

**FIȘA DE VERIFICARE**  
**a îndeplinirii standardelor minime naționale pentru postul de profesor universitar**

Candidat: conf.univ.dr.ing. Costică NIȚUCĂ / Data nașterii: 03.01.1966. Funcția actuală: conferențiar universitar, Data numirii în funcția actuală: 14.02.2020,  
Instituția: Universitatea Tehnică "Gheorghe Asachi" din Iași

Tabelul 1. Condiții minime / punctaje obținute (în conformitate cu Domeniul CNATDCU)

Nr. crt.	Domeniul de activitate	Condiții profesor	Punctaj realizat	Observații
1.	Activitatea didactică /profesională (A1)	Minimum 120 puncte	<b>306,87</b>	Criteriu îndeplinit
2.	Activitatea de cercetare (A2)	Minimum 360 puncte	<b>486,42</b>	Criteriu îndeplinit
3.	Recunoașterea și impactul activității (A3)	Minimum 120 puncte	<b>563,28</b>	Criteriu îndeplinit
<b>Total</b>		<b>Minimum 600 puncte</b>	<b>1356,57</b>	Criteriu îndeplinit

Criteriul C 2.1 Calitatea resursei umane Scorj(U) = 1356,57/600

Scorj(U) = 2,26

*Data:04.05.2026*  
*Candidat, conf.univ.dr.ing. Costică Nițucă*

Tabelul 2. Structura activității cadrelor didactice / cercetătorilor și punctaje realizate.  
Centralizarea îndeplinirii cerințelor standardului minimal național

<b>Cerințe</b>	<b>Valoare minimă</b>	<b>Realizat</b>
1.1.1. Cărți cu ISBN / capitole ca autor	4	6
1.2.1. Suport de curs inclusiv electronic	2 prim autor - 1	6 prim autor - 6
1.2.2. Îndrumare de laborator / aplicații	2 prim autor - 1	5 prim autor - 4
2.1.1. Articole in extenso în reviste cotate WOS Thomson-Reuters, în volume proceedings indexate WOS Thomson Reuters și brevete de invenție indexate WOS Derwen	10 prim autor - 4 în reviste - 4	14 (1 brevet de invenție) prim autor - 6 în reviste - 5
2.2.1. Articole în reviste și în volumele unor manifestări științifice indexate în alte baze de date internaționale (BDI)	20 în reviste - 5	26 în reviste - 9
2.4.1. Director de proiect / responsabil partener	2	3
3.1.1. Citări în revistele WOS și volumele conferințelor WOS	10	72
3.2.1. Citări în revistele BDI și volumele conferințelor BDI	20	61
<b>Total puncte Activitatea didactică / profesională (A<sub>1</sub>)</b>	<b>120</b>	<b>306,87</b>
<b>Total puncte Activitatea de cercetare (A<sub>2</sub>)</b>	<b>360</b>	<b>486,42</b>
<b>Total puncte Recunoașterea impactului activității (A<sub>3</sub>)</b>	<b>120</b>	<b>563,28</b>
<b>Total A<sub>1</sub>+A<sub>2</sub>+A<sub>3</sub></b>	<b>600</b>	<b>1356,57</b>

*Data:04.05.2026*  
*Candidat, conf.univ.dr.ing. Costică Nițucă*

COMISIA INGINERIE ELECTRICĂ - Standarde minimale necesare și obligatorii pentru conferirea titlurilor didactice din învățământul superior și a gradelor profesionale de cercetare-dezvoltare

Nr. crt.	Domeniul activităților	Tipul activităților	Categorii și restricții	Subcategoriile	Indicatori (k <sub>pi</sub> )
0	1	2	3	4	5
<b>1. Activitatea didactică/profesională (A<sub>1</sub>)</b>					
<b>1</b>	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>Profesor minimum 4</b>	
				1.1.1.1. Internaționale	nr.pagini/(2*nr.aurori)
				<b>1.</b> T. Stanciu, C. Nițucă, <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.pagini/(5*n r.aurori)
				<b>2.</b> C. Nițucă, I. Nucă, A. T. Pleșca, G. Chiriac, V. Cazac, M. Burduniuc, <i>Improving the cross-border public transportation using electric buses supplied with renewable energy</i> , Editura Tritonic Books, București, 2022, 220 pagini, ISBN 978-606-749-584-3, (în limba engleză).	220/(5*6)= <b>7,33</b>
				<b>3.</b> C. Nițucă, I. Nucă, Horga Cristina, A. T. Pleșca, G. Chiriac, G. Gabor, Daniela Gârlea, Maria Zagoreț, V. Cazac, M. Burduniuc, A. Moldovan, <i>Improving of the energetical performances for electric bus used in urban and interurban transport</i> , Editura Tritonic Books, București, 2022, 40 pagini, ISBN 978-606-749-585-0, (în limba engleză).	40/(5*11)= <b>0,72</b>
				<b>4.</b> C. Nițucă, <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>
		<b>5.</b> L. Cantemir, C. Nițucă, 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>		
		<b>6.</b> C. Nițucă, 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>		
		1.2. Suport didactic	1.2.1 Suport de curs inclusiv electronic	<b>Profesor minimum 2, din care 1 ca prim autor</b>	nr. pag. / (10*nr.aurori)
		<b>1.</b> C. Nițucă, <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>		
		<b>2.</b> C. Nițucă, <i>Tehnica muncii intelectuale</i> , Editura Tehnopress, Iași, 2016, 190 pagini, ISBN 978-606-687-292-8.	190/(10*1)= <b>19</b>		
		<b>3.</b> C. Nițucă, <i>Electronică analogică și digitală. Suport de curs</i> , - 303 pagini; <a href="https://www.costica-nituca.ieceia.tuiasi.ro/wp-content/uploads/2026/04/Electronica_Curs_Nituca.pdf">https://www.costica-nituca.ieceia.tuiasi.ro/wp-content/uploads/2026/04/Electronica_Curs_Nituca.pdf</a>	303/(10*1)= <b>30,3</b>		
		<b>4.</b> C. Nițucă, <i>Circuite integrate analogice. Suport de curs</i> - 140 pagini; <a href="https://www.costica-nituca.ieceia.tuiasi.ro/wp-content/uploads/2026/04/CIA_Curs_Nituca.pdf">https://www.costica-nituca.ieceia.tuiasi.ro/wp-content/uploads/2026/04/CIA_Curs_Nituca.pdf</a>	140/(10*1)= <b>14</b>		
<b>5.</b> C. Nițucă, <i>Bazele creației tehnice. Suport de curs</i> - 176 pagini; <a href="https://www.costica-nituca.ieceia.tuiasi.ro/wp-content/uploads/2026/04/BCT_Curs_Nituca.pdf">https://www.costica-nituca.ieceia.tuiasi.ro/wp-content/uploads/2026/04/BCT_Curs_Nituca.pdf</a>	176/(10*1)= <b>17,6</b>				
<b>6.</b> C. Nițucă, <i>Etică și integritate. Suport de curs</i> - 125 pagini; <a href="https://www.costica-nituca.ieceia.tuiasi.ro/wp-content/uploads/2026/04/EI_Curs_Nituca.pdf">https://www.costica-nituca.ieceia.tuiasi.ro/wp-content/uploads/2026/04/EI_Curs_Nituca.pdf</a>	125/(10*1)= <b>12,5</b>				

			1.2.2. Îndrumare de laborator / aplicații:	<b>Profesor minimum 2 din care minimum 1 prim autor</b>	nr. pag. / (20*nr.autori)
				1. <b>C. Nițucă</b> , <i>Bazele creației tehnice. Indrumar</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>
				4. <b>C. Nițucă</b> , <i>Bazele creației tehnice. Îndrumar</i> – 58 pagini, <a href="https://www.costica-nituca.ieceia.tuiasi.ro/wp-content/uploads/2026/04/BCT_Indrumar_Nituca.pdf">https://www.costica-nituca.ieceia.tuiasi.ro/wp-content/uploads/2026/04/BCT_Indrumar_Nituca.pdf</a>	58/(20*1)= <b>2,9</b>
				5. <b>C. Nițucă</b> , <i>Circuite integrate analogice. Indrumar</i> , - 60 pagini; <a href="https://www.costica-nituca.ieceia.tuiasi.ro/wp-content/uploads/2026/04/CIA_Indrumar_Nituca.pdf">https://www.costica-nituca.ieceia.tuiasi.ro/wp-content/uploads/2026/04/CIA_Indrumar_Nituca.pdf</a>	60/(20*1)= <b>3</b>
<b>Total - Activitatea didactică/profesională (A<sub>1</sub>)</b>					<b>306,87</b>
<b>2. Activitatea de cercetare (A<sub>2</sub>)</b>					
		2.1. Articole în extenso în reviste cotate WOS Thomson Reuters <sup>[1]</sup> în volume proceedings indexate WOS Thomson- Reuters si brevete de inventie WOS Derwent	2.1.1.	<b>Profesor - minimum 10 articole din care minimum 4 ca prim autor și minimum 4 în reviste</b>	(25+20*factor impact <sup>[2]</sup> ) /nr. de autori
				1. <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> , <b>Volume 96</b> , March 2013, Pages: 211–217. Doi: ISSN: 0378-7796, eISSN: 1873-2046, <b>JIF (2024): 4,2, Q2</b> , (Indexat Science Direct, WOS, Scopus). <b>WOS:000315612100025</b> <a href="https://doi.org/10.1016/j.epsr.2012.11.009">dx.doi.org/10.1016/j.epsr.2012.11.009</a>	(25+20*4,2)/1 = <b>109</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> , Hindawi, Modelling and Simulation in Engineering, Volume 2018, Issue 1, Article ID 7329014, 12 pages, 2018, ISSN: 1687-5591; eISSN: 1687-5605, <b>JIF (2024): 1,3, Q3</b> , (Indexat WOS, Scopus). <b>WOS: 000429430400001</b> <a href="https://doi.org/10.1155/2018/7329014">https://doi.org/10.1155/2018/7329014</a>	(25+20*1,3)/6 = <b>8,5</b>
				3. <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, 2019, Volume: 23, Issue: 2, pp. 589-597, part. A, <a href="https://thermalscience.rs/2019/2/15">https://thermalscience.rs/2019/2/15</a> , ISSN: 0354-9836; eISSN: 2334-7163; <b>JIF (2024): 1,1, Q4</b> , (Indexat WOS, Scopus). <b>WOS: 000462414100015</b> <a href="https://doi.org/10.2298/TSCI180420190N">https://doi.org/10.2298/TSCI180420190N</a>	(25+20*1,1)/7 = <b>6,71</b>
				4. G. Chiriac, D.D. Lucache, <b>C. Nițucă</b> , A. Dragomir, S. Ramakrishna, <i>Electric Bus Indoor Heat Balance in Cold Weather</i> , APPLIED SCIENCES-BASEL, Volume 11, Issue 24, 2021, Article Number 11761, , <a href="https://www.mdpi.com/2076-3417/11/24/11761">https://www.mdpi.com/2076-3417/11/24/11761</a> , eISSN: 2076-3417, <b>JIF (2024): 2,5, Q4</b> , (Indexat WOS, Scopus). <b>WOS: 000735789500001</b> <a href="https://doi.org/10.3390/app112411761">https://doi.org/10.3390/app112411761</a>	(25+20*2,5)/5 = <b>15</b>
2	Activitatea de cercetare (A <sub>2</sub> )				

			<p>5. C. Nițucă, A. Dragomir, G. Gabor, G. Chiriac, <i>Simulated thermal response of a battery pack used by electric two-wheelers</i>, Thermal Science, 2025, ISSN: 2334-7163; eISSN: 0354-9836, <b>JIF (2024): 1,1, Q4</b>, (Indexat ProQuest, Copernicus, EBSCO).  <a href="https://thermalscience.rs/online-first/6528">https://thermalscience.rs/online-first/6528</a>  <a href="https://doi.org/10.2298/TSCI250724194N">https://doi.org/10.2298/TSCI250724194N</a></p>	(25+20*1,1)/4 = <b>11,75</b>
			<p>6. M. Burduniuc, C. Raileanu, O. Mangos, V. Cazac, Gh. Terteia, C. Nițucă, <i>Automated System for Real-Time Testing of Multiphase Asynchronous Electric Motors</i>, 2025 International Conference On Electromechanical And Energy Systems, SIELMEN, Page, 691-695, Iasi, Romania, OCT 16-18, 2025. (Indexat WOS, Scopus).  <b>WOS:001669739200123</b>,  DOI: <a href="https://doi.org/10.1109/SIELMEN67352.2025.11260762">10.1109/SIELMEN67352.2025.11260762</a></p>	(25+20*0)/4= <b>6,25</b>
			<p>7. Gabor, G., Nituca, C., Dragomir, A., Chiriac, G., Cazac, V., Boca, M., <i>Low Voltage Circuit Breaker Controlled by Programmable Logic Controller</i>, 15th International Conference on Electromechanical and Energy Systems-SIELMEN, 2025, OCT 16-18, 2025, pp.862-866, 2025, (Indexat WOS, Scopus).  <b>WOS:001669739200155</b>,  DOI: <a href="https://doi.org/10.1109/SIELMEN67352.2025.11260766">10.1109/SIELMEN67352.2025.11260766</a></p>	(25+20*0)/6= <b>7,16</b>
			<p>8. G. Chiriac, C. Nițucă, D. Sticea, <i>Electric Locomotive Laboratory Test Bench for Research and Educational Purposes</i>, 8th International Conference on Modern Power Systems, MPS 2019, 21-23 may, 2019, paper 172, Cluj Napoca, Romania, Publisher: IEEE (Institute of Electrical and Electronics Engineers), (Indexat WOS, Scopus, IEEE Xplore).  <b>WOS: 000612401900003</b>  DOI: <a href="https://doi.org/10.1109/MPS.2019.8759652">10.1109/MPS.2019.8759652</a></p>	(25+20*0)/3= <b>8,33</b>
			<p>9. C. Nițucă, 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 Expositions on Electrical and Power Engineering, EPE 2018, pp. 932–936, Iasi, Romania, OCT 18-19, 2018, (Indexat WOS, Scopus, IEEE Xplore).  <b>WOS: 000458752200182</b>,  DOI: <a href="https://doi.org/10.1109/ICEPE.2018.8559792">10.1109/ICEPE.2018.8559792</a></p>	(25+20*0)/5= <b>5</b>
			<p>10. C. Nițucă, G. Chiriac, C. I. Gatu, D. Cuciureanu, I. Murgescu, <i>Laboratory Off-Grid Photovoltaic System with Two Axes Orientation</i>, Proceedings of the 2018 10th International Conference and Expositions on Electrical and Power Engineering, EPE 2018, pp. 846–849, Iasi, Romania, OCT 18-19, 2018, (Indexat WOS, Scopus).  <b>WOS: 000458752200165</b>,  DOI: <a href="https://doi.org/10.1109/ICEPE.2018.8559755">10.1109/ICEPE.2018.8559755</a></p>	(25+20*0)/5= <b>5</b>
			<p>11. Șt. Patrichi, C. Nițucă, G. Chiriac, A. Pleșca, Z. Liu, Y. Geng, <i>Simulating Thermal Phenomena Occurring in Fast Electric Fuses Used for Power Electronic Protection</i>, EPE 2018 - Proceedings of the 2018 10th International Conference and Expositions on Electrical And Power Engineering, Iasi, Romania, OCT 18-19, 2018, Pages: 910-915, (Indexat WOS, Scopus, IEEE Xplore).  <b>WOS:000458752200178</b>,  DOI: <a href="https://doi.org/10.1109/ICEPE.2018.8559748">10.1109/ICEPE.2018.8559748</a></p>	(25+20*0)/6= <b>4,16</b>
			<p>12. M. Cardasim, C. Nițucă, A. Pleșca, G. Chiriac, C. Dumitrescu, <i>Reliability Parameters Estimation for a Railway Catenary Power System</i>, EPE 2018, 10th International Conference and Expositions on Electrical</p>	(25+20*0)/5= <b>5</b>

			and Power Engineering, pp. 1051–1056, Iasi, Romania, OCT 18-19, 2018, (Indexat WOS, Scopus, IEEE <i>Xplore</i> ). <b>WOS:000458752200206</b> <b>DOI: <a href="https://doi.org/10.1109/ICEPE.2018.8559779">10.1109/ICEPE.2018.8559779</a></b>	
			<b>13.</b> D. Cuciureanu, <b>C. Nițucă</b> , G. Chiriac, D. Sticea, <i>Analysis of the Photovoltaic Panels Currently in Use in Different Locations</i> , 9th International Conference and Exposition on Electrical and Power Engineering (EPE), Iasi, Romania, OCT 20-22, 2016, Pages: 888-893, (Indexat WOS, Scopus, IEEE <i>Xplore</i> ). <b>WOS: 000390706300174</b> , <b>DOI: <a href="https://doi.org/10.1109/ICEPE.2016.7781464">10.1109/ICEPE.2016.7781464</a></b>	$(25+20*0)/4=$ <b>6,25</b>
			<b>14.</b> L. Cantemir, A. Rachid, <b>C. Nițucă</b> , I.C. Bărbântă, G. Chiriac, A.P. Alexandrescu, <i>Echipament de acționare electromagnetică a unui culegător de curent de tip pantograf</i> , <b>Brevet de invenție</b> , Nr. 128199, RO 128199 B1, Data depozit 23.08.2011, Data eliberării 28.02.2018. <a href="http://pub.osim.ro/publication-server/pdf-document?PN=RO128199%20RO%20128199&amp;iDocId=10504&amp;iepatch=.pdf">http://pub.osim.ro/publication-server/pdf-document?PN=RO128199%20RO%20128199&amp;iDocId=10504&amp;iepatch=.pdf</a>	$(25+20*0)/6=$ <b>4,16</b>
	2.2. Articole în reviste și în volumele unor manifestări științifice indexate în alte baze de date internaționale (BDI <sup>(3)</sup> )	2.2.1.	<b>Profesor minimum 20 articole din care minimum 5 în reviste</b>	20/nr. de autori
			<b>1.</b> <b>C. Nițucă</b> , <i>Thermal analisis for a double sided linear induction motor</i> , <a href="https://doi.org/10.19044/esj.2013.v9n9p%25p">European Scientific Journal. ESJ</a> , March 2013, vol.9, No.9, pp. 38-50, SSN: 1857 – 7881 (Print) e - ISSN 1857-743, (Indexat EBSCO, PROQUEST, Copernicus, Ulrich's). <a href="https://eujournal.org/index.php/esj/issue/view/68">https://eujournal.org/index.php/esj/issue/view/68</a> <a href="https://www.academia.edu/104647293/Thermal_Analisis_for_a_Double_Sided_Linear_Induction_Motor">https://www.academia.edu/104647293/Thermal Analisis for a Double Sided Linear Induction Motor</a> <b>DOI: <a href="https://doi.org/10.19044/esj.2013.v9n9p%25p">https://doi.org/10.19044/esj.2013.v9n9p%25p</a></b>	$20/1=$ <b>20</b>
			<b>2.</b> <b>C. Nițucă</b> , D. Cuciureanu and G. Chiriac, <i>Switched Reluctance Generator for Low Speed Wind Turbines with Counter-Rotary Drive</i> , Indian Journal of Science and Technology, <b>2016, Volume: 9, Issue: 40</b> , Article number 86733, ISSN: 0974-6846, (Indexat Scopus). <b>DOI: <a href="https://doi.org/10.17485/ijst/2016/v9i40/86733">10.17485/ijst/2016/v9i40/86733</a></b>	$20/3=$ <b>6,66</b>
			<b>3.</b> D. Cuciureanu, <b>C. Nițucă</b> , G. Chiriac, <i>Force Estimation of an Asymmetrical Pantograph for Different Damper Positions</i> , Indian Journal of Science and Technology, <b>2016, Volume: 9, Issue: 40</b> , Article number 88878, ISSN: 0974-6846, (Indexat Scopus). <b>DOI: <a href="https://doi.org/10.17485/ijst/2016/v9i40/88878">10.17485/ijst/2016/v9i40/88878</a></b>	$20/3=$ <b>6,66</b>
			<b>4.</b> G. Chiriac, D. Cuciureanu, <b>C. Nițucă</b> , <i>Critical Speed Impact over the Pantograph-Catenary System's Behaviour</i> , Indian Journal of Science and Technology, <b>2016, Volume: 9, Issue: 40</b> , Article number 86736, ISSN: 0974-6846, (Indexat Scopus). <b>DOI: <a href="https://doi.org/10.17485/ijst/2016/v9i40/86736">10.17485/ijst/2016/v9i40/86736</a></b>	$20/3=$ <b>6,66</b>
			<b>5.</b> <b>C. Nițucă</b> , G. Chiriac, <i>Pantograph driven with a linear induction motor with adaptive fuzzy control</i> , Journal of Energy Technology: Vol. 12 No. 1, April 2019, (Indexat INSPEC, PROQUEST, EBSCO). <a href="https://www.fe.um.si/images/jet/JET_april_2019_splet.pdf">https://www.fe.um.si/images/jet/JET_april_2019_splet.pdf</a> <b>DOI: <a href="https://doi.org/10.18690/jet.12.1.41-54.2019">https://doi.org/10.18690/jet.12.1.41-54.2019</a></b>	$20/2=$ <b>10</b>
			<b>6.</b> A. Plesca, <b>C. Nițucă</b> , G. Chiriac, Zhiyuan Liu, Yingsan Geng, <i>Pspice simulations for single-phase rectifiers for testing dc fuses</i> , Journal of Energy Technology: Vol. 12 No. 2, September 2019, (Indexat INSPEC, PROQUEST, EBSCO). <b>DOI: <a href="https://doi.org/10.18690/jet.12.2.11-17.2019">https://doi.org/10.18690/jet.12.2.11-17.2019</a></b>	$20/5=$ <b>4</b>

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			<p>9. G.C. Pintilie, A.T. Pleșca, G. Gabor, C. Nițucă and G. Chiriac, <i>Thermal analysis of tankless heating systems</i>, Buletinul Institutului Politehnic din Iași Publicat de Universitatea Tehnică „Gheorghe Asachi” din Iași Volumul 64 (68), Numărul 2, 2018 Secția Electrotehnică. Energetică. Electronică, 2018. (Index Copernicus, Ulrich's). <a href="http://www.bulipi-eee.tuiasi.ro/archive/2018/fasc.2/p9_f1_2018.pdf">http://www.bulipi-eee.tuiasi.ro/archive/2018/fasc.2/p9_f1_2018.pdf</a></p>	20/5= 4
			<p>10. A. Dragomir, M. Adam, G. Chiriac, D. Murgoci, A. Vilcu, C. Nițucă, <i>Infrared Monitoring of Low Voltage Switch Separator Contact Resistance</i>, 2023 International Conference on Electromechanical and Energy Systems, SIELMEN 2023 12 – 13 October 2023, Chișinău, R. Moldova, (Indexat Scopus, IEEE Xplore). DOI: <a href="https://doi.org/10.1109/SIELMEN59038.2023.10290782">10.1109/SIELMEN59038.2023.10290782</a></p>	20/6= 3,33
			<p>11. G. Chiriac, D.D. Lucache, C. Nițucă and G. Gabor, <i>Aspects Regarding the Heating of Electric Buses</i>, SIELMEN 2021, 11th International Conference on Electromechanical and Energy Systems, pp. 481–486, (Indexat IEEE Xplore). DOI: <a href="https://doi.org/10.1109/SIELMEN53755.2021.9600435">10.1109/SIELMEN53755.2021.9600435</a></p>	20/4= 5
			<p>12. Ilie Nuca, Cazac V. Burduniuc M., Nițucă C., Chiriac G., Gabor G., <i>A Hybrid Charging System Design for Electric Vehicles with Autonomous Power Source</i>, SIELMEN 2021, 11th International Conference on Electromechanical and Energy Systems, pp. 487–490, (Indexat Scopus, IEEE Xplore). DOI: <a href="https://doi.org/10.1109/SIELMEN53755.2021.9600328">10.1109/SIELMEN53755.2021.9600328</a></p>	20/6= 3,33
			<p>13. G. Gabor, A.T. Pleșca, F.A. Rusu, C. Nițucă, <i>Analysis of sliding electromagnetic coupling parameters in a PLC automation system</i>, 2019 International Conference on Electromechanical and Energy Systems, SIELMEN 2019, Craiova, Romania, 9-11 Oct. 2019, eISBN: 978-1-7281-4011-7, USB ISBN: 978-1-7281-4010-0, (PoD) ISBN: 978-1-7281-4012-4, (Indexat IEEE Xplore). DOI: <a href="https://doi.org/10.1109/SIELMEN.2019.8905912">10.1109/SIELMEN.2019.8905912</a></p>	20/4= 5
			<p>14. Șt. Patrîchi, A. Pleșca, C. Nițucă, G. Chiriac, J. Wang, X. Huang, <i>Thermal Modeling and Simulations for Fast Electric Fuses</i>, EPE 2018 - Proceedings of the 2018 10th International Conference and Expositions on Electrical And Power Engineering, Iasi, Romania, OCT 18-19, 2018, Pages: 920-923. (Indexat WOS, Scopus, IEEE Xplore). WOS: 000458752200180 DOI: <a href="https://doi.org/10.1109/ICEPE.2018.8559677">10.1109/ICEPE.2018.8559677</a></p>	(20)/6= 3,33
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			<p>18. 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 Iasi, Romania, OCT 18-19, 2018, Pages: 614-617, (Indexat WOS, IEEE Xplore).  <b>WOS:000458752200119</b>,  <b>DOI: <a href="#">10.1109/ICEPE.2018.8559857</a></b></p>	20/5= 4
			<p>19. G. Chiriac, <b>C. Nițucă</b>, M. Cardasim, <i>Failures Analysis in the 25 kV/50 Hz Railway Substations</i>, International Conference on Electromechanical and Power Systems (SIELMEN-2017), Iasi, Romania, OCT 11-13, 2017, Pages: 407-410, (Indexat WOS, Scopus, IEEE Xplore).  <b>WOS:000426906000077</b>,  <b>DOI: <a href="#">10.1109/SIELMEN.2017.8123357</a></b></p>	20/3= 6,66
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			<p>21. Aparaschivei, G. Chiriac, <b>C. Nițucă</b>, T. A. Plesca, <i>Analysis of a Cable Lug Failure for a Recycle Compressor Trip</i>, International Conference on Electromechanical and Power Systems (SIELMEN-2017), Iasi, Romania, OCT 11-13, 2017, Pages: 403-406, (Indexat WOS, Scopus, IEEE Xplore).  <b>WOS: 000426906000076</b>,  <b>DOI: <a href="#">10.1109/SIELMEN.2017.8123355</a></b></p>	20/4= 5
			<p>22. 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>, International Conference on: Pantograph-Catenary Interaction Framework for Intelligent Control - PACIFIC 2011, December 8th 2011, Amiens, France, pp. 48-53, Conference Paper, Published 2011, Code 92659, (Indexat Scopus).  <b>EID: 2-s2.0-84866320723</b></p>	20/4= 5
			<p>23. 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>, EPE 2018 - Proceedings of the 2018 10th International Conference and Expositions on Electrical And Power Engineering, Iasi, Romania, OCT 18-19, 2018, Pages: 1057-1062, (Indexat WOS, Scopus).  <b>WOS: 000458752200207</b>,  <b>DOI: 10.1109/ICEPE.2018.8559926</b></p>	20/4= 5
			<p>24. <b>C. Nițucă</b>, Magdalena Iorga, <i>The Importance of Training Trainers Using Education Soft and Technologies</i>, 16th International Conference on Modern Technologies, Quality and Innovation, Sinaia, Romania, MAY 24-26, 2012, Pages: 681-684, (Indexat WOS).</p>	20/2= 10

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			<b>25. C. Nițucă, T. Stanciu, Core competencies in a changing educational environment essential in the act of teaching technical and technological subjects, 5th International Conference on Manufacturing Science and Education on Creative Thinking in Engineering and Academic Education, Sibiu, Romania, JUN 02-05, 2011, VOL II, Pages: 47-50, (Indexat WOS). WOS: 000393733900012</b>	20/2= <b>10</b>
			<b>26. C. Nițucă, T. Stanciu, Study case for teaching in a e-learning open source environment, Conference: 5th International Conference on Manufacturing Science and Education on Creative Thinking in Engineering and Academic Education, Location: Sibiu, Romania, JUN 02-05, 2011, VOL II, Pages: 101-104, (Indexat WOS). WOS: 000393733900025</b>	20/2= <b>10</b>
	2.4 Granturi / proiecte câștigate prin competiție națională / internațională	2.4.1. Director / Responsabil proiect partener:	<b>Pentru profesor minimum 2</b>	
			2.4.1.1. Internaționale	20*ani de desfășurare
			<b>1. Director proiect – C. Nițucă – Improving the technical and energy performances of multiphase propulsion systems on electric buses - Îmbunătățirea performanțelor tehnice și energetice ale sistemelor de propulsie multifazice pentru autobuze electrice - IPEBUS, PN-IV-PCB-RO-MD-2024-0264, Proiecte complexe bilaterale cu Republica Moldova, Programul 5.8 – Cooperare Europeană și Internațională – Subprogramul 5.8.3 - Bilateral/Multilateral (din PNC DI IV), C.F. nr. 38PCBROMD/2025. Volumul finanțării: 589.750,00 lei. Perioada de desfășurare: 01.09.2025 – 01.09.2027. <b>Adeverință TUIASI: Nr. 9656/19.03.2026.</b> <a href="http://www.ipebus.tuiasi.ro/">http://www.ipebus.tuiasi.ro/</a></b>	20*2= <b>40</b>
			<b>2. Director proiect – C. Nițucă - „Improving the cross-border public transportation using electric buses supplied with renewable energy / Îmbunătățirea transportului public transfrontalier folosind autobuze electrice alimentate cu energie regenerabilă” – ELBUS, 2SOFT/3.1/54, European Neighbourhood Instrument (ENI), Cross Border Cooperation (CBC) from Joint Operational Programme Romania–Republic of Moldova, Priority 3.1 – Development of cross border transport infrastructure and ICT infrastructure. Volumul finanțării: 97,880.00 Euro. Perioada de desfășurare: 01.04.2020 – 30.03.2022. <b>Adeverință TUIASI: Nr. 9656/19.03.2026.</b> <a href="http://www.elbus.ieeia.tuiasi.ro/">http://www.elbus.ieeia.tuiasi.ro/</a></b>	20*2= <b>40</b>
			<b>3. Director proiect – C. Nițucă - "The experimental study on overload current arc characteristics of DC electric fuse / Studiul experimental al caracteristicilor curentului de arc de suprasarcină la siguranțele fuzibile de curent continuu" - DCFUSE, România-China, Contract PN-III-P3-3.1-PM-RO-CN-2018-25BM. Volumul finanțării: 24.552,00 Lei. Perioada de desfășurare: 02.07.2018 – 31.12.2019. <b>Adeverință TUIASI: Nr. 9656/19.03.2026.</b> <a href="http://www.dcfuse.tuiasi.ro/">http://www.dcfuse.tuiasi.ro/</a></b>	20*1,8= <b>36</b>
		2.4.2. Membru în echipă	2.4.2.1. Internaționale	4*ani de desfășurare
			<b>1. Membru în echipa proiectului „Modelling and simulation of the current limiting fuses”, Capacities, Module III, Bilateral Research Project China - Romania, Contract no. 610/01.01.2013. Director de proiect, prof.dr.ing. T. A. Pleșca. Volumul finanțării: 26.600,00 Lei. Proiect de implementare 2013-2014. <b>Adeverință TUIASI: Nr. 9656/19.03.2026.</b></b>	4*1,8= <b>7,2</b>

				2.4.2.2. Naționale	2*ani de desfășurare
				<p><b>1. Membru</b> în echipa proiectului “<i>New concept on energy efficiency heating system for the passenger thermal comfort in the electric buses // Nou concept de sistem de încălzire cu eficiență energetică pentru confortul termic al pasagerilor în autobuzele electrice- THERMAL-E-BUS</i>”, Granturi Interne – Idei de proiect, nr. GI/P 9_IDEI/2021, Universitatea Tehnică „Gheorghe Asachi” din Iași  Director proiect: S.I.dr.ing. G. Chiriac.  Volumul finanțării: 39.687,36 lei  Perioada: 01.08.2021 - 15.12.2021. <b>Adeverință TUIASI: Nr. 9656/19.03.2026.</b></p>	2*0,5=1
<b>Total Activitatea de cercetare (A2)</b>					<b>486,42</b>
<b>3. Recunoașterea și impactul activității (A3)</b>					
<b>3</b>	Recunoașterea și impactul activității (A3)	<b>3.1. Citări în revistele WOS și volumele conferințelor WOS<sup>[5]</sup></b>	3.1.1.	3.1.1. <b>Profesor minimum 10 citări</b> = Realizat <b>72 citări</b>	5/nr.autori ai articolului citat
				<p><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>, <b>Volume 96</b>, 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>, Accession Number: WOS:000315612100025, Document Type: Article. ISSN: 0378-7796, eISSN: 1873-2046, <b>Journal Impact Factor (2024): 4,2, Category Quartile – Q2, (Indexat Science Direct, WOS, Scopus).</b>  <b>Citat de (35 citări):</b></p>	
				<p><b>1.</b> Sui, YJ (Sui, Yijin); Xing, PF (Xing, Pengfei); Li, GB (Li, Guobin); Zhang, HP (Zhang, Hongpeng); Wang, WZ (Wang, Wenzhong); Zhang, HB (Zhang, Haibo), <a href="#">Theoretical Modeling and Numerical Simulation of Current-Carrying Friction and Wear: State of the Art and Challenges</a>, Aug 21 2025, 13(8), Published AUG 2025.</p>	5/1=5
				<p><b>2.</b> Li, BQ (Li, Bingquan); Zhao, YJ (Zhao, Yijian); Ji, R (Ji, Ran); Dong, HJ (Dong, Huajun); Wei, NN (Wei, Ningning), <a href="#">Arc Dynamics and Erosion Behavior of Pantograph-Catenary Contacts Under Controlled Humidity Levels</a>, Aug 21 2025, <a href="#">SENSORS</a>, 25(16), Published AUG 2025.</p>	5/1=5
				<p><b>3.</b> Song, EH (Song, Enhao); Bi, YL (Bi, Yonglei); Wu, AZ (Wu, Aizhong), <a href="#">Multi-field modelling and temperature rise analysis for the pantograph-catenary contact of metro train during a temporary stop</a>, Jan 2025 (Early Access), <a href="#">PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE</a>, Published JAN 2025.</p>	5/1=5
				<p><b>4.</b> Zhou, N; Wei, HF; Zhang, WH, <a href="#">Study of the dynamics behavior of pantograph-catenary system considering three-dimensional asymmetric characteristics</a>, Jan 2025 (Early Access), <a href="#">VEHICLE SYSTEM DYNAMICS</a>, Published JAN 2025.</p>	5/1=5
				<p><b>5.</b> Wei, HF (Wei, Haifei); Zhou, N (Zhou, Ning); Cheng, Y (Cheng, Yao); Zhi, XS (Zhi, Xingshuai); Zhang, WH (Zhang, Weihua), <a href="#">Study of a semi-data-driven high-precision spatial load spectrum fitting method for pantograph design</a>, Mar 2025, <a href="#">PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART F-JOURNAL OF RAIL AND RAPID TRANSIT</a>, 239(3), pp.246-257, Published MAR 2025.</p>	5/1=5
				<p><b>6.</b> Xing, T (Xing, Tong); Yi, XD (Yi, Xudong); Yu, ZQ (Yu, Zhiqiang); Pan, LK (Pan, Like); Sun, JX (Sun, Jianxiang) et all., <a href="#">Electrical Behaviors and Material Erosions of Current Collector Shoe and Contact Rail During Offline Discharge</a>, 2025, 13, pp.179776-179788, Published 2025.</p>	5/1=5
				<p><b>7.</b> Pan, LK (Pan, Like); Yi, XD (Yi, Xudong); Xing, T (Xing, Tong); Yu, ZQ (Yu, Zhiqiang); et.all., <a href="#">Arc Erosion Behaviors of Pantograph of High-Speed Train During Its Rise and Fall Processes</a>, 2025, <a href="#">IEEE ACCESS</a>, 13, pp.165144-165156, Published 2025.</p>	5/1=5
<p><b>8.</b> Dankesreiter, BT (Dankesreiter, Benjamin T.); Talukder, S (Talukder, Sujoy); Yeo, CD (Yeo, Chang-Dong); Kuether, RJ (Kuether, Robert J.), <a href="#">Dynamic response of electrical contact resistance (ECR) under structural vibration</a>, Jul 2024, <a href="#">ACTA MECHANICA</a>, 235(7), pp.4215-4227, Published JUL 2024.</p>	5/1=5				

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			<p>10. Wang, Hong; Gao, Guoqiang; Lei, Deng; Wang, Qingsong; et.ell., <i>Influence of Interface Temperature on the Electric Contact Characteristics of a C-Cu Sliding System</i>, <a href="#">Coatings</a>, MDPI, Volume 12, Issue 11, Article Number 1713, DOI 10.3390/coatings12111713, Published NOV 2022.</p>	5/1=5
			<p>11. Yang, XN; Li, XM and Wang, SC, <i>Study on simulation of multifield coupled wear in reciprocating electrical contact</i>, <a href="#">INDUSTRIAL LUBRICATION AND TRIBOLOGY</a>, Jan 2 2023, 75(1), pp.98-109, Published IAN 2023.</p>	5/1=5
			<p>12. Li, Shuaibing; Yang, Xingzu; Kang, Yongqiang; Li, Zongying; Li, Hongwei; <i>Progress on Current-Carry Friction and Wear: An Overview from Measurements to Mechanism</i>, <a href="#">COATINGS</a>, MDPI, Volume 12, Issue 9, Article Number 1345, DOI 10.3390/coatings12091345, Published SEP 2022.</p>	5/1=5
			<p>13. Zuo, Xue; Du, Mengdi; Zhou, Yuankai; <i>Influence of contact parameters on the coupling temperature of copper-brass electrical contacts</i>, Jun 2022, <a href="#">ENGINEERING FAILURE ANALYSIS</a>, <a href="https://doi.org/10.1016/j.engfailanal.2022.106205">https://doi.org/10.1016/j.engfailanal.2022.106205</a>, Volume 136, June 2022, 106205, Published June 2022.</p>	5/1=5
			<p>14. Dragomir, A.; Adam, M.; Andrusca, M.; Grigoras, G.; Dragomir, M.; Ramakrishna, S., <i>Modeling, Simulation and Monitoring of Electrical Contacts Temperature in Railway Electric Traction</i>, <a href="#">MATHEMATICS</a>, Volume 9, Issue 24, Article Number 3191, DOI 10.3390/math9243191, Published DEC 2021, Journal Impact Factor - 2.258, Document Type - Article.</p>	5/1=5
			<p>15. Manka, A.; Helka, A.; Cwiek, J, <i>The Influence of Pantograph Carbon-Metal Composite Slider Thermal Properties on the Railroad Wire Temperature</i>, <a href="#">ENERGIES</a>, Volume 14, Issue 23, Article Number 7940, DOI 10.3390/en14237940, Published DEC 2021, Journal Impact Factor - 3.004, Document Type - Article.</p>	5/1=5
			<p>16. van Heerden, ASJ; Judt, DM; Jafari, S; Lawson, CP; Nikolaidis, T; Bosak, D; <i>Aircraft thermal management: Practices, technology, system architectures, future challenges, and opportunities</i>, <a href="#">PROGRESS IN AEROSPACE SCIENCES</a>, Volume 128, Article Number 100767, DOI 10.1016/j.paerosci.2021.100767, Published JAN 1 2022.</p>	5/1=5
			<p>17. Xiao, S.; Luo, YP.; Wu, JC.; Zhang, C.; Rao, Y.; Wu, GN.; Deng, ZD.; Sykulski, JK., <i>An Investigation into the Characteristics of a Novel Rotatable Pantograph Catenary System for High-Speed Trains</i>, <a href="#">JOURNAL OF ELECTRICAL ENGINEERING &amp; TECHNOLOGY</a>, Volume 16, Issue 3, Page 1721-1730, DOI 10.1007/s42835-021-00664-1, Published MAY 2021, Journal Impact Factor - 1,069, Document Type - Article.</p>	5/1=5
			<p>18. Liu, XR.; Yang, ZF.; Xiao, S.; Duan, XW.; Gao, GQ.; Wei, WF.; Wu, GN.; Rotaru, M.; Sykulski, JK., <i>Multi-physics analysis and optimisation of high-speed train pantograph-catenary systems allowing for velocity skin effect</i>, <a href="#">HIGH VOLTAGE</a>, Volume 5, Issue 6, Page 654-661, DOI 10.1049/hve.2019.0388, Published DEC 2020, Journal Impact Factor - 4,714, Document Type - Article.</p>	5/1=5
			<p>19. Xiao, S.; Luo, YP.; Wu, JC.; Zhang, C.; Rao, Y.; Wu, GN.; Sykulski, J., <i>Multi-physics analysis of a novel circular pantograph catenary system for high-speed trains</i>, <a href="#">COMPEL-THE INTERNATIONAL JOURNAL FOR COMPUTATION AND MATHEMATICS IN ELECTRICAL AND ELECTRONIC ENGINEERING</a>, Volume 40, Issue 2, Page 95-108, DOI 10.1108/COMPEL-01-2020-0014, Published, JUL 7 2021, Journal Impact Factor - 0,755, Document Type - Article.</p>	5/1=5
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	3.2. Citări în revistele BDI și volumele	3.2.1.	3.2.1. <b>Profesor minimum 20 citări</b> =Realizat <b>61 citări</b>	3/nr.autori ai articolului citat

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	3.4. Membru în collective de redacție sau comitete științifice ale revistelor și manifestărilor științifice, organizator de manifestări științifice, recenzor	3.4.2.	<p><b>BDI</b></p> <p>1. <i>Environmental Engineering and Management Journal</i> (<a href="http://omicron.ch.tuiasi.ro/EEMJ/-TUIASI">http://omicron.ch.tuiasi.ro/EEMJ/-TUIASI</a>, Chunyu Zhang, Liping Liu, <i>The effect of psychological contract on employee green behaviour: takes job crafting as the mediating variable and guanxi as the moderating variable</i>, <b>Reviewer</b> code: 2, MS No. 207_Zhang_21.</p> <p>2. <i>Journal of Engineering Tribology</i>, Chen, Guangxiong, Hu Yan, s.a. <i>Experimental study on the temperature of the contact strip in sliding electric contact</i>, Part J: <i>Journal of Engineering Tribology</i>, Manuscript ID JET-16-0202. <b>Reviewer</b> R1, 7 nov 2016.</p> <p>3. <i>Indian Journal of Science and Technology</i>, Print ISSN: 0974-6846, Online ISSN: 0974-5645, <b>Reviewer ID</b> – 33939 - <i>Mechanical Analysis of Power Electromagnetic Contactors</i></p> <p>4. <i>Indian Journal of Science and Technology</i>, Print ISSN: 0974-6846, Online ISSN: 0974-5645, <b>Reviewer ID</b> - 33913 - <i>Thermal Analysis of Overload Protection Relays Using Finite Element Method</i></p> <p>5. <i>Indian Journal of Science and Technology</i>, Print ISSN: 0974-6846, Online ISSN: 0974-5645, <b>Reviewer</b></p>	6 6 6 6 6

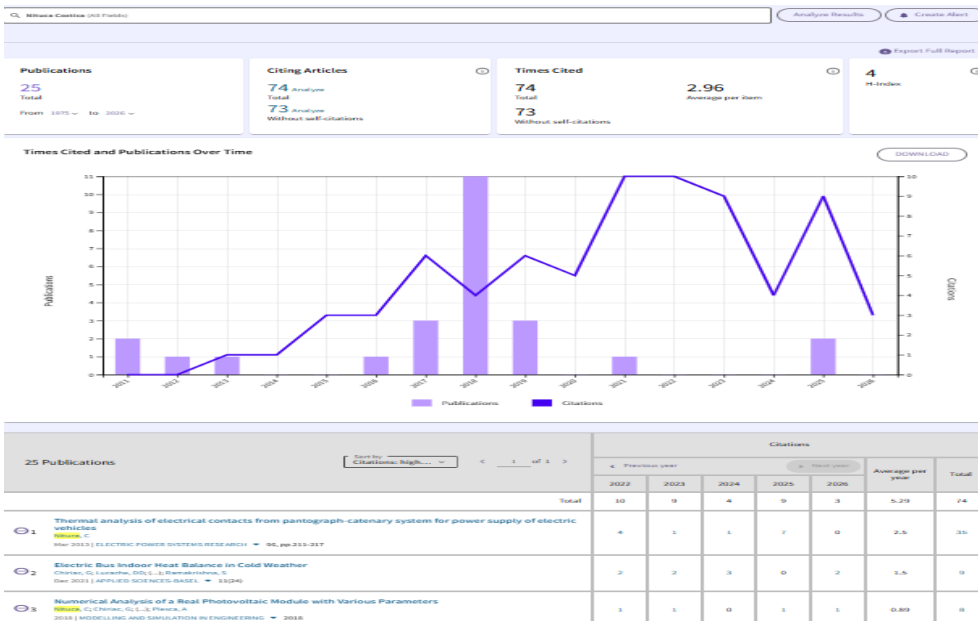
<p>pentru reviste și manifestări științifice naționale și internaționale (punctajul se acordă pentru fiecare revistă, manifestare științifică și recenzie)</p>	<p><b>ID - 62925</b> Implementation of a Novel Switching Method in Generating Output Voltage Having a Frequency Multiple of Input Voltage Frequency</p>	
	<p><b>6.</b> 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</p>	<b>6</b>
	<p><b>7.</b> 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</p>	<b>6</b>
	<p><b>8.</b> 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</p>	<b>6</b>
	<p><b>9.</b> 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</p>	<b>6</b>
	<p><b>10.</b> Indian Journal of Science and Technology, Print ISSN: 0974-6846, Online ISSN: 0974-5645, <b>Reviewer ID – 51118</b> - EXTRACTING ENERGY FROM REVOLVING DOOR</p>	<b>6</b>
	<p><b>11.</b> 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</p>	<b>6</b>
	<p><b>12.</b> 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</p>	<b>6</b>
	<p><b>13.</b> 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</p>	<b>6</b>
	<p><b>14.</b> 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</p>	<b>6</b>
	<p><b>15.</b> 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</p>	<b>6</b>
	<p><b>16.</b> 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</p>	<b>6</b>
	<p><b>17.</b> 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</p>	<b>6</b>
	<p><b>18.</b> 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</p>	<b>6</b>
	<p><b>19.</b> Indian Journal of Science and Technology, Print ISSN: 0974-6846, Online ISSN: 0974-5645, <b>Reviewer ID – 65748</b> - Speech Recognition Using MFCC &amp; VQLBG</p>	<b>6</b>
	<p><b>20.</b> 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</p>	<b>6</b>
	<p><b>21.</b> 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</p>	<b>6</b>
	<p><b>22.</b> Indian Journal of Science and Technology, Print ISSN: 0974-6846, Online ISSN: 0974-5645, <b>Reviewer ID – 62527</b> - Comparative Analysis of Process Variation on Domino Full Adder with Static Full Adder</p>	<b>6</b>
	<p><b>23.</b> Indian Journal of Science and Technology, Print ISSN: 0974-6846, Online ISSN: 0974-5645, <b>Reviewer</b></p>	<b>6</b>

			<b>ID</b> – 61848 - Low Power Estimation on Test Compression Technique for SoC based Design	
			<b>24.</b> Indian Journal of Science and Technology, Print ISSN: 0974-6846, Online ISSN: 0974-5645, <b>Reviewer ID</b> – 53983 - Low Loss 2-bit Distributed MEMS Phase shifter using Chamfered Transmission line	<b>6</b>
			<b>25.</b> Indian Journal of Science and Technology, Print ISSN: 0974-6846, Online ISSN: 0974-5645, <b>Reviewer ID</b> – 87716 - Non-Zero Space Vector Modulation scheme for Indirect Matrix Converter	<b>6</b>
		3.4.3.	<b>Naționale și Internaționale neindexate</b>	
			<b>1. Membru</b> în colectivul de redacție al revistei Tehnocopia, Revistă științifico-metodică semestrială, Chișinău, R. Moldova, ISSN 1857-4904.	<b>3</b>
			<b>2. 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>
			<b>3. Membru</b> în comitetul tehnic al simpozionului A II-le Simpozyon Național Educație – Profesionalizare – Creație în Societatea Cunoașterii, cu participare internațională, EPC – 2009, 6-7 noiembrie 2009, Iași, România.	<b>3</b>
			<b>4. Membru</b> în comitetul științific al conferinței 6 <sup>th</sup> International Conference on Electromechanical and Power Systems, SIELMEN 2007, October 4-6, Cișinău, R. Moldova, ISSN 1842-4805.	<b>3</b>
			<b>5. 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>
			<b>6. Membru</b> în comitetul organizatoric al 3 <sup>rd</sup> Intrațional Conference on Electrical and Power Engineering, EPE 2004, October 7-8, 2004, Faculty of Electrical Engineering, Iași, România.	<b>3</b>
			<b>7. 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>
			<b>8. 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	<b>Naționale</b>	
		3.5.2.	<b>1. Membru</b> în Comisia privind susținerea <i>Raportului de cercetare științifică</i> a drd. ing. Boțoc Dorin, Coordonator, prof.dr.ing. Adrian Traian Pleșca, Tema: <i>Soluții noi privind refrigerarea magnetică prin efectul magnetocaloric</i> , cf. PV 09.03.2020.	<b>5</b>
			<b>2. Membru</b> în Comisia privind susținerea <i>Raportului de cercetare științifică</i> a drd. ing. Gabor Georgel, Coordonator, prof.dr.ing. Adrian Traian Pleșca, Tema: <i>Soluții noi privind comunicațiile industriale între diferite echipamente ale unui sistem electric</i> , cf. PV 09.03.2020.	<b>5</b>
			<b>3. Membru</b> în Comisia privind susținerea <i>Raportului de cercetare științifică</i> a drd. ing. Murariev Gabriel, Coordonator, prof.dr.ing. R. Olaru, Tema: <i>Stadiul actual al cercetării arcurilor electromagnetice și electromagnetice cu elasticitate variabilă și controlabilă. Investigarea unor mosele noi de arcuri electromagnetice cu elasticitate controlabilă</i> , cf. PV 25.03.2022.	<b>5</b>
			<b>4. Membru</b> în Comisia privind susținerea <i>Raportului de cercetare științifică</i> a drd. ing. Roșu Petru Valentin, Coordonator, prof.dr.ing. R. Olaru, Tema: <i>Sisteme fotovoltaice și monitorizarea lor. Stadiul actual al metodelor și strategiilor de monitorizare</i> , cf. PV 15.04.2022.	<b>5</b>
			<b>5. Membru</b> în Comisia privind susținerea <i>Raportului de cercetare științifică</i> a drd. ing. Roșu Petru Valentin, Coordonator, prof.dr.ing. R. Olaru, Tema: <i>Studiul unor metode și tehnici de monitorizare a sistemelor fotovoltaice pentru aplicații specifice</i> , cf. PV 25.07.2022.	<b>5</b>

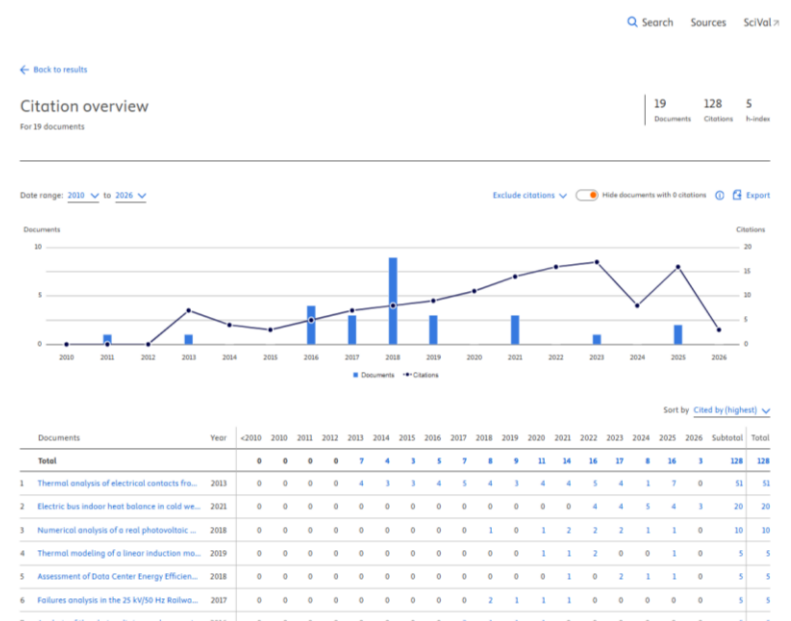
				6. Membru în Comisia privind susținerea <i>Raportului de cercetare științifică</i> a drd. ing. Murariev Gabriel, Coordonator, prof.dr.ing. R. Olaru, Tema: <i>Studiul teoretic și experimental al unui arc electromagnetic cu elasticitate controlabilă și analiza posibilităților de aplicare practică</i> , cf. PV 25.07.2022.	5
				7. Membru în Comisia privind susținerea <i>Raportului de cercetare științifică</i> a drd. ing. Brăescu Gh. Giani Constantin, Coordonator, prof.dr.ing. M. Poboroniuc, Tema: <i>Contribuții în domeniul sistemelor de încărcare cu energie electrică a vehiculelor electrice și roboților</i> , cf. PV 16.09.2025.	5
	3.6. Premii			Premii naționale în domeniu	
				1. <i>Premiu CNCSIS, Competitia 2013, Premiarea rezultatelor cercetării – articole, pentru articolul cu titlul "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.	5
				2. <i>Premiu CNCSIS, Competiția 2023, Premiarea rezultatelor cercetării – articole, pentru articolul cu titlul "Electric Bus Indoor Heat Balance in Cold Weather"</i> G. Chiriac, D.D. Lucache, <b>C. Nițucă</b> , A. Dragomir, S. Ramakrishna, APPLIED SCIENCES-BASEL, Volume 11, Issue 24, Article Number 11761, Articol dezvoltat în cadrul proiectului TUIASI, GI /P 9_IDEI /2021.	5
				3. <i>Medalia de argint la International Fair of Inventions and Practical Ideas, October 2015, Iasi, pentru Cererea de brevet de invenție: Balast cu miez comun</i> , D. Cuciureanu, D. Ioachim, G. Chiriac, <b>C. Nițucă</b> , 2015.	5
				4. <i>Gold medal "Henri Coandă" The XV-the International Exhibition of Research, Innovation and Technological Transfer „Inventica 2011”, Iasi, Romania, 8-10 june 2011, pentru "A New Tipe of Electric Generator"</i> L. Cantemir, <b>C. Nițucă</b> , G. Chiriac, A. P. Alexandrescu, D. Cuciureanu, 2011	5
	3.7. Membru în academii, organizații, asociații profesionale de prestigiu, naționale și internaționale, aparține la organizații din domeniul educației și cercetării	3.7.4. Asociații profesionale	Naționale:		
				Asociația pentru Educație, Profesionalizare și Progres Social din Iași, România - (EUROSTEPS)	2
				Societatea Absolvenților Facultății de Electrotehnică din Iași, România - (SETIS)	2
		3.7.5. Consilii și organizații în domeniul educației și cercetării	Conducere:		
				Coordonator Comisia de etică, Facultatea de Inginerie Electrică, Energetică și Informatică Aplicată - <a href="https://ieeia.tuiasi.ro/comisii-de-lucru/">https://ieeia.tuiasi.ro/comisii-de-lucru/</a>	15
				Președinte comisii de grad didactic II pentru învățământ preuniversitar (5 ani): - Facultatea de Inginerie Electrică, Energetică și Informatică Aplicată; - Facultatea de Textile și Management Industrial; - Facultatea de Mecanică; - Facultatea de Automatică și Calculatoare; - Facultatea de Electronică, Telecomunicații și Tehnologia Informației.	15
			Membru:		
				Membru, comisia de grade didactice pentru învățământ preuniversitar – Gradul definitiv și Gradul didactic II (20 ani).	10
<b>Total - Recunoașterea și impactul activității (A<sub>3</sub>)</b>					<b>563,28</b>
<b>TOTAL</b>					<b>1352,54</b>

**Data:04.05.2026**  
**Candidat, conf.univ.dr.ing. Costică Nițucă**

WOS, 25 publicații analizate, Citation Report=72 citări, H-index=4



SCOPUS, 19 publicații analizate din 27 documente, Citation Report=128 citări, h-index=5.



Data:04.05.2026  
Candidat, conf.univ.dr.ing. Costică Nițucă