,666</b>
	3	<b>C. Nițucă</b> , G. Chiriac, <i>Pantograph driven with a linear induction motor with adaptive fuzzy control</i> , Journal Energy Technology-JET, Volume 12, 2019, pp. 41-54, Issue 1, April 2019. ( <b>Indexat ProQuest</b> ).	20/2= <b>10</b>
	4	<b>C. Nițucă</b> , D. Cuciureanu and G. Chiriac, <i>Switched Reluctance Generator for Low Speed Wind Turbines with Counter-Rotary Drive</i> , Journal: Indian Journal of Science and Technology, Volume 9, Issue 40, 2016, Article number 86733, Source Type: Journal, ISSN: 09746846, DOI: 10.17485/ijst/2016/v9i40/86733, Document Type: Article, Published 2016. ( <b>Indexat Scopus</b> ).	20/3= <b>6,666</b>
	5	D. Cuciureanu, <b>C. Nițucă</b> , G. Chiriac, <i>Force Estimation of an Asymmetrical Pantograph for Different Damper Positions</i> , Journal: Indian Journal of Science and Technology, Volume 9, Issue 40, 2016, Article number 88878, Source Type: Journal, ISSN: 09746846, DOI: 10.17485/ijst/2016/v9i40/88878, Document Type: Article, Published 2016. ( <b>Indexat Scopus</b> ).	20/3= <b>6,666</b>
	6	G. Chiriac, D. Cuciureanu, <b>C. Nițucă</b> , <i>Critical Speed Impact over the Pantograph-Catenary System's Behaviour</i> , Journal: Indian Journal of Science and Technology, Volume 9, Issue 40, 2016, Article number 86736, Source Type: Journal, ISSN: 09746846, DOI: 10.17485/ijst/2016/v9i40/86736, Document Type: Article, Published 2016. ( <b>Indexat Scopus</b> ).	20/3= <b>6,666</b>
	7	<b>C. Nițucă</b> , <i>Thermal analisys for a double sided linear induction motor</i> , European Scientific Journal, March 2013, Edition vol.9, No.9, ISSN: 1857 – 7881 (Print) e - ISSN 1857- 7431, pp. 38-50, Published 2013. Document Type: Article. ( <b>Indexat EBSCO, PROQUEST, Copernicus, Ulrich's</b> ).	20/1= <b>20</b>
	8	L. Cantemir, <b>C. Nițucă</b> , G. Chiriac, A. Rachid, <i>Unconventional Current Collecting of the Electric Energy from a Contact Line for the Electric Traction Vehicles</i> , Conference: PACIFIC 2011 - International Conference on: Pantograph-Catenary Interaction Framework for Intelligent Control, Conference Proceedings, December 8th 2011, Amiens, France, pp. 48-53, Conference Paper, Published 2011, Code 92659. ( <b>Indexat Scopus</b> ).	20/4= <b>5</b>
	9	G. Chiriac, <b>C. Nițucă</b> , A. Plesca, <i>Possibilities to supply the railway electric vehicles through the electric arc</i> , Buletinul Institutului Politehnic din Iași, Tomul LIX (LXIII), Fasc. 4, Secția Electrotenică. Energetică. Electronică. 2013. ( <b>Index Copernicus, Ulrich's</b> ).	20/3= <b>6,666</b>
	10	C. Dumitrescu, A. Plesca, Laura Dumitrescu, M. Adam, <b>C. Nițucă</b> , A. Dragomir, <i>Assessment of Data Center Energy Efficiency. Methods and Metrics</i> , 10th International Conference and Exposition on Electrical and Power Engineering (EPE), 2018, Location: Iasi, ROMANIA, Date: OCT 18-19, 2018, Book Series: International Conference and Exposition on Electrical and Power Engineering, Pages: 487-492, Published: 2018. Accession Number: WOS:000458752200093, Document Type: Proceedings Paper. ( <b>Indexat WOS, Scopus, IEEE Xplore</b> ).	20/6= <b>3,333</b>
	11	T. Stanciu, <b>C. Nițucă</b> , G. Chiriac, A. Pleșca, <i>Coherence and Continuity in the Continuing Education of Electrical and Energetic Field Teachers from The Pre-University Environment</i> , 10th International Conference and Exposition on Electrical and Power Engineering (EPE), 2018, Location: Iasi, ROMANIA, Date: OCT 18-19, 2018, Book Series: International Conference and Exposition on Electrical and Power Engineering, Pages: 1057-1062, Published: 2018. Accession Number:	20/4= <b>5</b>

		WOS:000458752200207, Document Type: Proceedings Paper. ( <b>Indexat WOS, Scopus, IEEE Xplore</b> ).	
	12	M. Cardasim, <b>C. Nițucă</b> , A. Pleșca, G. Chiriac, C. Dumitrescu, <i>Reliability Parameters Estimation for a Railway Catenary Power System</i> , 10th International Conference and Exposition on Electrical and Power Engineering (EPE), Location: Iasi, ROMANIA, Date: OCT 18-19, 2018, Book Series: International Conference and Exposition on Electrical and Power Engineering, Pages: 1051-1056, Published: 2018. Accession Number: WOS:000458752200206, Document Type: Proceedings Paper. ( <b>Indexat WOS, Scopus, IEEE Xplore</b> ).	20/5= <b>4</b>
	13	G. Chiriac, <b>C. Nițucă</b> , M. Cardasim, <i>Failures Analysis in the 25 kV/50 Hz Railway Substations</i> , Conference: 2017 International Conference on Electromechanical and Power Systems (SIELMEN), Location: Iasi, ROMANIA, Date: OCT 11-13, 2017. Pages: 407-410, Published: 2017. Accession Number: WOS:000426906000077, Document Type: Proceedings Paper. ( <b>Indexat WOS, Scopus, IEEE Xplore</b> ).	20/3= <b>6,666</b>
	14	Aparaschivei, G. Chiriac, <b>C. Nițucă</b> , T. A. Plesca, <i>Analysis of a Cable Lug Failure for a Recycle Compressor Trip</i> , Conference: 2017 International Conference on Electromechanical and Power Systems (SIELMEN), Location: Iasi, ROMANIA, Date: OCT 11-13, 2017, Pages: 403-406, Published: 2017. Accession Number: WOS:000426906000076, Document Type: Proceedings Paper. ( <b>Indexat WOS, Scopus, IEEE Xplore</b> ).	20/4= <b>5</b>
	15	C. Dumitrescu, A. Plesca, M. Adam, <b>C. Nițucă</b> , A. Dragomir, <i>Methods for Reducing Energy Consumption, Optimization in Operational Data Centers</i> , 10th International Conference and Exposition on Electrical and Power Engineering (EPE), 2018, Location: Iasi, ROMANIA, Date: OCT 18-19, 2018, Book Series: International Conference and Exposition on Electrical and Power Engineering, Pages: 483-486, Published: 2018. Accession Number: WOS:000458752200092, Document Type: Proceedings Paper. ( <b>Indexat WOS, Scopus, IEEE Xplore</b> ).	20/5= <b>4</b>
	16	G. Gabor, C. Pintilie, C. Dumitrescu, <b>C. Nițucă</b> , A.T. Plesca, <i>Application of Industrial PROFIBUS-DP Protocol</i> , 10th International Conference and Exposition on Electrical and Power Engineering (EPE), 2018, Location: Iasi, ROMANIA, Date: OCT 18-19, 2018, Book Series: International Conference and Exposition on Electrical and Power Engineering, Pages: 614-617, Published: 2018. Accession Number: WOS:000458752200119, Document Type: Proceedings Paper. ( <b>Indexat WOS, Scopus, IEEE Xplore</b> ).	20/5= <b>4</b>
	17	C. Pintilie, A. Pleșca, G. Gabor, <b>C. Nițucă</b> , M. Adam, A. Dragomir, <i>Thermal Analysis of Tankless Heating System Using PLC</i> , 10th International Conference and Exposition on Electrical and Power Engineering (EPE), 2018, Location: Iasi, ROMANIA, Date: OCT 18-19, 2018, Book Series: International Conference and Exposition on Electrical and Power Engineering, Pages: 454-457, Published: 2018. Accession Number: WOS:000458752200086, Document Type: Proceedings Paper. ( <b>Indexat WOS, Scopus, IEEE Xplore</b> ).	20/6= <b>3,333</b>
2.3	Brevete de invenție indexate în alte baze de date		
	2.3.1	Internationale	25/nr. de autori
	2.3.2	Nationale	15/nr. de autori
2.4.	Granturi / proiecte câștigate prin competiție națională/internațională <sup>[4]</sup>		
	2.4.1.	Director/ responsabil proiect partener - <b>Minim 1 pentru Conferențiar/CS II</b>	
	2.4.1.1	Internațională	20*ani de desfășurare
	1	<b>C. Nițucă</b> , <i>The experimental study on overload current arc characteristics of DC electric fuse (DCFUSE)</i> , PN-III-P3-3.1-PM-RO-CN-2018-0060, România-China, „Gheorghe Asachi” Technical University of Iasi - Xi'an Jiaotong University, Perioada derulare 2018-2019.	20*1,5= <b>30</b>
	2.4.1.2	Națională	10*ani de desfășurare

	2.4.2.	Membru în echipă	
	2.4.2.1	Internaționale	4*ani de desfășurare
	1	„Modelling and simulation of the current limiting fuses”, Capacities, Module III, Bilateral Research Project China - Romania, Contract no. 610/01.01.2013, Director proiect, prof.dr.ing. A.T. Pleșca, Perioada derulare 2013-2014.	4*2= 8
	2.4.2.2.	Naționale	2 ani de desfășurare
2.5.	Contracte de cercetare/consultanta (valoare echivalenta de minim 2 000 Euro)		
	2.5.1.	Director/ Responsabil proiect partener	5*ani de desfășurare
	2.5.2.	Membru în echipă	2*ani de desfășurare
Total Activitatea de cercetare (A2)			288,2
<b>Recunoașterea și impactul activității (A3)</b>			
3.1.	Citări în reviste WOS si volumele conferințelor WOS <sup>[5]</sup>		
	3.1.1	<b>Conferențiar/CS II minimum 7 citari</b>	5/nr. autori ai articolului citat
		<b>C. Nițucă</b> , <i>Thermal analysis of electrical contacts from pantograph–catenary system for power supply of electric vehicles</i> , <a href="#">Electric Power Systems Research</a> , <a href="#">Volume 96</a> , March 2013, Pages: 211–217. Doi: <a href="https://doi.org/10.1016/j.epsr.2012.11.009">dx.doi.org/10.1016/j.epsr.2012.11.009</a> , Factor de impact 1,595, Published 2013. Accession Number: WOS:000315612100025, Document Type: Article. ( <b>Indexat WOS, Science Direct, Scopus</b> ). <b>Citat de:</b>	
	1	Wang, Xincheng; Chen, Haiyan; Miao, Lele;Fu, Li; <i>Effects of laser-textured surface pattern on the wetting behavior and composition optimization of brazing filler: experimental study and numerical simulation</i> , APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, Volume: 125, Issue: 12, Article Number: 879, DOI: 10.1007/s00339-019-3174-8, Published: DEC 2019.	5/1= 5
	2	Chen, H.Y., Wang, X.C., Fu, L., Feng, M.Y., <i>Effects of surface microstructure on the active element content and wetting behavior of brazing filler metal during brazing Ti<sub>3</sub>SiC<sub>2</sub> ceramic and Cu</i> , <a href="#">Vacuum</a> , Volume 156, October 2018, Pages 256-263, Impact factor: 2.515, Published: DEC 2018.	5/1= 5
	3	Wei Wenfu, Yang Zefeng, Wu Guangning, <i>Characteristics of Sliding Electric Contact between Couples of Carbon and Metal Materials</i> , Joint Meeting of the 29th International Conference on Electrical Contacts (ICEC) / 64th IEEE Holm Conference on Electrical Contacts, Location: Albuquerque, NM, Book Group Author(s): <a href="#">IEEE</a> , Book Series: Electrical Contacts-IEEE Holm Conference on Electrical Contacts, Pages: 439-443, Document Type: Proceedings Paper. Published: 2018	5/1= 5
	4	Deng, Chaoyong; Yin, Jian; Zhang, Hongbo; et al., <i>The tribological properties of Cf/Cu/C composites under applied electric current</i> , <a href="#">TRIBOLOGY INTERNATIONAL</a> , Volume: 116, Pages: 84-94, DOI: 10.1016/j.triboint.2017.07.005, Document Type: Article, Impact factor: 3.517, Published: DEC 2017	5/1= 5
	5	Chen, G. X.; Hu, Y.; Dong, B. J.; et al., <i>Experimental study on the temperature of the contact strip in sliding electric contact</i> , <a href="#">PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART J-JOURNAL OF ENGINEERING TRIBOLOGY</a> , Volume: 231, Issue: 10, Pages: 1268-1275, Document Type: Article, DOI: 10.1177/1350650117692482, Impact factor: 1,137, Published: OCT 2017	5/1= 5

	6	Karakose, Ebru; Gencoglu, Muhsin Tunay; Karakose, Mehmet; et al., <i>A New Experimental Approach Using Image Processing-Based Tracking for an Efficient Fault Diagnosis in Pantograph-Catenary Systems</i> , <a href="#">IEEE TRANSACTIONS ON INDUSTRIAL INFORMATICS</a> , Volume: 13, Issue: 2, Pages: 635-643, Document Type: Article, DOI: 10.1109/TII.2016.2628042, Impact factor: 7.377, Published: APR 2017.	5/1= 5
	7	Wang, Zhiyong; Guo, Fengyi; Liu, Shuai; et al., <i>Temperature Characteristics of Sliding Friction Pair under High-speed and Strong-current Conditions</i> , 2017 63RD <a href="#">IEEE HOLM CONFERENCE ON ELECTRICAL CONTACTS</a> , Book Group Author(s): <a href="#">IEEE</a> , Book Series: Electrical Contacts-IEEE Holm Conference on Electrical Contacts, Pages: 187-193, Document Type: Proceedings Paper, Published: 2017.	5/1= 5
	8	Chen, Haiyan; Peng, Jianke; Fu, Li, <i>Effects of interfacial reaction and atomic diffusion on the mechanical property of <math>Ti_3SiC_2</math> ceramic to Cu brazing joints</i> , <a href="#">VACUUM</a> , Volume: 130, Pages: 56-62, DOI: 10.1016/j.vacuum.2016.05.002, Document Type: Article, Impact factor: 2,515, Published: AUG 2016.	5/1= 5
	9	Gao, Shibin; Wang, Ying; Liu, Zhigang; et al., <i>Thermal Distribution Modeling and Experimental Verification of Contact Wire Considering the Lifting or Dropping Pantograph in Electrified Railway</i> , <a href="#">IEEE TRANSACTIONS ON TRANSPORTATION ELECTRIFICATION</a> , Volume: 2, Issue: 2, Pages: 256-265, Special Issue: SI, DOI: 10.1109/TTE.2016.2558841, Document Type: Article, Published: JUN 2016.	5/1= 5
	10	Atul, Takalkar S.; Babu, Lenin M. C., <i>Electro-Thermo-Mechanical FE Simulations of OFHC Cu Material for Electric Contact with DC/AC Currents</i> , 2016 <a href="#">INTERNATIONAL CONFERENCE ON ADVANCES IN COMPUTING, COMMUNICATIONS AND INFORMATICS (ICACCI)</a> , Pages: 2131-2137, Document Type: Proceedings Paper, Published: 2016.	5/1= 5
	11	Adrian Plesca, <i>Numerical Thermal Analysis of Fuse Mounted on Fuse Holder</i> , <a href="#">HEAT TRANSFER ENGINEERING</a> , Volume: 36, Issue: 18, Pages: 1518-1524, DOI: 10.1080/01457632.2015.1024990, Document Type: Article, Published: DEC 12 2015.	5/1= 5
	12	Zhang, Lei; Elias, Anastasia; Chen, Weixing; et al., <i>Electrical conductivity and wear behavior of bi-continuous Cr3C2-Cu composites</i> , <a href="#">CERAMICS INTERNATIONAL</a> , Volume: 41, Issue: 9, Pages: 11075-11079, Part: A, DOI: 10.1016/j.ceramint.2015.05.053, Document Type: Article, Published: NOV 2015.	5/1= 5
	13	Guo, Lei; Gao, Xiaojie; Li, Qunzhan; et al., <i>Online Antiicing Technique for the Catenary of the High-Speed Electric Railway</i> , <a href="#">IEEE TRANSACTIONS ON POWER DELIVERY</a> , Volume: 30, Issue: 3, Pages: 1569-1576, DOI: 10.1109/TPWRD.2014.2377771, Document Type: Article, Published: JUN 2015.	5/1= 5
	14	Adrian Plesca, <i>Thermal analysis of sliding electrical contacts with mechanical friction in steady state conditions</i> , <a href="#">INTERNATIONAL JOURNAL OF THERMAL SCIENCES</a> , Volume: 84, Pages: 125-133, DOI: 10.1016/j.ijthermalsci.2014.05.009, Document Type: Article, Published: OCT 2014.	5/1= 5
	15	Karakose, Ebru; Gencoglu, Muhsin Tunay, <i>An Analysis Approach for Condition Monitoring and Fault Diagnosis in Pantograph-Catenary System</i> , 2013 <a href="#">IEEE INTERNATIONAL CONFERENCE ON SYSTEMS, MAN, AND CYBERNETICS (SMC 2013)</a> , Book Group Author(s): <a href="#">IEEE</a> , Book Series: IEEE International Conference on Systems Man and Cybernetics Conference Proceedings, Pages: 1963-1968, DOI: 10.1109/SMC.2013.337, Document Type: Proceedings Paper, Published: 2013.	5/1= 5
	D. Cuciureanu, <b>C. Nițucă</b> , G. Chiriac, D. Sticea, <i>Analysis of the Photovoltaic Panels Currently in Use in Different Locations</i> , Conference: 2017, 9th International Conference and Exposition on Electrical and Power Engineering (EPE), Location: Iasi, ROMANIA, Date: OCT 20-22, 2016, Pages: 888-893, Published: 2016. Accession Number: WOS:000390706300174, Document Type: Proceedings Paper. ( <b>Indexat WOS, Scopus, IEEE Xplore</b> ). <b>Citat de:</b>		
	16	Swart, Arthur J.; Hertzog, Pierre E., <i>LED's as viable power loads for experimental purposes relating to PV modules</i>	5/4=

			<i>in pico-solar systems</i> , 2017, <a href="#">4TH IEEE INTERNATIONAL CONFERENCE ON ENGINEERING TECHNOLOGIES AND APPLIED SCIENCES (ICETAS)</a> , Book Group Author(s): <a href="#">IEEE</a> , Document Type: Proceedings Paper, Published: 2017.	1,25
		17	Hertzog, Pierre E.; Swart, Arthur J., <i>Detecting the presence of pigeons on PV modules in a pico-solar system</i> , 2017 <a href="#">IEEE AFRICON</a> , Book Series: Africon, Pages: 1528-1533, Document Type: Proceedings Paper, Published: 2017.	5/4= 1,25
			<b>C. Nițucă</b> , G. Chiriac, D. Cuciureanu, Guoqiang Zhang, Dong Han, A. Plesca, <i>Numerical Analysis of a Real Photovoltaic Module with Various Parameters, Modelling And Simulation In Engineering</i> , Article Number: 7329014, DOI: 10.1155/2018/7329014, Published: 2018. Accession Number: WOS:000429430400001, Document Type: Article. ( <b>Indexat WOS, Scopus</b> ). <b>Citat de:</b>	
		18	Singh Rashmi, Sharma Madhu, Rawat Rahul, Banerjee Chandan, <i>An assessment of series resistance estimation techniques for different silicon based SPV modules</i> , RENEWABLE & SUSTAINABLE ENERGY REVIEWS, Volume: 98, Pages: 199-216, DOI: 10.1016/j.rser.2018.09.020, Impact Factor: 10,556, Document Type: Review, Published: DEC 2018.	5/6= <b>0,833</b>
			M. Cardasim, <b>C. Nițucă</b> , A. Pleșca, G. Chiriac, C. Dumitrescu, <i>Reliability Parameters Estimation for a Railway Catenary Power System</i> , 10th International Conference and Exposition on Electrical and Power Engineering (EPE), Location: Iasi, ROMANIA, Date: OCT 18-19, 2018, Book Series: International Conference and Exposition on Electrical and Power Engineering, Pages: 1051-1056, Published: 2018. Accession Number: WOS:000458752200206, Document Type: Proceedings Paper. ( <b>Indexat WOS, Scopus, IEEE Xplore</b> ). <b>Citat de:</b>	
		19	Zhang, Mingzhi, Wang Yi, Wen Huabin, Li Peng, Wang Shutu, <i>Analysis and design of a pulse-closing vacuum switch for catenary fault detection</i> , IET GENERATION TRANSMISSION & DISTRIBUTION, Volume: 13, Issue: 13, Pages: 2646-2651, DOI: 10.1049/iet-gtd.2018.5686, Impact Factor: 3,229, Document Type: Article, Published: JUL 9 2019.	5/5= <b>1</b>
3.2.	Citări în revistele BDI si volumele conferințelor BDI <sup>[5]</sup>			
	3.3.1	<b>Conferențiar - minimum 10 citari</b>		3/nr. autori ai articolului citat
			<b>C. Nițucă</b> , G. Chiriac, D. Cuciureanu, Guoqiang Zhang, Dong Han, A. Plesca, <i>Thermal modeling of a linear induction motor used to drive a power supply system for an electric locomotive</i> , Thermal Science, Volume: 23, Issue: 2, pp. 589-598, part. A, DOI: 10.2298/TSCI180420190N, Impact factor: 1.541, 2019. Accession Number: WOS: 000462414100015, Document Type: Article. ( <b>Indexat WOS, Scopus</b> ). <b>Citat de:</b>	
		1	Garcia N.T., Gomey Z.A.G., Velasco F.E.H., <i>Parameter estimation of three-phase linear induction motor by a DSP-based electric-drives system</i> , International Journal of Electrical and Computer Engineering, Volume 10, Issue 1, 2020, Pages 626-636. ( <b>Indexat Scopus</b> ).	3/6= <b>0,5</b>
			<b>C. Nițucă</b> , G. Chiriac, C. I. Gațu, D. Cuciureanu, I. Murgescu, <i>Laboratory Off-Grid Photovoltaic System with Two Axes Orientation</i> , 10th International Conference and Exposition on Electrical and Power Engineering (EPE), 2018, Location: Iasi, ROMANIA, Date: OCT 18-19, 2018, Book Series: International Conference and Exposition on Electrical and Power Engineering, Pages: 846-849, Published: 2018. Accession Number: WOS: 000458752200165, Document Type: Proceedings Paper. ( <b>Indexat WOS, Scopus, IEEE Xplore</b> ). <b>Citat de:</b>	
		2	Rojas Martinez L., Libis Valdez C., Cervantes L., <i>Design and construction of smart grid with variable load control AC and DC with LabVIEW: Off-grid case</i> , Proceedings of the LACCEI international Multi-conference for Engineering, Education and Technology Volume 2019-July, 2019 17th LACCEI International Multi-Conference for Engineering, Education, and Technology, LACCEI 2019; Montego Bay; Jamaica; 24 July 2019 through 26 July	3/5= <b>0,6</b>

		2019; Code 152362. ( <b>Indexat Scopus</b> ).	
		D. Cuciureanu, <b>C. Nițucă</b> , G. Chiriac, D. Sticea, <i>Analysis of the Photovoltaic Panels Currently in Use in Different Locations</i> , Conference: 2017, 9th International Conference and Exposition on Electrical and Power Engineering (EPE), Location: Iasi, ROMANIA, Date: OCT 20-22, 2016, Pages: 888-893, Published: 2016. Accession Number: WOS:000390706300174, Document Type: Proceedings Paper. ( <b>Indexat WOS, Scopus, IEEE Xplore</b> ). <b>Citat de:</b>	
	3	Hertzog P.E., Swart A.J., <i>Pigeon presence on PV modules ARE largely random events</i> , International Journal of Innovative Technology and Exploring Engineering, Volume 8, Issue 9 Special Issue 2, July 2019, Pages 524-529. ( <b>Indexat Scopus</b> ).	3/4= <b>0,75</b>
		<b>C. Nițucă</b> , <i>Thermal analysis of electrical contacts from pantograph–catenary system for power supply of electric vehicles</i> , <a href="#">Electric Power Systems Research</a> , <a href="#">Volume 96</a> , March 2013, Pages: 211–217. Doi: <a href="https://doi.org/10.1016/j.epsr.2012.11.009">dx.doi.org/10.1016/j.epsr.2012.11.009</a> , Factor de impact 1.595, Published 2013. Accession Number: WOS:000315612100025, Document Type: Article. ( <b>Indexat WOS, Science Direct, Scopus</b> ). <b>Citat de:</b>	
	4	Wang X., Chen H., Miao L., Fu L., <i>Effects of laser-textured surface pattern on the wetting behavior and composition optimization of brazing filler: experimental study and numerical simulation</i> , Applied Physics A: Materials Science and Processing, Volume 125, Issue 12, 1 December 2019, Article number 879. ( <b>Indexat Scopus</b> ).	3/1= <b>3</b>
	5	Hui Y., Liu G., Du L., Zhou L., <i>Research Status and Prospect of Current-carrying Friction and Wear</i> , Cailiao Daobao/Materials Reports Volume 33, Issue 7, 10 July 2019, Pages 2272-2280. ( <b>Indexat Scopus</b> ).	3/1= <b>3</b>
	6	Wu G, Gao G., Wei W., Yang Z., <i>The electrical contact of the Pantograph-catenary system: Theory and application</i> . Book, Application 12 April 2019, Pages 1-278. ( <b>Indexat Scopus</b> ).	3/1= <b>3</b>
	7	Wang, Z. Yang, D. Zhang, Y. Zhan, Z. <i>Research on Characteristics of Contact Temperature in Electromagnetic Rail Propulsion</i> , Gaoya Wuli Xuebao, Publisher: Chinese Journal of High Pressure Physics, Volume 32, Issue 6, 25 December 2018, Article number 065112, DOI: 10.11858/gywllxb.20180548, Document Type: Article, 2018. ( <b>Indexat Scopus</b> ).	3/1= <b>3</b>
	8	Guo, F. Gao, H. Liu, S. Wang, Z. Zhang, K. Wang, A., <i>Simulation of Transient Temperature Field of Current-carrying Sliding Friction Pair</i> , Publisher: Acta Simulata Systematica Sinica, Volume 30, Issue 5, 8 May 2018, Pages 1715-1723, DOI: 10.16182/j.issn1004731x.joss.201805012, Document Type: Article, 2018. ( <b>Indexat Scopus</b> ).	3/1= <b>3</b>
	9	Wang, Z. Guo, F. Liu, S. Gao, H. Xue, Y., <i>Simulation of temperature field of contact wire under flexible contact pressure conditions</i> , Liaoning Gongcheng Jishu Daxue Xuebao (Ziran Kexue Ban)/Journal of Liaoning Technical University (Natural Science Edition), Volume 36, Issue 12, 1 December 2017, Pages 1315-1320, DOI: 10.11956/j.issn.1008-0562.2017.12.016, Document Type: Article, 2017. ( <b>Indexat Scopus</b> ).	3/1= <b>3</b>
	10	Wu, G. Zhou, Y. Lei, D. Wei, W. Wu, J. Gao, G., <i>Research advances in electric contact between pantograph and catenary</i> , Gaodianya Jishu/High Voltage Engineering, Volume 42, Issue 11, 30 November 2016, Pages 3495-3506, DOI: 10.13336/j.1003-6520.hve.20161031017, Document Type: Review, 2016. ( <b>Indexat Scopus</b> ).	3/1= <b>3</b>
	11	Xing, W.L., Wang, A.J., Chen, Q.S., <i>Structure of carbon-coated graphite and its application in nuclear industry</i> , <a href="#">Advanced Materials Research</a> , Volume 952, 2014, Pages 100-104, 2nd International Conference on Mechanics, Dynamic Systems and Material Engineering, MDSME 2014; Guangzhou; China; 24 May 2014 through 25 May 2014; Code 105674, Published: 2014. ( <b>Indexat Scopus</b> ).	3/1= <b>3</b>
	12	Dong, L., Li, C., Chen, G., Zhong, W., Liu, X., <i>Simulation study on coupling temperature field under pantograph-catenary friction with electric current</i> , <a href="#">Zhongguo Tiedao Kexue/China Railway Science</a> , Volume 35, Issue 3, May 2014, Pages 102-106, Published: 2014. ( <b>Indexat Scopus</b> ).	3/1= <b>3</b>

	13	Plesca, A.T., <a href="#">Mechanical analysis of power electromagnetic contactors</a> , <a href="#">Indian Journal of Science and Technology</a> , Volume 6, Issue 8, 2013, Pages 5109-5114, Published: 2013. ( <b>Indexat Scopus</b> ).	3/1= <b>3</b>
	14	Plesca, A.T., <a href="#">Thermal analysis of overload protection relays using finite element method</a> , <a href="#">Indian Journal of Science and Technology</a> , Volume 6, Issue 8, 2013, Pages 5120-5125, Published: 2013. ( <b>Indexat Scopus</b> ).	3/1= <b>3</b>
	15	Plesca, A.T., <a href="#">Power losses and thermal analysis of power rectifiers</a> , <a href="#">Indian Journal of Science and Technology</a> , Volume 6, Issue 7, 2013, Pages 4976-4982, Published: 2013. ( <b>Indexat Scopus</b> ).	3/1= <b>3</b>
	G. Chiriac, <b>C. Nițucă</b> , M. Cardasim, <i>Failures Analysis in the 25 kV/50 Hz Railway Substations</i> , Conference: 2017 International Conference on Electromechanical and Power Systems (SIELMEN), Location: Iasi, ROMANIA, Date: OCT 11-13, 2017. Pages: 407-410, Published: 2017. Accession Number: WOS:000426906000077, Document Type: Proceedings Paper. ( <b>Indexat WOS, Scopus, IEEE Xplore</b> ). <b>Citat de:</b>		
	16	Munteanu, A., Adam, M., Andrusca, M., Dragomir, A., Micu, M.B., Aspects regarding the Monitoring of Electrical Equipment from Electric Traction, EPE 2018 - Proceedings of the 2018 10th International Conference and Expositions on Electrical And Power Engineering 8559648, pp. 547-550, DOI: 10.1109/ICEPE.2018.8559648, Document Type: Conference Paper, 2018. ( <b>Indexat Scopus</b> ).	3/3= <b>1</b>
	17	Munteanu, A., Adam, M., Andrusca, M., Dragomir, A., Micu, M.B., Cardasim, M., <i>A Possibility to Monitoring and Diagnosis of the Joint Coils from Railway Electric Traction</i> , EPE 2018 - Proceedings of the 2018 10th International Conference and Expositions on Electrical And Power Engineering, Article number: 8559771, pp. 538-541, DOI: 10.1109/ICEPE.2018.8559771, Document Type: Conference Paper, 2018. ( <b>Indexat Scopus</b> ).	3/3= <b>1</b>
	L. Cantemir, <b>C. Nițucă</b> , G. Chiriac, A. Rachid, <i>Unconventional Current Collecting of the Electric Energy from a Contact Line for the Electric Traction Vehicles</i> , Conference: PACIFIC 2011 - International Conference on: Pantograph-Catenary Interaction Framework for Intelligent Control, Conference Proceedings, <i>December 8th 2011, Amiens, France</i> , pp. 48-53, Conference Paper, Published 2011, Code 92659. ( <b>Indexat Scopus</b> ). <b>Citat de:</b>		
	18	Plesca, A., Dumitrescu, C., Calistru, C.N., <i>Power collection system for electrical vehicles</i> , <a href="#">EEEIC 2016 - International Conference on Environment and Electrical Engineering</a> , 29 August 2016, Article number 7555719, 16th International Conference on Environment and Electrical Engineering, EEEIC 2016; Florence; Italy; 7 June 2016 through 10 June 2016; Category number CFP1651I-CDR; Code 123530, Published: 2016. ( <b>Indexat Scopus</b> ).	3/4= <b>0,75</b>
	19	Plesca A., <i>Electric arc power collection system for electric traction vehicles</i> , <a href="#">Electric arc power collection system for electric traction vehicles</a> , Volume 57, May 2014, Pages 212-221, Published: 2014. ( <b>Indexat Scopus</b> ).	3/4= <b>0,75</b>
3.3	Prezentări invitate în plenul unor manifestări științifice naționale și internaționale și Profesor invitat (exclusiv POS, ERASMUS)		
	3.3.1	Internaționale	20
	3.3.2	Naționale	5
3.4.	Membru în colectivele de redacție sau comitete științifice al revistelor și manifestărilor științifice, organizator de manifestări științifice, Recenzor pentru reviste și manifestări științifice naționale și internaționale (punctajul se acorda pentru fiecare, revista, manifestare științifică și recenzie)		
	3.4.1	WOS	10
	3.4.2	BDI	6
	1	Premier Publishers, Share Your Scientific Discovery, <a href="http://www.premierpublishers.org">www.premierpublishers.org</a> , <b>Reviewer Manuscript ref no.</b> PP-1115-519, <i>New Developments in the field of Didactics: Application for Enhancement of Excellence in Agriculture Education and Training</i>	<b>6</b>
	2	Indian Journal of Science and Technology, Print ISSN: 0974-6846, Online ISSN: 0974-5645, <b>Reviewer ID – 33939 - Mechanical Analysis of Power Electromagnetic Contactors</b>	<b>6</b>

	3	Indian Journal of Science and Technology, Print ISSN: 0974-6846, Online ISSN: 0974-5645, <b>Reviewer ID - 33913</b> - Thermal Analysis of Overload Protection Relays Using Finite Element Method	6
	4	Indian Journal of Science and Technology, Print ISSN: 0974-6846, Online ISSN: 0974-5645, <b>Reviewer ID - 62925</b> Implementation of a Novel Switching Method in Generating Output Voltage Having a Frequency Multiple of Input Voltage Frequency	6
	5	Indian Journal of Science and Technology, Print ISSN: 0974-6846, Online ISSN: 0974-5645, <b>Reviewer ID – 56589</b> - A new method of congestion management in electricity market and in the presence of FACTS devices	6
	6	Indian Journal of Science and Technology, Print ISSN: 0974-6846, Online ISSN: 0974-5645, <b>Reviewer ID – 56588</b> - A New Topology for Bidirectional Isolated DC/DC Converter based on Ćuk and Half-Bridge Converters	6
	7	Indian Journal of Science and Technology, Print ISSN: 0974-6846, Online ISSN: 0974-5645, <b>Reviewer ID – 40490</b> - A General Linear Feature for On-line Detection of Mechanical Defects in Transformer Windings	6
	8	Indian Journal of Science and Technology, Print ISSN: 0974-6846, Online ISSN: 0974-5645, <b>Reviewer ID – 36877</b> - Effects of the Reynolds Number and Prandtl Number on Flow and Temperature Field inside a Square Vented Enclosure having Heat Conducting Block	6
	9	Indian Journal of Science and Technology, Print ISSN: 0974-6846, Online ISSN: 0974-5645, <b>Reviewer ID – 51118</b> - EXTRACTING ENERGY FROM REVOLVING DOOR	6
	10	Indian Journal of Science and Technology, Print ISSN: 0974-6846, Online ISSN: 0974-5645, <b>Reviewer ID – 44583</b> - Relation between Aspirated and Unaspirated Phonemes Dependent Transformation Function Coefficients for MFCC Based Voice Conversion in Hindi	6
	11	Indian Journal of Science and Technology, Print ISSN: 0974-6846, Online ISSN: 0974-5645, <b>Reviewer ID – 60384</b> - Secured High Throughput of 128-bit AES Algorithm based on Interleaving Technique	6
	12	Indian Journal of Science and Technology, Print ISSN: 0974-6846, Online ISSN: 0974-5645, <b>Reviewer ID – 47999</b> - Decomposition of Power Electronic and Conventional Loads of Modern Power Systems by Discrete Wavelet Transform	6
	13	Indian Journal of Science and Technology, Print ISSN: 0974-6846, Online ISSN: 0974-5645, <b>Reviewer ID – 62205</b> - Implementation of an Economical and Compact Single MOSFET High Voltage Pulse Generator	6
	14	Indian Journal of Science and Technology, Print ISSN: 0974-6846, Online ISSN: 0974-5645, <b>Reviewer ID – 62925</b> - A Comparison on Video Stabilization using Affine, Projective and KLT algorithm	6
	15	Indian Journal of Science and Technology, Print ISSN: 0974-6846, Online ISSN: 0974-5645, <b>Reviewer ID – 62928</b> - Energy Scavenging from Triaxial Tactile Sensing and Peltier Effect Sensing System	6
	16	Indian Journal of Science and Technology, Print ISSN: 0974-6846, Online ISSN: 0974-5645, <b>Reviewer ID – 65731</b> - Large signal analysis of Active Loads using a New LTI model	6
	17	Indian Journal of Science and Technology, Print ISSN: 0974-6846, Online ISSN: 0974-5645, <b>Reviewer ID – 65595</b> - Investigation of Dependent Rikitake System to Initiation Point	6
	18	Indian Journal of Science and Technology, Print ISSN: 0974-6846, Online ISSN: 0974-5645, <b>Reviewer ID – 65748</b> - Speech Recognition Using MFCC & VQLBG	6
	19	Indian Journal of Science and Technology, Print ISSN: 0974-6846, Online ISSN: 0974-5645, <b>Reviewer ID – 52220</b> - A REVIEW ON OFDM AND PAPR REDUCTION TECHNIQUES	6
	20	Indian Journal of Science and Technology, Print ISSN: 0974-6846, Online ISSN: 0974-5645, <b>Reviewer ID – 66044</b> - Object's 3d position extraction using a single camera	6
	21	Indian Journal of Science and Technology, Print ISSN: 0974-6846, Online ISSN: 0974-5645, <b>Reviewer</b>	6

			<b>ID – 62527 - Comparative Analysis of Process Variation on Domino Full Adder with Static Full Adder</b>	
		22	Indian Journal of Science and Technology, Print ISSN: 0974-6846, Online ISSN: 0974-5645, <b>Reviewer ID – 61848 - Low Power Estimation on Test Compression Technique for SoC based Design</b>	<b>6</b>
		23	Indian Journal of Science and Technology, Print ISSN: 0974-6846, Online ISSN: 0974-5645, <b>Reviewer ID – 53983 - Low Loss 2-bit Distributed MEMS Phase shifter using Chamfered Transmission line</b>	<b>6</b>
		24	Indian Journal of Science and Technology, Print ISSN: 0974-6846, Online ISSN: 0974-5645, <b>Reviewer ID – 87716 - Non-Zero Space Vector Modulation scheme for Indirect Matrix Converter</b>	<b>6</b>
	3.4.3	Naționale și Internaționale neindexate		3
		1	<b>Membru</b> în colectivul de redacție al revistei Tehnoscopia, Revistă științifico-metodică semestrială, Chișinău, R. Moldova, ISSN 1857-4904, (din 2008 până în prezent).	<b>3</b>
		2	<b>Membru</b> în comitetul organizatoric al confeinței Prima Conferință Internațională Educație – Profesionalizare – Creație în Societatea Cunoașterii, EPC – 2013, 28-29 noiembrie 2013, Iași, România.	<b>3</b>
		3	<b>Membru</b> în comitetul tehnic al simpozionului A II-le Simpyzion Național Educație – Profesionalizare – Creație în Societatea Cunoașterii, cu participare internațională, EPC – 2009, 6-7 noiembrie 2009, Iași, România.	<b>3</b>
		4	<b>Membru</b> în comitetul științific al conferinței 6 <sup>th</sup> e International Conference on Electromechanical and Power Systems, SIELMEN 2007, October 4-6, Cișinău, R. Moldova, ISSN 1842-4805.	<b>3</b>
		5	<b>Membru</b> editor al First National Simpozion Education-Professionalization-Creation in the Knowledge Society – EPC 2006, Iași, România, 20-21 octombrie 2006, Buletinul Institutului Politehnic Iași, Tomul LII (LVI), Fasc. 5 Științe Socio-Umane, ISSN 1224-5860.	<b>3</b>
		6	<b>Membru</b> în comitetul organizatoric al 3 <sup>rd</sup> Intrnațional Conference on Electrical and Power Engineering, EPE 2004, October 7-8, 2004, Faculty of Electrical Engineering, Iași, România.	<b>3</b>
		7	<b>Membru</b> în colectivul redacției tehnice a The 4 <sup>th</sup> International Conference on Electromechanical and Power Systems, SIELMEN 2003, Chișinău, 26-27 september 2003, ISBN 9975-9704-9-4.	<b>3</b>
		8	<b>Membru</b> în colectivul organizațional al Sesiunii Științifice Omagiale Electrotehnica 1910-2000, 90 de ani de învățământ electrotehnic în Iași și în România, 13-14 octombrie 2000, Iași, România.	<b>3</b>
3.5	Referent în comisii de doctorat			
	3.5.1	Internaționale		10
	3.5.2	Naționale		5
3.6.	Premii			
	3.6.1	Academia Romana		30
	3.6.2	ASAS, AOSR, academii de ramură și CNCS		15
	3.6.3	Premii internaționale		10
	3.6.4	Premii naționale in domeniu		5
		3.6.4.1	<b>Medalia de argint</b> la International Fair of Inventions and Practical Ideas , october 2015, Iasi. Pentru Cererea de brevet de inventie: <i>Balast cu miez comun</i> , D. Cuciureanu, D. Ioachim, G. Chiriac, <b>C. Nițucă</b> . 2015	<b>5</b>
		3.6.4.2	<b>Premiu CNCS:</b> Competitia 2013 Premiarea rezultatelor cercetarii - articole. Premiere pentru articolul cu titlul " <i>Thermal analysis of electrical contacts from pantograph–catenary system for power supply of electric vehicles</i> " <b>C. Nițucă</b> , Project Registration Code: PN-II-RU-PRECISI-2013-7-2018, 2013.	<b>5</b>
		3.6.4.3	<b>Gold medal “Henri Coandă”</b> The XV-the International Exhibition of Research, Innovation and Technological Transfer „Inventica 2011”, Iasi, Romania, 8-10 june 2011, pentru “ <i>A New Tipe of Electric Generator</i> ” L. Cantemir, <b>C. Nițucă</b> , G. Chiriac, A. P. Alexandrescu, D. Cuciureanu, 2011.	<b>5</b>

3.7.	Membru în academii, organizații, asociații profesionale de prestigiu, naționale și internaționale, apartenență la organizații din domeniul educației și cercetării		
3.7.1.	Academia Română		100
3.7.2.	ASAS, AOSR, Academii de ramură		30
3.7.3.	Conducere Asociații Profesionale		
	3.7.3.1.	Internaționale	30
	3.7.3.1	Naționale	10
3.7.4.	Asociații profesionale		
	3.7.4.1	Internaționale	5
	3.7.4.2	Naționale	2
	1	Asociația pentru Educație, Profesionalizare și Progres Social din Iași, România - (EUROSTEPS)	2
	2	Societatea Absolvenților Facultății de Electrotehnică din Iași, România - (SETIS)	2
3.7.5.	Consilii și organizații în domeniul educației și cercetării		
	3.7.5.1	Conducere	15
	1	Președinte comisie de grad didactic II pentru învățământ preuniversitar (3 ani) : - Facultatea de Inginerie Electrică, Energetică și Informatică Aplicată ; - Facultatea de Mecanică ; - Facultatea de Automatică și Calculatoare ; - Facultatea de Electronică, Telecomunicații și Tehnologia Informației.	15
	3.7.5.2	Membru	10
	1	Membru, comisia de grade didactice pentru învățământ preuniversitar – Gradul definitiv și Gradul II (10 ani).	10
<b>Recunoașterea și impactul activității (A3)</b>			<b>332,683</b>

**A=858,403 puncte**

Nr. crt.	Domeniul de activitate	Condiții conferențiar	Punctaj realizat
1.	Activitatea didactică /profesională (A1)	Minimum 60 puncte	237,52
2.	Activitatea de cercetare (A2)	Minimum 180 puncte	288,2
3.	Recunoașterea și impactul activității (A3)	Minimum 60 puncte	332,683
<b>Total</b>		<b>Minimum 300 puncte</b>	<b>858,403</b>

**Data: 08.01.2020**

**Candidat, Ș.I.dr.ing. Costică NIȚUCĂ**

