

**UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI**  
**FACULTATEA DE INGINERIE ELECTRICĂ, ENERGETICĂ ȘI INFORMATICĂ APLICATĂ**  
**DEPARTAMENTUL DE MĂSURĂRI ELECTRICE ȘI MATERIALE ELECTROTEHNICE**

Examen de promovare pentru ocuparea postului de **profesor universitar**, poz. 7

Disciplinele postului: Zgomote și interferențe în instrumentație  
Compatibilitate electromagnetică

**FIȘA DE VERIFICARE**  
**a îndeplinirii standardelor minime naționale de prezentare la examenul de promovare pe postul de**  
**profesor universitar**

Candidat: **LUNCĂ COSTEL-EDUARD** / Data nașterii: 06.05.1978, Funcția actuală: conferențiar universitar, Data numirii în funcția actuală: 15.02.2016,  
Instituția: Universitatea Tehnică "Gheorghe Asachi" din Iași, Facultatea de Inginerie Electrică, Energetică și Informatică Aplicată

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

Nr. crt.	Domeniul de activitate	Condiții minime profesor	Punctaj obținut
1	Activitatea didactică / profesională (A1)	Minimum 120	<b>194,5</b>
2	Activitatea de cercetare (A2)	Minimum 360	<b>869,43</b>
3	Recunoașterea și impactul activității (A3)	Minimum 120	<b>1560,32</b>
<b>TOTAL (puncte)</b>		<b>600</b>	<b>2624,25</b>

**Criteriul C 2.1** Calitatea resursei umane  $Scor_j^{(U)} = 2624,25 / 600$

**$Scor_j^{(U)} = 4,37$**

30.05.2026

Conf. univ. dr. ing. **Costel-Eduard Luncă**

**Tabelul 2. Structura activitatii cadrelor didactice / cercetatorilor si punctaje realizate.**  
**Centralizarea îndeplinirii cerințelor standardului minimal național**

<b>Cerințe</b>	<b>Valoare minimă</b>	<b>Realizat</b>
Cărți cu ISBN / capitole ca autor didactice sau monografii	4	7
Suport de curs inclusiv electronic	2 prim autor – 1	7 prim autor – 7
Îndrumare de laborator / aplicații	2 prim autor – 1	3 prim autor – 2
Articole în extenso în reviste cotate WOS Thomson-Reuters, în volume proceedings indexate WOS Thomson-Reuters și brevete de invenție indexate WOS Derwent	10, prim autor – 4, în reviste – 4	38 (1 brevet de invenție), prim autor – 17, în reviste – 11
Articole în reviste și în volumele unor manifestări științifice indexate în alte baze de date internaționale (BDI)	20, în reviste – 5	36, în reviste – 10
Director de proiect / responsabil partener	2	2
Citări în revistele WOS și volumele conferințelor WOS	10	142
Citări în revistele BDI și volumele conferințelor BDI	20	117
Total puncte Activitatea didactică / profesională (A1)	120	194,5
Total puncte Activitatea de cercetare (A2)	360	869,43
Total puncte Recunoașterea impactului activității (A3)	120	1560,32
<b>Total A1+A2+A3</b>	600	2624,25

30.05.2026

Conf. univ. dr. ing. **Costel-Eduard Luncă**

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	Subcategorii	Indicatori (kpi)
0	1	2	3	4	5
	Activitatea didactică și profesională ( A 1 )	1.1 Cărți și capitole în cărți de specialitate	1.1.1 Cărți cu ISBN / capitole ca autor - pentru profesor minimum 4	1.1.1.1 Internaționale	nr. pagini / (2 * nr. autori)
				1. <b>Eduard Luncă</b> , Bogdan Constantin Neagu, Silviu Vornicu, capitolul <i>Finite Element Analysis of Electromagnetic Fields Emitted by Overhead High-Voltage Power Lines</i> , în volumul <i>Numerical Methods for Energy Applications</i> (editori: Naser Mahdavi Tabatabaei, Nicu Bizon), Editura Springer, Cham, 2021, 27 pag. (30 pag. f.a.), ISBN 978-3-030-62190-2	30 / (2 * 3) = 5
				2. Marius Brânzilă, <b>Eduard Luncă</b> , capitolul <i>Remote Test-bench Experiments for Teaching Laboratories Based on LabVIEW, Python and Java</i> , în volumul <i>Online Laboratories in Engineering and Technology Education</i> (editori: Dominik May, Michael E. Auer, Alexander Kist), Editura Springer, 2024, 20 pag. (23 pag. f.a.), ISBN 978-3-031-70770-4	23 / (2 * 2) = 5,75
				3. Ionel Pavel, Camelia Petrescu, Valeriu David, <b>Eduard Luncă</b> , capitolul <i>Estimation of the Spatial and Temporal Distribution of Magnetic Fields around Overhead PowerLines—A Case Study</i> , în volumul <i>Modeling and Simulation in Engineering; 2nd Edition</i> (editori: Camelia Petrescu, Valeriu David), Editura MDPI, Basel, 2023, pp. 199-213, ISBN 978-3-0365-8288-7 (Reprint)	0
				1.1.1.2 Naționale	nr. pagini / (5 * nr. autori)
				1. <b>Eduard Luncă</b> , <i>Interfațarea instrumentelor și sistemelor de măsurare. Aplicații specifice</i> , Editura PIM, Iași, 2019, 220 pag., ISBN 978-606-13-5326-2	220 / (5 * 1) = 44
				2. <b>Eduard Luncă</b> , <i>Sisteme pentru măsurarea și monitorizarea poluării electromagnetice. Studii teoretice și experimentale</i> , Editura PIM, Iași, 2015, 126 pag., ISBN 978-606-13-2849-9	126 / (5 * 1) = 25,2
				3. Codrin Donciu, <b>Eduard Luncă</b> , Mihai Crețu, <i>Sisteme moderne de măsurare. Măsurări distribuite</i> , Editura Politehniun, Iasi, 2005, 130 pag., ISBN 973-621-105-3	130 / (5 * 3) = 8,66
				4. Andrei Marinescu (Editor), <i>Electromagnetic Compatibility / Electromagnetic Field. Research and Development in Romania</i> [Cap. 3, <i>Works and Walks in ESD, developed at the Faculty of Electrical Engineering – Alexandru Sălceanu, Eduard Luncă, Oana Beniugă, Oana Neacșu, Silviu Ursache, Marius Păuleț</i> ], Editura Agir, București, 2014, 15 pag. format academic, ISBN 978-973-720-521-6	15 / (5 * 6) = 0,5
		1.2 Suport didactic	1.2.1 Suport de curs inclusiv electronic - pentru profesor minimum 2, din care 1 ca prim autor		nr. pagini / (10 * nr. autori)
				1. <b>Eduard Luncă</b> , Alexandru Sălceanu, <i>Zgomote și interferențe în instrumentație. Elemente de teorie</i> , Editura PIM, Iași, 2024, 114 pag., ISBN 978-606-13-8834-9	114 / (10 * 2) = 5,7
				2. <b>Eduard Luncă</b> , <i>COMPATIBILITATE ELECTROMAGNETICĂ. Teste și măsurări specifice</i> , Editura PIM, Iași, 2015, 168 pag., ISBN 978-606-13-2834-5	168 / (10 * 1) = 16,8
				3. <b>Eduard Luncă</b> , <i>Măsurări electrice și electronice I</i> , Suport de curs disponibil pe platforma	90 / (10 * 1) = 9

				Microsoft Teams, 90 pag. f.a.	
				4. <b>Eduard Luncă</b> , <i>Măsurări în ecologie și biomedicină</i> , Suport de curs disponibil pe platforma Microsoft Teams, 75 pag. f.a.	75 / (10 * 1) = <b>7,5</b>
				5. <b>Eduard Luncă</b> , <i>Sisteme informatice pentru monitorizarea consumului de energie electrică</i> , Suport de curs disponibil pe platforma Microsoft Teams, 80 pag. f.a.	80 / (10 * 1) = <b>8</b>
				6. <b>Eduard Luncă</b> , <i>Informatică aplicată I</i> , Suport de curs on-line: <a href="http://www.demm.ee.tuiasi.ro/eduard-lunca/info1.html">http://www.demm.ee.tuiasi.ro/eduard-lunca/info1.html</a> , 140 pag. f.a.	140 / (10 * 1) = <b>14</b>
				7. <b>Eduard Luncă</b> , <i>Applied informatics II</i> , în limba engleză, Suport de curs on-line: <a href="http://www.demm.ee.tuiasi.ro/eduard-lunca/info2.html">http://www.demm.ee.tuiasi.ro/eduard-lunca/info2.html</a> , 130 pag. f.a.	130 / (10 * 1) = <b>13</b>
		1.2.2 Îndrumare de laborator / aplicații - pentru profesor minimum 2, din care minimum 1 prim autor		<b>nr. pagini / (20 * nr. autori)</b>	
			1. <b>Eduard Luncă</b> , Alexandru Sălceanu, <i>Zgomote și interferențe în instrumentație. Aplicații</i> , Editura PIM, Iași, 2018, 156 pag., ISBN 978-606-13-4699-8	156 / (20 * 2) = <b>3,9</b>	
			2. Alexandru Sălceanu, <b>Eduard Luncă</b> , Oana Neacșu, Marius Păuleț, Silviu Ursache, <i>COMPATIBILITATE ELECTROMAGNETICĂ. Aplicații</i> , Editura PIM, Iași, 2015, 208 pag., ISBN 978-606-13-2812-3	208 / (20 * 5) = <b>2,08</b>	
		1.3 Coordonare programe de studii, proiecte educaționale	Punctaj unic pentru fiecare activitate	3. <b>Eduard Luncă</b> , <i>Măsurarea mărimilor electrice și neelectrice. Lucrări de laborator</i> , Îndrumar disponibil pe platforma Microsoft Teams / On-line: <a href="http://www.demm.ee.tuiasi.ro/eduard-lunca/mmen.html">http://www.demm.ee.tuiasi.ro/eduard-lunca/mmen.html</a> , 108 pag. f.a.	108 / (20 * 1) = <b>5,4</b>
				1. Coordonator program de studii <i>Informatică Aplicată în Inginerie Electrică</i> , Facultatea de Inginerie Electrică, Energetică și Informatică Aplicată	10 * 1 = <b>10</b>
				2. Proiect „Primul STEM – Student din familie” (ID 326591), cofinanțat din Fondul Social European prin Programul Educație și Ocupare 2021 – 2027, 7.872.735,42 RON, Feb. 2025 – Nov. 2027 ( <b>director</b> , începând cu martie 2026)	10 * 1 = <b>10</b>
<b>Total activitate didactică și profesională (A1)</b>				<b>194,5</b>	
2	Activitatea de cercetare (A2)	2.1 Articole în extenso în reviste cotate WOS Thomson-Reuters, în volume proceeding s indexate WOS Thomson-Reuters și brevete de invenție WOS Derwent	Minimum 10 pentru profesor, din care minimum 4 ca prim autor și minimum 4 în reviste		<b>(25 + 20 * factor impact) / nr. de autori</b>
				1. Valeriu David, <b>Costel-Eduard Luncă</b> , Ionel Pavel, <i>Method of automatic long-term survey of background magnetic fields, involves extracting, displaying and statistically processing data to characterize complex electromagnetic environments and sources of field</i> , Brevet de invenție RO133581, Derwent Primary Accession Number 2019-783716, Data eliberării 30.07.2024	25 / 3 = <b>8,33</b>
				2. <b>E. Lunca</b> , S. Vornicu, A. Salceanu, <i>Numerical and Analytical Analysis of the Low-Frequency Magnetic Fields Generated by Three-Phase Underground Power Cables with Solid Bonding</i> , Applied Sciences, Vol. 13, No. 10:6328, pp. 1-18, 2023, <b>FI – 2,5</b>	(25 + 20 * 2,5) / 3 = <b>25</b>
				3. I. Pavel, C. Petrescu, V. David, <b>E. Lunca</b> , <i>Estimation of the Spatial and Temporal Distribution of Magnetic Fields around Overhead Power Lines—A Case Study</i> , Mathematics, Vol. 11, No. 10:2292, pp. 1-15, 2023, <b>FI – 2,2</b>	(25 + 20 * 2,2) / 4 = <b>17,25</b>
				4. M. Andrusca, M. Adam, A. Dragomir, <b>E. Lunca</b> , <i>Innovative Integrated Solution for</i>	(25 + 20 * 3,5) / 4 = <b>23,75</b>



				<i>Monitoring and Protection of Power Supply System from Railway Infrastructure, Sensors</i> , Vol. 21, No. 23, 2021, <b>FI – 3,5</b>	
				5. M. Andrusca, M. Adam, A. Dragomir, <b>E. Lunca</b> , R. Seeram, O. Postolache, <i>Condition Monitoring System and Faults Detection for Impedance Bonds from Railway Infrastructure</i> , Applied Sciences, Vol. 10, No. 18, pp. 1-20, 2020, <b>FI – 2,5</b>	$(25 + 20 * 2,5) / 6 = 12,5$
				6. <b>E. Lunca</b> , S. Ursache, A. Salceanu, <i>Computation and Analysis of the Extremely Low Frequency Electric and Magnetic Fields Generated by Two Designs of 400 kV Overhead Transmission Lines</i> , Measurement, Vol. 124, pp. 197-204, 2018, <b>FI – 5,6</b>	$(25 + 20 * 5,6) / 3 = 45,66$
				7. <b>E. Lunca</b> , S. Ursache, Andrei Salceanu, <i>Assessment of Radiofrequency Exposure Levels Generated by WiMAX Base Stations</i> , Environmental Engineering and Management Journal, Vol. 15, No. 12, pp. 2753-2759, 2016, <b>FI – 0,9</b>	$(25 + 20 * 0,9) / 3 = 14,33$
				8. V. Dafinescu, V. David, D. Andritoi, <b>E. Lunca</b> , Elena-Niculina Dragoi, <i>Electromagnetic Pollution of the Hospital Environment due to New Generation Mobile Phones</i> , Environmental Engineering and Management Journal, Vol. 14, No. 1, pp. 73-78, 2015, <b>FI – 0,9</b>	$(25 + 20 * 0,9) / 5 = 8,6$
				9. <b>E. Lunca</b> , M. Istrate, A. Salceanu, <i>Comparative analysis of the extremely low-frequency magnetic field exposure from overhead power lines</i> , Environmental Engineering and Management Journal, Vol. 12, No. 6, pp. 1145-1152, 2013, <b>FI – 0,9</b>	$(25 + 20 * 0,9) / 3 = 14,33$
				10. A. Salceanu, Oana Beniuga, <b>E. Lunca</b> , <i>Advances in measurement and analysis of electrostatic discharge significance of human body capacitance</i> , Environmental Engineering and Management Journal, Vol.12, No. 6, pp. 1119-1124, 2013, <b>FI – 0,9</b>	$(25 + 20 * 0,9) / 3 = 14,33$
				11. <b>E. Lunca</b> , V. David, A. Salceanu, I. Cretescu, <i>Assessing the Human Exposure due to Wireless Local Area Networks in Office Environments</i> , Environmental Engineering and Management Journal, Vol. 11, No. 2, pp. 385-391, 2012, <b>FI – 0,9</b>	$(25 + 20 * 0,9) / 4 = 10,75$
				12. <b>E. Lunca</b> , A. Salceanu, <i>Virtual Instrumentation Approach for Teaching EMC Concepts</i> , Electronics and Electrical Engineering, Vol. 117, No. 1, pp. 75-80, 2012, <b>FI – 0,9</b>	$(25 + 20 * 0,9) / 2 = 21,5$
				13. Andrei Salceanu, <b>Eduard Lunca</b> , Oana Maria Asimincesei, <i>Specific Absorption Rate: Comparative Analysis from the Perspective of Terms, Methodologies, and Regulations</i> , 2025 International Conference on Electromechanical and Energy Systems (SIELMEN), Iasi, Romania, October 15 (Chişinău, Moldova, October 16-17), 2025, pp. 501-507 (ISI - Web of Science, IEEE Xplore, SCOPUS)	$25 / 3 = 8,33$
				14. <b>E. Lunca</b> , S. Vornicu, C. Damian, <i>PC-Based Temperature and Humidity Recorder with USB Connectivity</i> , 2019 International Conference on Electromechanical and Energy Systems (SIELMEN 2019), Craiova, Romania, October 9-11, 2019, pp. 1-4 (ISI - Web of Science, IEEE Xplore, SCOPUS)	$25 / 3 = 8,33$
				15. O. Bejenaru, <b>E. Lunca</b> , V. David, <i>Simulation and Measurement of the Radiofrequency Electromagnetic Field Generated by a LTE Base Station</i> , 2019 International Conference on Electromechanical and Energy Systems (SIELMEN 2019), Craiova, Romania, October 9-11, 2019, pp. 1-4 (ISI - Web of Science, IEEE Xplore, SCOPUS)	$25 / 3 = 8,33$
				16. S. Vornicu, <b>E. Lunca</b> , A. Salceanu, <i>ANSYS Maxwell Finite Element Model for 2D Computation of the Magnetic Field Generated by Overhead High-Voltage Power Lines</i> , 2019 International Conference on Electromechanical and Energy Systems (SIELMEN 2019),	$25 / 3 = 8,33$

				Craiova, Romania, October 9-11, 2019, pp. 1-4 (ISI - Web of Science, IEEE Xplore, SCOPUS)	
				17. S. Ursache, <b>E. Lunca</b> , S. Vornicu, <i>DC Digital Gaussmeter Based on Linear Hall-Effect Sensor IC</i> , 2019 International Conference on Electromechanical and Energy Systems (SIELMEN 2019), Craiova, Romania, October 9-11, 2019, pp. 1-4 (ISI - Web of Science, IEEE Xplore, SCOPUS)	25 / 3 = <b>8,33</b>
				18. A. Salceanu, <b>E. Lunca</b> , B.D. Alistar, S. Ursache, <i>Upon the Influence of Charge Image on the Electric Field Intensity</i> , 2019 International Conference on Electromechanical and Energy Systems (SIELMEN 2019), Craiova, Romania, October 9-11, 2019, pp. 1-6 (ISI - Web of Science, IEEE Xplore, SCOPUS)	25 / 4 = <b>6,25</b>
				19. C. Damian, A. Panu, M. Robu, <b>E. Lunca</b> , <i>Storing Custom Data Sets in a Blockchain System</i> , 2019 International Conference on Electromechanical and Energy Systems (SIELMEN 2019), Craiova, Romania, October 9-11, 2019, pp. 1-6 (ISI - Web of Science, IEEE Xplore, SCOPUS)	25 / 4 = <b>6,25</b>
				20. <b>E. Lunca</b> , V. David, <i>Wideband Three-axis Magnetic Field Sensor</i> , 10 <sup>th</sup> International Conference and Exposition on Electrical and Power Engineering – EPE 2018, Iasi, Romania, October 18-19, 2018, pp. 693-696 (ISI - Web of Science, IEEE Xplore, SCOPUS)	25 / 2 = <b>12,5</b>
				21. S. Vornicu, <b>E. Lunca</b> , A. Salceanu, <i>Computation of the Low Frequency Magnetic Fields Generated by a 12/20 kV Underground Power Line</i> , 10 <sup>th</sup> International Conference and Exposition on Electrical and Power Engineering – EPE 2018, Iasi, Romania, October 18-19, 2018, pp. 630-633 (ISI - Web of Science, IEEE Xplore, SCOPUS)	25 / 3 = <b>8,33</b>
				22. A. Salceanu, M. Paulet, <b>E. Lunca</b> , <i>Upon the Effect of Transposed Phasing on the Magnetic Field Produced by Overhead Power Lines</i> , 10 <sup>th</sup> International Conference and Exposition on Electrical and Power Engineering – EPE 2018, Iasi, Romania, October 18-19, 2018, pp. 755-758 (ISI - Web of Science, IEEE Xplore, SCOPUS)	25 / 3 = <b>8,33</b>
				23. <b>E. Lunca</b> , A. Salceanu, S. Ursache, M.A. Anghel, <i>Evaluation of EMF Exposure from Digital Terrestrial Television Transmitters</i> , 21 <sup>st</sup> IMEKO TC4 International Symposium and 19 <sup>th</sup> International Workshop on ADC Modelling and Testing, Budapest, Hungary, September 7-9, 2016, pp. 236-239 (ISI - Web of Science, SCOPUS)	25 / 4 = <b>6,25</b>
				24. <b>E. Lunca</b> , A. Salceanu, <i>An Overview of RF-EMF Monitoring Systems and Associated Monitoring Data</i> , 9 <sup>th</sup> International Conference and Exposition on Electrical and Power Engineering – EPE 2016, Iasi, Romania, Oct. 20-22, 2016, pp. 418-421 (ISI - Web of Science, IEEE Xplore, SCOPUS)	25 / 2 = <b>12,5</b>
				25. A. Salceanu, <b>E. Lunca</b> , O. Neacsu, F. Iacobescu, <i>Assessing the Close Field Non-Ionizing Emissions of PC-Monitors</i> , 9 <sup>th</sup> International Conference and Exposition on Electrical and Power Engineering – EPE 2016, Iasi, Romania, Oct. 20-22, 2016, pp. 592-597 (ISI - Web of Science, IEEE Xplore, SCOPUS)	25 / 4 = <b>6,25</b>
				26. <b>E. Lunca</b> , S. Ursache, A. Vasniuc, <i>Temperature monitoring system based on multiple TMP75 digital sensors and the PC's parallel port</i> , 9 <sup>th</sup> International Symposium on Advanced Topics in Electrical Engineering – ATEE 2015, Bucharest, Romania, May 7-9, 2015, pp. 15-18 (ISI - Web of Science, IEEE Xplore, SCOPUS)	25 / 3 = <b>8,33</b>

				27. <b>E. Lunca</b> , C. Damian, A. Salceanu, EMF Exposure Measurements on 4G/LTE Mobile Communication Networks, 8th International Conference and Exposition on Electrical and Power Engineering – EPE 2014, Iasi, Romania, Oct. 16-18, 2014, pp. 545-548 (ISI - Web of Science, IEEE Xplore, SCOPUS)	25 / 3 = <b>8,33</b>
				28. <b>E. Lunca</b> , E. Staicu, M. Balauca, <i>10 Hz – 20 kHz Single-axis Magnetic Field Meter</i> , 8th International Conference and Exposition on Electrical and Power Engineering – EPE 2014, Iasi, Romania, Oct. 16-18, 2014, pp. 453-456 (ISI - Web of Science, IEEE Xplore, SCOPUS)	25 / 3 = <b>8,33</b>
				29. A. Salceanu, <b>E. Lunca</b> , C. Luca, S. Ursache, <i>Monitoring the Electromagnetic Traffic in an Intensive Care Unit</i> , 8th International Conference and Exposition on Electrical and Power Engineering – EPE 2014, Iasi, Romania, Oct. 16-18, 2014, pp. 811-814 (ISI - Web of Science, IEEE Xplore, SCOPUS)	25 / 4 = <b>6,25</b>
				30. C. Damian, <b>E. Lunca</b> , M. Ilinca, <i>Remote administration of hardware resources using TCP/IP protocol and WEB technologies</i> , 8th International Conference and Exposition on Electrical and Power Engineering – EPE 2014, Iasi, Romania, Oct. 16-18, 2014, pp. 123-126 (ISI - Web of Science, IEEE Xplore, SCOPUS)	25 / 3 = <b>8,33</b>
				31. S. Ursache, A. Salceanu, <b>E. Lunca</b> , <i>An evaluation of the measurement uncertainty for the electrostatic discharge current parameters</i> , 8th International Conference and Exposition on Electrical and Power Engineering – EPE 2014, Iasi, Romania, Oct. 16-18, 2014, pp. 462-465 (ISI - Web of Science, IEEE Xplore, SCOPUS)	25 / 3 = <b>8,33</b>
				32. <b>E. Lunca</b> , M. Istrate, A. Salceanu, S. Tibuliac, <i>Computation of the Magnetic Field Exposure from 110 kV Overhead Power Lines</i> , 7th International Conference and Exposition on Electrical and Power Engineering – EPE 2012, Iasi, Romania, Oct. 25-27, 2012, pp. 628-631 (ISI - Web of Science, IEEE Xplore, SCOPUS)	25 / 4 = <b>6,25</b>
				33. <b>E. Lunca</b> , C. Damian, D. Petrisor, O. Postolache, <i>Programmable Active Filters Based on Digital Potentiometers</i> , 7th International Conference and Exposition on Electrical and Power Engineering – EPE 2012, Iasi, Romania, Oct. 25-27, 2012, pp. 787-791 (ISI - Web of Science, IEEE Xplore, SCOPUS)	25 / 4 = <b>6,25</b>
				34. O. Postolache, P.S. Girão, <b>E. Lunca</b> , P. Bicleanu, M. Andrusca, <i>Unobtrusive Cardio-Respiratory Monitoring Based on Microwave Doppler Radar</i> , 7th International Conference and Exposition on Electrical and Power Engineering – EPE 2012, Iasi, Romania, Oct. 25-27, 2012, pp. 597-600 (ISI - Web of Science, IEEE Xplore, SCOPUS)	25 / 5 = <b>5</b>
				35. <b>E. Lunca</b> , A. Salceanu, <i>Using the New LXI Instruments in Remote Laboratory Applications</i> , 7th International Conference on Management of Technological Changes – MTC 2011, Alexandroupolis, Greece, Sept. 01-03, 2011, pp. 381-384 (ISI - Web of Science)	25 / 2 = <b>12,5</b>
				36. C. Damian, <b>E. Lunca</b> , <i>A Low Area FIR Filter for FPGA Implementation</i> , 34th International Conference on Telecommunications and Signal Processing – TSP 2011, Budapest, Hungary, Aug. 18-20, 2011, pp. 521-524 (ISI - Web of Science, IEEE Xplore, SCOPUS, DBLP)	25 / 2 = <b>12,5</b>
				37. S. Ursache, <b>E. Lunca</b> , A. Salceanu, M. Cretu, <i>Introducing Mathematica Software to Electrical Engineering Students: A Way to Improve the Computational Skills</i> , 6th International Seminar on Quality Management in Higher Education – QMHE 2010, Tulcea, Romania, Jul.	25 / 4 = <b>6,25</b>

			08-09, 2010, pp. 697-700 (ISI - Web of Science)	
			38. <b>E. Lunca</b> , A. Salceanu, V. David, S. Ursache, <i>EMC Education at Technical University of Iasi. From EMC Fundamentals to Measurements and Standards</i> , 5 <sup>th</sup> International Seminar on Quality Management in Higher Education – QMHE 2008, Tulcea, Romania, Jun. 12-14, 2008, pp. 341-344 (ISI - Web of Science)	25 / 4 = <b>6,25</b>
	<b>2.2 Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale (BDI)</b>	Minimum 20 pentru profesor, din care minimum 5 în reviste		<b>20 / nr. de autori</b>
			1. A. Vilcu, <b>E. Lunca</b> , S. Vornicu, I.-V. Herghiligiu, C. Toporascu, <i>Computerized Device for Monitoring ECG and PPG Signals – Design and Redesign Based on Value Engineering Method</i> , Bulletin of the Polytechnic Institute of Iași. Electrical Engineering, Power Engineering, Electronics, Vol. 68 (72), No. 3, pp. 57-74, 2023 (EBSCO, Ulrich's, Index Copernicus, Sciendo)	20 / 5 = <b>4</b>
			2. <b>E. Lunca</b> , S. Vornicu, A. Salceanu, O. Bejenaru, <i>2D Finite Element Model for computing the electric field strength-rms generated by overhead power lines</i> , Journal of Physics: Conference Series, Vol. 1065, pp. 1-4, 2018 (IOP Science, SCOPUS)	20 / 4 = <b>5</b>
			3. S. Ursache, <b>E. Lunca</b> , A. Salceanu, I. Pavel, <i>Analysis of the Influence of the Current Drawn by the Appliance on the Close Magnetic Field</i> , ACTA IMEKO, Vol. 7, No. 4, pp. 70-74, 2018 (SCOPUS)	20 / 4 = <b>5</b>
			4. A. Salceanu, <b>E. Lunca</b> , M. Paulet, <i>Affordable evaluation of low frequency electric fields from the standpoint of Directive 2013/35/EU</i> , ACTA IMEKO, Vol. 4, No. 6, pp. 37-45, 2017 (SCOPUS)	20 / 3 = <b>6,66</b>
			5. <b>E. Lunca</b> , A. Salceanu, S. Ursache, <i>Automated Measurement and Monitoring of the Electromagnetic Fields from GSM Systems</i> , Journal of Clean Energy Technologies, Vol. 1, No. 3, pp. 174-177, 2013 (INSPEC, Electronic Journals Library, Ulrich's Periodicals Directory, ProQuest etc.)	20 / 3 = <b>6,66</b>
			6. <b>E. Lunca</b> , S. Ursache, A. Salceanu, <i>LabVIEW Interactive Simulations for Electromagnetic Compatibility</i> , International Journal of Online Engineering (iJOE), Vol. 8, No. 2, pp. 11-14, 2012 (ESCI, INSPEC, SCOPUS, DBLP, DOAJ, Ulrich, EBSCO etc.)	20 / 3 = <b>6,66</b>
			7. <b>E. Lunca</b> , S. Ursache, A. Salceanu, <i>Study of the Power-Frequency Magnetic Fields in Residences and Schools</i> , Buletinul AGIR, No. 3, pp. 689-693, 2012 (Index Copernicus, EBSCO)	20 / 3 = <b>6,66</b>
			8. <b>E. Lunca</b> , S. Ursache, Oana Neacsu, <i>Graphical Programming Tools for Electrical Engineering Higher Education</i> , International Journal of Online Engineering (iJOE), Vol. 7, No. 1, pp. 19-24, 2011 (ESCI, INSPEC, SCOPUS, DBLP, DOAJ, Ulrich, EBSCO etc.)	20 / 3 = <b>6,66</b>
			9. <b>E. Lunca</b> , A. Salceanu, <i>Virtual Instrumentation for Extending the Capabilities of a Spectrum Analyzer to Automatically Perform RF Measurements</i> , Acta Electrotehnica, Vol. 51, No. 4, pp. 271-275, 2010 (REFERATIVNYI ZHURNAL, DOAJ)	20 / 2 = <b>10</b>
			10. <b>E. Lunca</b> , A. Salceanu, S. Ursache, <i>EMC Testing Education According to the ISO/IEC 17025 Quality System Requirements</i> , Acta Electrotehnica, Vol. 50, No. 3, pp. 214-218, 2009 (REFERATIVNYI ZHURNAL, DOAJ)	20 / 3 = <b>6,66</b>
			11. <b>E. Lunca</b> , S. Vornicu, A. Salceanu, <i>3-Axis Virtual Gaussmeter for Measurement and Advanced Characterization of the Magnetic Fields from Overhead Power Lines</i> , 2024 IEEE	20 / 3 = <b>6,66</b>

				International Conference and Exposition on Electric and Power Engineering (EPEi), Iasi, Romania, October 17-19, 2024, pp. 551-555 (IEEE Xplore)	
				12. <b>E. Lunca</b> , S. Vornicu, A. Salceanu, <i>Numerical Modelling of the Magnetic Fields Generated by Underground Power Cables with Two-point Bonded Shields</i> , 25 <sup>th</sup> IMEKO TC4 International Symposium and 23 <sup>rd</sup> International Workshop on ADC Modelling and Testing (IMEKO TC-4 2022), Brescia, Italia, September 12-14, 2022, pp. 221-226 (SCOPUS)	20 / 3 = <b>6,66</b>
				13. <b>E. Lunca</b> , S. Vornicu, I. Pavel, M. Andrusca, <i>Measurement and Numerical Simulation of the Low-Frequency Electric Field Generated by an Overhead Power Line</i> , 12 <sup>th</sup> International Conference and Exposition on Electrical And Power Engineering (EPE 2022), Iasi, Romania, Oct. 20-22, 2022, pp. 719-722 (IEEE Xplore, SCOPUS)	20 / 4 = <b>5</b>
				14. S. Vornicu, <b>E. Lunca</b> , B.C. Neagu, F.C. Baiceanu, <i>Assessment of Extremely Low-Frequency Magnetic Field from Multiple High-Voltage Overhead Power Lines in Parallel Configuration</i> , 12 <sup>th</sup> International Conference and Exposition on Electrical And Power Engineering (EPE 2022), Iasi, Romania, Oct. 20-22, 2022, pp. 723-726 (IEEE Xplore, SCOPUS)	20 / 4 = <b>5</b>
				15. <b>E. Lunca</b> , S. Vornicu, A. Salceanu, <i>Numerical Modelling of the Magnetic Fields Generated by Underground Power Cables with Two-point Bonded Shields</i> , 25 <sup>th</sup> IMEKO TC4 Symposium and 23 <sup>rd</sup> International Workshop on ADC Modelling and Testing, Brescia, Italy, September 12-14, 2022, pp. 221-226 (SCOPUS)	20 / 3 = <b>6,66</b>
				16. V. David, I. Pavel, <b>E. Lunca</b> , <i>A Method for Estimating the Magnetic Fields Generated by the Overhead Power Lines</i> , 11 <sup>th</sup> International Conference and Exposition on Electrical and Power Engineering – EPE 2020, Iasi, Romania, October 22-23, 2020, pp. 1-6 (IEEE Xplore, SCOPUS)	20 / 3 = <b>6,66</b>
				17. A. Salceanu, S. Vornicu, <b>E. Lunca</b> , M. Istrate, <i>Influence of High Voltage Bundle Configurations on Human Exposure</i> , 11 <sup>th</sup> International Conference and Exposition on Electrical and Power Engineering – EPE 2020, Iasi, Romania, October 22-23, 2020, pp. 1-6 (IEEE Xplore, SCOPUS)	20 / 4 = <b>5</b>
				18. <b>E. Lunca</b> , S. Ursache, A. Salceanu, <i>Characterization of the Electric and Magnetic Field Exposure from a 400 kV Overhead Power Transmission Line in Romania</i> , 22 <sup>nd</sup> IMEKO TC4 Symposium and 20 <sup>th</sup> International Workshop on ADC Modelling and Testing, Iasi, Romania, September 14-15, 2017, pp. 239-243 (SCOPUS)	20 / 3 = <b>6,66</b>
				19. O. Bejenaru, <b>E. Lunca</b> , V. David, <i>Characterization of the electromagnetic interferences due to a public lighting system</i> , 22 <sup>nd</sup> IMEKO TC4 Symposium and 20 <sup>th</sup> International Workshop on ADC Modelling and Testing, Iasi, Romania, September 14-15, 2017, pp. 224-228 (SCOPUS)	20 / 3 = <b>6,66</b>
				20. S. Ursache, <b>E. Lunca</b> , A. Salceanu, I. Pavel, <i>Study on the relationship between magnetic fields generated by home appliances and associated drawn currents</i> , 22 <sup>nd</sup> IMEKO TC4 Symposium and 20 <sup>th</sup> International Workshop on ADC Modelling and Testing, Iasi, Romania, September 14-15, 2017, pp. 305-308 (SCOPUS)	20 / 4 = <b>5</b>
				21. <b>E. Lunca</b> , C. Damian, F. Mariut, <i>Simplifying the Communication with I<sup>2</sup>C Devices Using LabVIEW and the PC's Parallel Port</i> , 9 <sup>th</sup> International Conference on Remote Engineering	20 / 3 = <b>6,66</b>



			and Virtual Instrumentation – REV 2012, Bilbao, Spain, Jul. 04-06, 2012, pp. 187-190 (IEEE Xplore, SCOPUS)	
			22. C. Damian, C. Fosalau, <b>E. Lunca</b> , <i>Virtual Instrumentation for Measuring Amorphous Magnetic Wires Strain Gauges Characteristics</i> , 9 <sup>th</sup> International Conference on Remote Engineering and Virtual Instrumentation – REV 2012, Bilbao, Spain, Jul. 04-06, 2012, pp. 195-199 (IEEE Xplore, SCOPUS)	20 / 3 = <b>6,66</b>
			23. <b>E. Lunca</b> , V. David, A. Salceanu, <i>Broadband Tri-axis Magnetic Field Measurement System</i> , 15 <sup>th</sup> IMEKO TC4 International Symposium on Novelties in Electrical Measurements and Instrumentation, Iasi, Romania, Sept. 19-21, 2007, Vol. I, pp. 332-335 (SCOPUS)	20 / 3 = <b>6,66</b>
			24. <b>E. Lunca</b> , A. Salceanu, M. Cretu, <i>Implementing the I<sup>2</sup>C Communication Protocol in LabVIEW</i> , 15 <sup>th</sup> IMEKO TC4 International Symposium on Novelties in Electrical Measurements and Instrumentation, Iasi, Romania, Sept. 19-21, 2007, Vol. II, pp. 514-517 (SCOPUS)	20 / 3 = <b>6,66</b>
			25. Oana Neacsu, A. Salceanu, <b>E. Lunca</b> , V. David, <i>Indirect Measurements on the Capacity in the Electrostatic HB Model</i> , 15 <sup>th</sup> IMEKO TC4 International Symposium on Novelties in Electrical Measurements and Instrumentation, Iasi, Romania, Sept. 19-21, 2007, Vol. I, pp. 38-41 (SCOPUS)	20 / 4 = <b>5</b>
			26. A. Salceanu, Oana Neacsu, V. David, <b>E. Lunca</b> , <i>Measurements upon Human Body Capacitance: Theory and Experimental Setup</i> , 15 <sup>th</sup> IMEKO TC4 International Symposium on Novelties in Electrical Measurements and Instrumentation, Iasi, Romania, Sept. 19-21, 2007, Vol. I, pp. 48-51 (SCOPUS)	20 / 4 = <b>5</b>
			27. <b>E. Lunca</b> , C. Donciu, M. Cretu, A. Salceanu, <i>A Basic Virtual Test System for EMI/RFI Problems</i> , 14 <sup>th</sup> IMEKO TC4 International Symposium on New Technologies in Measurement and Instrumentation, Gdynia-Jurata, Poland, Sept. 12-15, 2005, Vol. II, pp. 418-421 (SCOPUS)	20 / 4 = <b>5</b>
			28. C. Donciu, M. Cretu, <b>E. Lunca</b> , <i>Constant Passage Technique for Undersampling Method with Two Sampling Rates</i> , 14 <sup>th</sup> IMEKO TC4 International Symposium on New Technologies in Measurement and Instrumentation, Gdynia-Jurata, Poland, Sept. 12-15, 2005, Vol. I, pp. 250-253 (SCOPUS)	20 / 3 = <b>6,66</b>
			29. V. David, A. Salceanu, <b>E. Lunca</b> , <i>The Measurement of Electromagnetic Fields in Hospital Electrotherapy Rooms</i> , 14 <sup>th</sup> IMEKO TC4 International Symposium on New Technologies in Measurement and Instrumentation, Gdynia-Jurata, Poland, Sept. 12-15, 2005, Vol. I, pp. 275-278 (SCOPUS)	20 / 3 = <b>6,66</b>
			30. <b>E. Lunca</b> , M. Cretu, V. David, C. Donciu, <i>A Virtual Instrument For Remote Monitoring Of Electromagnetic Field</i> , 13 <sup>th</sup> IMEKO TC4 International Symposium on Measurements for Research and Industry Applications, Athens, Greece, Sept. 29 - Oct. 01, 2004, Vol. II, pp. 669-672 (SCOPUS)	20 / 4 = <b>5</b>
			31. <b>E. Lunca</b> , A. Salceanu, S. Hanganu, C. Donciu, <i>Virtual Instrument Aiming to Extend the Capabilities of the Spectrum Analyzers</i> , 13 <sup>th</sup> IMEKO TC4 International Symposium on Measurements for Research and Industry Applications, Athens, Greece, Sept. 29 - Oct. 01, 2004, Vol. II, pp. 683-686 (SCOPUS)	20 / 4 = <b>5</b>

			32. M. Brinzila, C. Fosala, <b>E. Lunca</b> , M. Cretu, <i>A complex system for environmental monitoring with a prototype data acquisition board</i> , 13 <sup>th</sup> IMEKO TC4 International Symposium on Measurements for Research and Industry Applications, Athens, Greece, Sept. 29 - Oct. 01, 2004, Vol. II, pp. 428-430 (SCOPUS)	20 / 4 = <b>5</b>
			33. V. David, A. Salceanu, M. Cretu, <b>E. Lunca</b> , <i>The Survey of Electromagnetic Environment near RF Transmitters</i> , 13 <sup>th</sup> IMEKO TC4 International Symposium on Measurements for Research and Industry Applications, Athens, Greece, Sept. 29 - Oct. 01, 2004, Vol. I, pp. 21-25 (SCOPUS)	20 / 4 = <b>5</b>
			34. A. Salceanu, M. Cretu, V. David, <b>E. Lunca</b> , <i>Determining ESD Threats for a Human-Furniture Model in Motor Vehicles</i> , 13 <sup>th</sup> IMEKO TC4 International Symposium on Measurements for Research and Industry Applications, Athens, Greece, Sept. 29 - Oct. 01, 2004, Vol. II, pp. 516-518 (SCOPUS)	20 / 4 = <b>5</b>
			35. C. Donciu, Cristina Schreiner, M. Cretu, <b>E. Lunca</b> , <i>A Distributed Monitoring System For Power Quality</i> , 13 <sup>th</sup> IMEKO TC4 International Symposium on Measurements for Research and Industry Applications, Athens, Greece, Sept. 29 - Oct. 01, 2004, Vol. II, pp. 727-730 (SCOPUS)	20 / 4 = <b>5</b>
			36. C. Donciu, M. Cretu, S. Hanganu, <b>E. Lunca</b> , <i>Narrow Spikes Detection From Distorted Signals</i> , 13 <sup>th</sup> IMEKO TC4 International Symposium on Measurements for Research and Industry Applications, Athens, Greece, Sept. 29 - Oct. 01, 2004, Vol. II, pp. 731-734 (SCOPUS)	20 / 4 = <b>5</b>
	<b>2.4 Granturi / proiecte câștigate prin competiție</b>	2.4.1 Director / responsabil - minimum 2 pentru profesor	2.4.1.2 Naționale	<b>10 * ani de desfășurare</b>
			1. <i>Sistem computerizat de monitorizare în timp real a nivelului poluării electromagnetice cu transmiterea informației prin Internet</i> , Grant tip TD, cod CNCIS 193, 18000 RON, 2004 – 2006 (GR. 33371/2004; GR. 34664/2005; A1/GR. 164/2006)	10 * 3 = <b>30</b>
			2. Grant tip BD, cu tema <i>Cercetări privind sistemele de măsură, control și monitorizare a nivelului poluării electromagnetice</i> , cod CNCIS 7, 9533 RON, 2003 – 2007	10 * 4 = <b>40</b>
		2.4.2 Membru în echipă	2.4.2.1 Internaționale	<b>4 * ani de desfășurare</b>
			1. <i>Zone urbane bioclimatice inteligente cu emisii reduse de carbon ca insule inovatoare energetice într-un oraș durabil (SMART URBAN ISLE)</i> , Proiect Era Net Cofund, Contract 83/2016, 710.968,5 RON, 2016 – 2018, Director Prof. Romeo Ciobanu	4 * 2 = <b>8</b>
			2. <i>Instrumentație la distanță pentru noile griduri regionale dedicate</i> , Bilateral România – Bulgaria, Nr. 62/2008, 121869,49 RON, 2008 – 2009, Director Prof. Cristina Schreiner	4 * 1= <b>4</b>
			3. <i>Filme ceramice subțiri nanoporoase din cristale zeolitice pe bază de siliciu pentru materiale cu constanta dielectrica redusă</i> , Bilateral România – Coreea de Sud, Nr. 64/2008, 204851,07 RON, 2008 – 2009, Director Prof. Romeo Ciobanu	4 * 1 = <b>4</b>
			4. <i>Ecrane și panouri absorbante pentru utilizări speciale bazate pe compozite nano-structurale cu arhitectura predefinită si proprietăți dielectrice și electromagnetice personalizate</i> , Bilateral România – Turcia, Nr. 63/2008, 125646,14 RON, 2008 – 2009, Director Prof. Romeo Ciobanu	4 * 1= <b>4</b>

			<b>2.4.2.2 Naționale</b>	<b>2 * ani de desfășurare</b>
			1. <i>Sistem OFDM bazat pe utilizarea FFT cu argument neîntreg</i> , PNIII-213PED/2017, 330000 RON, 2017 – 2018, Director Prof. Codrin Donciu	2 * 2 = 4
			2. <i>Rețea wireless de senzori pasivi de hidrogen de tip flex-on-chip pe bază de OLC-uri (onionlike carbon) manipulate cu ajutorul dielectroforezei (H2Sense)</i> , PNII Parteneriate, Nr. 43/2014, 331079 RON, 2014 – 2015, Director Prof. Marius Olariu	2 * 2 = 4
			3. <i>Ecrane electromagnetice spațiale bazate pe funcționalizare diferențiată cu nano / micro-particule (DifShield)</i> , PNII Parteneriate, Nr. 260/2014, 245459 RON, 2014 – 2015, Responsabil Prof. Codrin Donciu	2 * 2 = 4
			4. <i>Sistem complex de monitorizare a alunecărilor de teren utilizând traductoare bazate pe noi materiale și tehnologii (LANDSLIDE)</i> , PNII Parteneriate, Nr. 63/2012, 1147571 RON, 2012 – 2015, Director Prof. Cristian Zet	2 * 4 = 8
			5. <i>Microsenzori acustici pe bază de nanofire magnetostrictive pentru aplicații medicale</i> , Colab. PNII Parteneriate, Nr. 12-114/2008, 80000 RON, 2011, Director Prof. Cristian Foșalău	2 * 1 = 2
			6. <i>Sistem pe bază de microfire magnetice pentru neutralizarea activării la distanță a explozivilor prin intermediul telefonului</i> , Colab. PNII Parteneriate, Nr. 82-096/2008, 30000 RON, 2011, Director Prof. Cristian Foșalău	2 * 1 = 2
			7. <i>Microsenzori magnetici implantabili pentru aplicații medicale</i> , Colab. PNII Parteneriate, Nr. 12-110/2008, 40000 RON, 2011, Director Prof. Cristian Foșalău	2 * 1 = 2
			8. <i>Senzori bazați pe elemente de detecție nanometrice pentru aplicații în nano-medicină</i> , Colab. PNII Parteneriate, Nr. 12-109/2008, 79995 RON, 2009 – 2011, Director Prof. Cristian Foșalău	2 * 3 = 6
			9. <i>Metodologie dielectrică nedistructivă neinvazivă comparativă de detectare rapidă a ingredientelor cu potențial major de risc pentru sănătate din produsele alimentare</i> , PNII Parteneriate, Nr. 51-015/2007, 627691.01 RON, 2007 – 2010, Director Prof. Romeo Ciobanu	2 * 4 = 8
			10. <i>Noi metode și tehnici biomedicale de investigare, diagnosticare și monitorizare neinvazivă cu radiații electromagnetice neionogene (BIOELECTRA)</i> , Colab. PNII Parteneriate, Nr. 41-089/2007, 45000 RON, 2009, Responsabil Prof. Alexandru Sălceanu	2 * 1 = 2
			11. <i>Dezvoltarea conceptului de clădire generator-converter de energie regenerabilă, cu autonomie energetică ridicată și acumulare în infrastructură și sol (RENERGHOM)</i> , Colab. PNII Parteneriate, Nr. 21-066/2007, 90000 RON, 2008, Responsabil Prof. Alexandru Sălceanu	2 * 1 = 2
			12. <i>Susținerea integrării cercetării românești în domeniul poluării electromagnetice în rețele, programe și parteneriate europene de profil (INT-€-EMP)</i> , CEEX, Nr. 226/2006, 154830 RON, 2006 – 2008, Director Prof. Alexandru Sălceanu	2 * 3 = 6
			13. <i>Metode și tehnici magnetometrice pentru investigarea activității cardiace (CARDIOMAG)</i> , Colab. CEEX, Nr. 136/2006, 100000 RON, 2008, Responsabil Prof. Alexandru Sălceanu	2 * 1 = 2
			14. <i>Ecrane pentru construcții speciale bazate pe structuri Chiral-Fagure</i> , CEEX, Nr. 46/2006,	2 * 3 =

			550000 RON, 2006 – 2008, Director Prof. Marinel Temneanu	6
			15. Dezvoltarea parteneriatelor C/D prin includerea excelenței românești, în vederea promovării de proiecte comune în domeniul materialelor avansate nanostructurate destinate ecranelor de protecție la radiațiile electromagnetice în domeniul GHz (EPRM-Net), CEEX, Nr. 202/2006, 150000 RON, 2006 – 2008, Director Prof. Cristina Schreiner	2 * 3 = 6
			16. Biocompozite obținute prin reciclarea deșeurilor de PET și utilizarea de derivați ligno-celulozici, CEEX, Nr.79/2006, 720000 RON, 2006 – 2008, Director Prof. Romeo Ciobanu	2 * 3 = 6
			17. Dezvoltarea capacității de integrare a României în cadrul programelor, platformelor și rețelelor europene în domeniul obținerii de biocompozite cu aplicații multisectoriale, CEEX, Nr.179/2006, 130000 RON, 2006 – 2008, Director Prof. Romeo Ciobanu	2 * 3 = 6
			18. Dezvoltarea capacității de integrare a României în cadrul programelor, platformelor și rețelelor europene în domeniul sistemelor virtuale și distribuite de design și management al cercetării, CEEX, Nr.188/2006, 110000 RON, 2006 – 2008, Director Prof. Cristina Schreiner	2 * 3 = 6
			19. Dezvoltarea capacității de integrare a României în cadrul programelor, platformelor și rețelelor europene în domeniul metodelor comparative neinvazive și nedistructive de analiză a calității și securității alimentelor, CEEX, Nr.173/2006, 150000 RON, 2006 – 2008, Director Prof. Romeo Ciobanu	2 * 3 = 6
			20. Sistem integrat de inspecție video-inteligentă a materialelor textile dezvoltat prin metode virtuale de procesare a imaginii, CEEX, Nr. 57/2006, 499000 RON, 2006 – 2008, Director Prof. Marinel Temneanu	2 * 3 = 6
			21. Sistem inteligent de irigare de precizie implementabil pe structuri automate cu deplasare circulară sau liniară, CEEX, Nr. 51/2006, 467300 RON, 2006 – 2008, Director Prof. Codrin Donciu	2 * 3 = 6
			22. Dezvoltarea parteneriatelor C/D în vederea promovării unor proiecte europene în domeniul sistemelor distribuite de monitorizare a mediului, CEEX, Nr. 201/2006, 155400 RON, 2006 – 2008, Director Prof. Marinel Temneanu	2 * 3 = 6
			23. Crearea unui mecanism suport de determinare a indicatorilor științifici pentru evaluarea și atestarea instituțiilor românești de CDI, nu cele academice și universitare, în perspectiva aderării la ERA, Colab. CEEX, Nr. 06-8-66/2006, 160000 RON, 2006 – 2008, Responsabil Prof. Mihai Crețu	2 * 2 = 4
			24. Racordarea principiilor de evaluare și atestare a instituțiilor de CDI la criteriile ERA, Colab. CEEX, Nr. 238/2006, 20000 RON, 2006-2008, Responsabil Prof. Mihai Crețu	2 * 3 = 6
			25. Metode și tehnici neinvazive cu microunde pentru detecția timpurie a cancerului de sân (CANCERDET), Colab. CEEX, Nr. 8/2005, 50000 RON, 2007, Responsabil Prof. Alexandru Sălceanu	2 * 1 = 2
			26. Laborator pentru încercări de imunitate la descărcări electrostatice (LIDES), CEEX, Nr. 187/2006, 299500 RON, 2006 – 2007, Director Prof. Alexandru Sălceanu	2 * 2 = 4
			27. Sistem informatic virtual de instruire interactivă la distanță în domeniul măsurărilor electrice, Grant tip A, cod CNC SIS 443, 89096,4 RON, 2005 – 2007, Director Prof. Mihai Crețu (GR.27637/2005, T. 18; A1/GR. 164/2006, T. 26; A.Ad. GR. 80/2007, T.16)	2 * 3 = 6

				28. <i>Supravegherea înconjurătorului electromagnetic</i> , Grant tip A, cod CNC SIS 801, 46850 RON, 2003 – 2005, Director Prof. Valeriu David (GR. 40222/2003, T. 7; GR. 33371/2004, T. 54; A.Ad.1 34664/2005)	$2 * 3 = 6$
				29. <i>Sistem de măsurare distribuită dezvoltat prin metode de instrumentație virtuală</i> , Grant tip AT, cod CNC SIS 330, 15000 RON, 2003 – 2004, Director Prof. Codrin Donciu (A.Ad 33557/2003; GR. 33371/2004 T. 54)	$2 * 2 = 4$
<b>Total activitate de cercetare (A2)</b>					<b>869,43</b>
<b>Recunoașterea impactului activității (A3)</b>	<b>3.1 Citări în revistele WOS și volumele conferințelor WOS</b>	<b>3.1.2. Profesor: minimum 10 citări</b>			<b>5 / nr. autori ai art. citat</b>
		<b>E. Lunca, V. David, A. Salceanu, I. Cretescu, <i>Assessing the Human Exposure due to Wireless Local Area Networks in Office Environments</i>, Environmental Engineering and Management Journal, Vol. 11, No. 2, pp. 385-391, 2012.</b> <b>CITATĂ de:</b> <ol style="list-style-type: none"> <li>Chiaramello E., Bonato M., et al. Radio Frequency Electromagnetic Fields Exposure Assessment in Indoor Environments: A Review, <i>International Journal of Environmental Research and Public Health</i>, 16(6), 955, 2019, <a href="https://doi.org/10.3390/ijerph16060955">https://doi.org/10.3390/ijerph16060955</a> (<b>Revistă ISI</b>)</li> <li>Răcuciu, M., Iftode, C., &amp; Miclăuș, S., 2016, 'ATHERMAL MICROWAVE RADIATION AFFECTS THE GENETIC OF VEGETAL EMBRYOS', <i>Environmental Engineering &amp; Management Journal (EEMJ)</i>, 15, 12, pp. 2561-2568, <a href="http://omicron.ch.tuiasi.ro/EEMJ/pdfs/vol15/no12/1_434_Racuciu_15.pdf">http://omicron.ch.tuiasi.ro/EEMJ/pdfs/vol15/no12/1_434_Racuciu_15.pdf</a> (<b>Revistă ISI</b>)</li> <li>Foster, K. R., &amp; Moulder, J. E. (2013). Wi-Fi and health: Review of current status of research. <i>Health physics</i>, 105(6), 561-575, <a href="http://journals.lww.com/health-physics/Abstract/2013/12000/Wi_Fi_and_Health_Review_of_Current_Status_of.19.aspx">http://journals.lww.com/health-physics/Abstract/2013/12000/Wi_Fi_and_Health_Review_of_Current_Status_of.19.aspx</a> (<b>Revistă ISI</b>)</li> <li>Foster, K. R. (2013). A world awash with wireless devices: Radio-frequency exposure issues. <i>Microwave Magazine, IEEE</i>, 14(2), 73-84, <a href="http://ieeexplore.ieee.org/xpl/login.jsp?tp=&amp;arnumber=6475359&amp;url=http%3A%2F%2Fieeexplore.ieee.org%2Fxppls%2Fabs_all.jsp%3Farnumber%3D6475359">http://ieeexplore.ieee.org/xpl/login.jsp?tp=&amp;arnumber=6475359&amp;url=http%3A%2F%2Fieeexplore.ieee.org%2Fxppls%2Fabs_all.jsp%3Farnumber%3D6475359</a> (<b>Revistă ISI</b>)</li> <li>Huang, Y., Tian, Y., &amp; Cheng, W. (2014). OPTIMIZATION OF ENERGY SAVING FOR WIRELESS SENSOR NETWORKS. <i>Environmental Engineering and Management Journal</i>, 13(5), 1057-1070, <a href="http://omicron.ch.tuiasi.ro/EEMJ/pdfs/vol13/no5/3_1046_Huang_13.pdf">http://omicron.ch.tuiasi.ro/EEMJ/pdfs/vol13/no5/3_1046_Huang_13.pdf</a> (<b>Revistă ISI</b>)</li> <li>Liu, J., Zhang, W., Fan, R., &amp; Xu, S. (2014). OPTIMAL LOCATION ANALYSIS OF LARGE-SCALE DIGITAL TELEVISION STATIONS BASED ON THE VORONOI DIAGRAM FOR ENVIRONMENTAL MONITORING. <i>Environmental Engineering and Management Journal</i>, 13(5), 1299-1306, <a href="http://omicron.ch.tuiasi.ro/EEMJ/pdfs/vol13/no5/28_64_Liu_12.pdf">http://omicron.ch.tuiasi.ro/EEMJ/pdfs/vol13/no5/28_64_Liu_12.pdf</a> (<b>Revistă ISI</b>)</li> </ol>			$6 * 5/4 = 7,5$
		<b>O. Postolache, P.S. Girão, E. Lunca, P. Bicleanu, M. Andrusca, <i>Unobtrusive Cardio-Respiratory Monitoring Based on Microwave Doppler Radar</i>, 7<sup>th</sup> International Conference and Exposition on Electrical and Power Engineering – EPE 2012, Iasi, Romania, Oct. 25-27, 2012, pp. 597-600.</b> <b>CITATĂ de:</b> <ol style="list-style-type: none"> <li>Ding, Y. P., Tang, J. T., Xu, X. M., &amp; Zhang, J. L. (2014). Echo Interference Suppression Approach for Doppler Through-Wall Radar. <i>IEEE Sensors Journal</i>, 15(6), 3395-3402, <a href="http://ieeexplore.ieee.org/xpl/login.jsp?tp=&amp;arnumber=6967713&amp;url=http%3A%2F%2Fieeexplore.ieee.org%2Fxppls%2Fabs_all.jsp%3Farnumber%3D6967713">http://ieeexplore.ieee.org/xpl/login.jsp?tp=&amp;arnumber=6967713&amp;url=http%3A%2F%2Fieeexplore.ieee.org%2Fxppls%2Fabs_all.jsp%3Farnumber%3D6967713</a> (<b>Revistă ISI</b>)</li> <li>Kiahadi, A., Teker, D., Enginoglu, B., &amp; Oncu, A. (2014, June). A K-Band Radar System for Remote Cardiorespiratory Monitoring. In <i>2014 15<sup>th</sup> International Radar Symposium</i> (pp. 1-4).</li> </ol>			$5 * 5/5 = 5$



			<p><a href="http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=21&amp;SID=S11jCMfRF68EEpwySI&amp;page=1&amp;doc=2">http://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=21&amp;SID=S11jCMfRF68EEpwySI&amp;page=1&amp;doc=2</a> <b>(ISI Proceedings)</b></p> <ol style="list-style-type: none"> <li>3. Tu, Jianxuan; Hwang, Taesong; Lin, Jenshan, <i>Respiration Rate Measurement Under 1-D Body Motion Using Single Continuous-Wave Doppler Radar Vital Sign Detection System</i>, IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES, Volume: 64 Issue: 6 Pages: 1937-1946 Published: JUN 2016, <a href="http://ieeexplore.ieee.org/document/7470533/">http://ieeexplore.ieee.org/document/7470533/</a> <b>(Revistă ISI)</b></li> <li>4. Kaneda, S.; Kubota, Y.; Kurokawa, T.; Furuhashi, T., <i>Hand-Gesture Recognition System by Using Microwave Doppler Sensors</i>, "2015 IEEE 39<sup>th</sup> Annual Computer Software and Applications Conference (COMPSAC), vol.3, pp.211-216, 1-5 July 2015, <a href="http://ieeexplore.ieee.org/xpl/abstractReferences.jsp?tp=&amp;arnumber=7273356&amp;url=http%3A%2F%2Fieeexplore.ieee.org%2Fxppls%2Fabs_all.jsp%3Farnumber%3D7273356">http://ieeexplore.ieee.org/xpl/abstractReferences.jsp?tp=&amp;arnumber=7273356&amp;url=http%3A%2F%2Fieeexplore.ieee.org%2Fxppls%2Fabs_all.jsp%3Farnumber%3D7273356</a> <b>(ISI Proceedings)</b></li> <li>5. Gupta, Rajarshi, <i>ADVANCED INTERFACING TECHNIQUES FOR SENSORS: MEASUREMENT CIRCUITS AND SYSTEMS FOR INTELLIGENT SENSORS</i> Book Series: Smart Sensors Measurement and Instrumentation Volume: 25 Pages: 219-248 Published: 2017 <b>(ISI Proceedings)</b></li> </ol>	
			<p>A. Salceanu, Oana Neacsu, V. David, <b>E. Lunca</b>, <i>Measurements upon Human Body Capacitance: Theory and Experimental Setup</i>, 15<sup>th</sup> IMEKO TC4 International Symposium on Novelty in Electrical Measurements and Instrumentation, Iasi, Romania, Sept. 19-21, 2007, Vol. I, pp. 48-51.</p> <p><b>CITATĂ de:</b></p> <ol style="list-style-type: none"> <li>1. Luis, J. A., Roa Romero, L. M., Gómez-Galán, J. A., Hernández, D. N., Estudillo-Valderrama, M. Á., Barbarov-Rostán, G., &amp; Rubia-Marcos, C. (2014). Design and implementation of a smart sensor for respiratory rate monitoring. <i>Sensors</i>, 14(2), 3019-3032, <a href="http://www.mdpi.com/1424-8220/14/2/3019/htm">http://www.mdpi.com/1424-8220/14/2/3019/htm</a> <b>(Revistă ISI)</b></li> <li>2. Villa, F., Magnani, A., Merati, G., &amp; Castiglioni, P. (2014), Feasibility of Long-Term Monitoring of Multifrequency and Multisegment Body Impedance by Portable Devices, <i>IEEE Transactions on Biomedical Engineering</i>, 61(6), 1877-1886, <a href="http://ieeexplore.ieee.org/xpl/login.jsp?tp=&amp;arnumber=6756949&amp;url=http%3A%2F%2Fieeexplore.ieee.org%2Fiel7%2F10%2F6815992%2F06756949.pdf%3Farnumber%3D6756949">http://ieeexplore.ieee.org/xpl/login.jsp?tp=&amp;arnumber=6756949&amp;url=http%3A%2F%2Fieeexplore.ieee.org%2Fiel7%2F10%2F6815992%2F06756949.pdf%3Farnumber%3D6756949</a> <b>(Revistă ISI)</b></li> <li>3. S. Ajsaka, S. Nakamura, K. Takiguchi, A. Hirose and H. Hashimoto, "Human body position estimation system using electric field resonance coupling," <i>ICCAS 2010</i>, Gyeonggi-do, 2010, pp. 119-123. <a href="http://ieeexplore.ieee.org/document/5669906/">http://ieeexplore.ieee.org/document/5669906/</a> <b>(ISI Proceedings)</b></li> <li>4. Zhang, C.; Li, S.; Song, Y.; Meng, Q.; Lu, L.; Hou, M. BioTouch: Reliable Re-Authentication via Finger Bio-Capacitance and Touching Behavior. <i>Sensors</i> <b>2022</b>, 22, 3583. <a href="https://doi.org/10.3390/s22093583">https://doi.org/10.3390/s22093583</a> <b>(Revistă ISI)</b></li> </ol>	$4 * 5/4 = 5$
			<p><b>E. Lunca</b>, C. Damian, A. Salceanu, <i>EMF Exposure Measurements on 4G/LTE Mobile Communication Networks</i>, 8<sup>th</sup> International Conference and Exposition on Electrical and Power Engineering – EPE 2014, Iasi, Romania, Oct. 16-18, 2014, pp. 545-548.</p> <p><b>CITATĂ de:</b></p> <ol style="list-style-type: none"> <li>1. Gajšek, Peter, Christos Apostolidis, David Plets, Theodoros Samaras, and Blaž Valič. 2025. "EMF Exposure of Workers Due to 5G Private Networks in Smart Industries" <i>Electronics</i> 14, no. 13: 2662. <a href="https://doi.org/10.3390/electronics14132662">https://doi.org/10.3390/electronics14132662</a> <b>(Revistă ISI)</b></li> <li>2. Isabel Expósito, Cedric Hakizimali, Manuel García Sánchez, Iñigo Cuiñas, Jo Verhaevert, <i>Human exposure to EMF from 5G base stations: analysis, evaluation and comparison of different assessment methods</i>, Measurement, Volume 229, 2024, 114434, <a href="https://doi.org/10.1016/j.measurement.2024.114434">https://doi.org/10.1016/j.measurement.2024.114434</a> <b>(Revistă ISI)</b></li> <li>3. da L. A. Silva, Júlia, Vicente A. de Sousa, Jr., Marcio E. C. Rodrigues, Fred Sizenando Rossiter</li> </ol>	$14 * 5/3 = 23,33$

				<p>Pinheiro, Gutemberg Soares da Silva, Halysson B. Mendonça, Ricardo Q. de F. H. Silva, João V. L. da Silva, Fernanda E. S. Galdino, Vitor F. C. de Carvalho, and et al. 2023. "Human Exposure to Non-Ionizing Radiation from Indoor Distributed Antenna System: Shopping Mall Measurement Analysis" <i>Sensors</i> 23, no. 10: 4579. <a href="https://doi.org/10.3390/s23104579">https://doi.org/10.3390/s23104579</a> (<b>Revistă ISI</b>)</p> <p>4. Yang, Zhichao, Dong Dang, Xu Cheng, Juan Mo, Xiaoyu Zhou, Yuqun Fang, and Yong Peng. 2023. "Analysis of Electromagnetic Radiation of Mobile Base Stations Co-located with High-Voltage Transmission Towers" <i>Symmetry</i> 15, no. 6: 1252. <a href="https://doi.org/10.3390/sym15061252">https://doi.org/10.3390/sym15061252</a> (<b>Revistă ISI</b>)</p> <p>5. M. Fernández, I. Peña, U. Gil, U. Jurado and D. Guerra, "Empirical Analysis of Time Variability of Electromagnetic Exposure due to Mobile Communications," <i>2022 IEEE International Symposium on Broadband Multimedia Systems and Broadcasting (BMSB)</i>, Bilbao, Spain, 2022, pp. 1-6, DOI: <a href="https://doi.org/10.1109/BMSB55706.2022.9828471">10.1109/BMSB55706.2022.9828471</a> (<b>ISI Proceedings</b>)</p> <p>6. Marta Fernández, David Guerra, Unai Gil, Iñigo Trigo, Ivan Peña, Amaia Arrinda, <i>Measurements and analysis of temporal and spatial variability of WiFi exposure levels in the 2.4 GHz frequency band</i>, Measurement, Volume 149, 2020, 106970, ISSN 0263-2241, <a href="https://doi.org/10.1016/j.measurement.2019.106970">https://doi.org/10.1016/j.measurement.2019.106970</a> (<b>Revistă ISI</b>)</p> <p>7. D. S. Šuka, M. I. Simić-Pejović and P. V. Pejović, "An overview of EMF exposure assessment metrics," <i>2020 19th International Symposium INFOTEH-JAHORINA (INFOTEH)</i>, East Sarajevo, Bosnia and Herzegovina, 2020, pp. 1-6, DOI: <a href="https://doi.org/10.1109/INFOTEH48170.2020.9066281">10.1109/INFOTEH48170.2020.9066281</a> (<b>ISI Proceedings</b>)</p> <p>8. L. Chiaraviglio, J. Galán-Jiménez, M. Fiore and N. Blefari-Melazzi, "Not in My Neighborhood: A User Equipment Perspective of Cellular Planning Under Restrictive EMF Limits," in <i>IEEE Access</i>, vol. 7, pp. 6161-6185, 2019, doi: <a href="https://doi.org/10.1109/ACCESS.2018.2888916">10.1109/ACCESS.2018.2888916</a> (<b>Revistă ISI</b>)</p> <p>9. E. Koutsi, S. Deligiannis, I. Sarantopoulos, D. Zarbouti, G. Athanasiadou and G. Tsoulos, "Radiation measurements in office environment with Wi-Fi, 3G and 4G users," 2019 8th International Conference on Modern Circuits and Systems Technologies (MOCAST), Thessaloniki, Greece, 2019, pp. 1-4, DOI: <a href="https://doi.org/10.1109/MOCAST.2019.874172">10.1109/MOCAST.2019.874172</a> (<b>ISI Proceedings</b>)</p> <p>10. Shalaby, M., Shokair, M. &amp; Messiha, N.W. Electromagnetic Field Measurement Instruments: Survey. <i>Iran J Sci Technol Trans Electr Eng</i> 43 (Suppl 1), 1–14 (2019), <a href="https://doi.org/10.1007/s40998-018-0116-y">https://doi.org/10.1007/s40998-018-0116-y</a> (<b>Revistă ISI</b>)</p> <p>11. Gkonis, Fotios, Achilles Boursianis, and Theodoros Samaras. "Assessment of General Public Exposure to LTE signals compared to other Cellular Networks Present in Thessaloniki, Greece." <i>Radiation Protection Dosimetry</i> (2016), <a href="https://academic.oup.com/rpd/article-abstract/doi/10.1093/rpd/ncw362/2701519/Assessment-of-General-Public-Exposure-to-LTE">https://academic.oup.com/rpd/article-abstract/doi/10.1093/rpd/ncw362/2701519/Assessment-of-General-Public-Exposure-to-LTE</a> (<b>Revistă ISI</b>)</p> <p>12. Reyes-Lopez, C.R., Vera-Rivera, A.I., <i>Assessment of a non-ionizing radiation measuring system to be used by the Ecuadorian Agency for Regulation and Control of Telecommunications</i> (2016), <i>Elektrotehniski Vestnik/Electrotechnical Review</i>, 83 (5), pp. 266-272, <a href="http://ev.fe.uni-lj.si/5-2016/Lopez.pdf">http://ev.fe.uni-lj.si/5-2016/Lopez.pdf</a> (<b>Revistă ISI</b>)</p> <p>13. M. Ibrani, E. Hamiti, L. Ahma, R. Halili and J. Dobruna, "In-situ experimental evaluation of LTE downlink signal levels in vicinity of base transceiver stations in urban area," 2017 IEEE International Black Sea Conference on Communications and Networking (BlackSeaCom), Istanbul, 2017, pp. 1-5, doi: <a href="https://doi.org/10.1109/BlackSeaCom.2017.8277688">10.1109/BlackSeaCom.2017.8277688</a> (<b>ISI Proceedings</b>)</p> <p>14. O. Bejenaru, C. Lazarescu, S. Vornicu and V. David, "Specific Absorption Rate Evaluation in Case of Exposure of the Human Body to Radiofrequency Electromagnetic Field Generated by Mobile Communications," <i>2018 International Conference and Exposition on Electrical And Power</i></p>	
--	--	--	--	---	--

				<p><i>Engineering (EPE)</i>, Iasi, 2018, pp. 1004-1009, doi: 10.1109/ICEPE.2018.8559927 (<b>ISI Proceedings</b>)</p>	
				<p><b>E. Lunca</b>, S. Ursache, A. Salceanu, <i>LabVIEW Interactive Simulations for Electromagnetic Compatibility</i>, International Journal of Online Engineering (iJOE), Vol. 8, No. 2, pp. 11-14, 2012.</p> <p><b>CITATĂ de:</b></p> <ol style="list-style-type: none"> <li>Soares, F., Leão, C. P., Carvalho, V., Vasconcelos, R. M., &amp; Costa, S. (2014). Automation and control remote laboratory: a pedagogical tool. <i>International Journal of Electrical Eng. Education</i>, 51(1), 54-67, <a href="http://manchester.metapress.com/content/c78k5n483463j232/">http://manchester.metapress.com/content/c78k5n483463j232/</a> (<b>Revistă ISI</b>)</li> </ol>	<p>5/3 = 1,66</p>
				<p><b>E. Lunca</b>, M. Istrate, Alexandru Salceanu, S. Tibuliac, <i>Computation of the Magnetic Field Exposure from 110 kV Overhead Power Lines</i>, 7<sup>th</sup> International Conference and Exposition on Electrical and Power Engineering – EPE 2012, Iasi, Romania, Oct. 25-27, 2012, pp. 628-631.</p> <p><b>CITATĂ de:</b></p> <ol style="list-style-type: none"> <li>Devarajan H. A., <i>A Comprehensive Review of EMF Exposure in Power Systems: Computational Models, Measurement Methods, and Mitigation Approaches</i>. Arch Computat Methods Eng (2025). <a href="https://doi.org/10.1007/s11831-025-10334-4">https://doi.org/10.1007/s11831-025-10334-4</a> (<b>Revistă ISI</b>)</li> <li>Rueda, L.E., Duque, J.E., Vanegas, E., Gomez, E. (2019). Computation of Electromagnetic Fields for 220 kV Power Line in Cartagena de Indias. In: Figueroa-García, J., Duarte-González, M., Jaramillo-Isaza, S., Orjuela-Cañon, A., Díaz-Gutiérrez, Y. (eds) Applied Computer Sciences in Engineering. WEA 2019. Communications in Computer and Information Science, vol 1052. Springer, Cham. <a href="https://doi.org/10.1007/978-3-030-31019-6_52">https://doi.org/10.1007/978-3-030-31019-6_52</a> (<b>ISI Proceedings</b>)</li> <li>Cao, D., Jia, Jr., Xie, Mj., Lei, Y., Li, W. (2019). Hybrid Low Frequency Electromagnetic Field and Solar Energy Harvesting Architecture for Self-Powered Wireless Sensor System. In: Biagioni, E., Zheng, Y., Cheng, S. (eds) Wireless Algorithms, Systems, and Applications. WASA 2019. Lecture Notes in Computer Science(), vol 11604. Springer, Cham. <a href="https://doi.org/10.1007/978-3-030-23597-0_3">https://doi.org/10.1007/978-3-030-23597-0_3</a> (<b>ISI Proceedings</b>)</li> <li>Hamar, R., Šroubová, L., &amp; Kropik, P. (2014). Electromagnetic field along the power overhead line at point where the line route changes direction. <i>COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i>, 33(6), 1950-1964, <a href="http://www.emeraldinsight.com/doi/ref/10.1108/COMPEL-11-2013-0396">http://www.emeraldinsight.com/doi/ref/10.1108/COMPEL-11-2013-0396</a> (<b>Revistă ISI</b>)</li> <li>Lisewski, T., &amp; Luszcz, J. (2014, September). Magnetic field generated by short circuit current in the 110 kV power system. In <i>2014 International Symposium on Electromagnetic Compatibility (EMC Europe)</i>, Gothenburg, Sweden (pp. 360-363), <a href="http://ieeexplore.ieee.org/xpl/login.jsp?tp=&amp;arnumber=6930932&amp;url=http%3A%2F%2Fieeexplore.ieee.org%2Fxppls%2Fabs_all.jsp%3Farnumber%3D6930932">http://ieeexplore.ieee.org/xpl/login.jsp?tp=&amp;arnumber=6930932&amp;url=http%3A%2F%2Fieeexplore.ieee.org%2Fxppls%2Fabs_all.jsp%3Farnumber%3D6930932</a> (<b>ISI Proceedings</b>)</li> <li>URSACHE, Silviu; SALCEANU, Andrei; NEACSU, Oana. <i>Indoor and outdoor measurements of the low frequency magnetic fields in an urban area</i>. In: <i>Electrical and Power Engineering (EPE), 2016 International Conference and Exposition on</i>. IEEE, 2016. p. 376-379. <a href="http://ieeexplore.ieee.org/abstract/document/7781366/">http://ieeexplore.ieee.org/abstract/document/7781366/</a> (<b>ISI Proceedings</b>)</li> </ol>	<p>6 * 5/4 = 7,5</p>
				<p><b>E. Lunca</b>, S. Ursache, Andrei Salceanu, <i>Assessment of Radiofrequency Exposure Levels Generated by WiMAX Base Stations</i>, Environmental Engineering and Management Journal, Vol. 15, No. 12, pp. 2753-2759, 2016.</p> <p><b>CITATĂ de:</b></p> <ol style="list-style-type: none"> <li>O. Bejenaru, C. Lazarescu, S. Vornicu and V. David, "Specific Absorption Rate Evaluation in Case of Exposure of the Human Body to Radiofrequency Electromagnetic Field Generated by Mobile Communications," <i>2018 International Conference and Exposition on Electrical And Power Engineering (EPE)</i>, Iasi, 2018, pp. 1004-1009, doi: 10.1109/ICEPE.2018.8559927 (<b>ISI</b>)</li> </ol>	<p>5/3 = 1,66</p>

				<p><b>Proceedings)</b></p> <p>C. Damian, C. Fosallau, <b>E. Lunca</b>, <i>Virtual Instrumentation for Measuring Amorphous Magnetic Wires Strain Gauges Characteristics</i>, 9<sup>th</sup> International Conference on Remote Engineering and Virtual Instrumentation – REV 2012, Bilbao, Spain, Jul. 04-06, 2012, pp. 195-199</p> <p><b>CITATĂ de:</b></p> <ol style="list-style-type: none"> <li>1. J.J. Beato-López, G. Vargas-Silva, J.I. Pérez-Landazábal, C. Gómez-Polo, <i>Giant stress-impedance (GSI) sensor for diameter evaluation in cylindrical elements</i>, Sensors and Actuators A: Physical, Volume 269, 1 January 2018, Pages 269-275, <a href="https://www.sciencedirect.com/science/article/pii/S0924424717313420">https://www.sciencedirect.com/science/article/pii/S0924424717313420</a> (<b>Revistă ISI</b>)</li> </ol>	<p>5/3 = <b>1,66</b></p>
				<p><b>E. Lunca</b>, M. Istrate, A. Salceanu, <i>Comparative analysis of the extremely low-frequency magnetic field exposure from overhead power lines</i>, Environmental Engineering and Management Journal, Vol. 12, No. 6, pp. 1145-1152, 2013.</p> <p><b>CITATĂ de:</b></p> <ol style="list-style-type: none"> <li>1. Syrek, Przemyslaw, and Mikolaj Skowron. 2026. "Transcranial Brain Stimulation: Technical, Computational, and Clinical Aspects in Contemporary Research" Applied Sciences 16, no. 1: 107. <a href="https://doi.org/10.3390/app16010107">https://doi.org/10.3390/app16010107</a>. (<b>Revistă ISI</b>)</li> <li>2. Devarajan H. A., <i>A Comprehensive Review of EMF Exposure in Power Systems: Computational Models, Measurement Methods, and Mitigation Approaches</i>. Arch Computat Methods Eng (2025). <a href="https://doi.org/10.1007/s11831-025-10334-4">https://doi.org/10.1007/s11831-025-10334-4</a> (<b>Revistă ISI</b>)</li> <li>3. P. Syrek, M. Skowron, P. Kapustka, <i>Eddy Current Distribution in Magnetotherapy of Bones: A Qualitative and Quantitative Study</i>, Applied Sciences, Vol. 15, No. 18:9892, 2025, <a href="https://doi.org/10.3390/app15189892">https://doi.org/10.3390/app15189892</a> (<b>Revistă ISI</b>)</li> <li>4. P. Syrek, C. Barz, M. Skowron and A. Ciesla, "Eddy Currents Distribution in Upper Extremities During Magnetotherapy," <i>2019 11th International Symposium on Advanced Topics in Electrical Engineering (ATEE)</i>, Bucharest, Romania, 2019, pp. 1-4, DOI: <a href="https://doi.org/10.1109/ATEE.2019.8724967">10.1109/ATEE.2019.8724967</a> (<b>ISI Proceedings</b>)</li> <li>5. P. Syrek, M. Skowron and A. Ciesla, "Passive Shielding of Magnetic Field in Transcranial Magnetic Stimulation – Outline of the Problem," <i>2019 11th International Symposium on Advanced Topics in Electrical Engineering (ATEE)</i>, Bucharest, Romania, 2019, pp. 1-4, DOI: <a href="https://doi.org/10.1109/ATEE.2019.8724862">10.1109/ATEE.2019.8724862</a> (<b>ISI Proceedings</b>)</li> <li>6. B. D. Alistar, G. D. Costin, C. D. Neagu and D. F. Bordeianu, "Phasing Relevance on Magnetic Fields Generated by Overhead High Voltage Power Lines," <i>2019 International Conference on Electromechanical and Energy Systems (SIELMEN)</i>, Craiova, Romania, 2019, pp. 1-5, DOI: <a href="https://doi.org/10.1109/SIELMEN.2019.8905901">10.1109/SIELMEN.2019.8905901</a> (<b>ISI Proceedings</b>)</li> <li>7. M. Morega, I.M. Baran, A.M. Morega, A.K.L. Hussain, "On the Assessment of Human Exposure to Low Frequency Magnetic Field at the Workplace", <i>Rev. Roum. Sci. Techn. – Électrotechn. et Énerg.</i>, vol. 63, no. 2, pp. 162-171, 2018 (<b>Revistă ISI</b>)</li> <li>8. P Syrek and M Skowron, <i>The impact of overhead lines for employees with stents</i>, Conference on Innovative Ideas in Science Location: Baia Mare, ROMANIA Date: NOV 10-11, 2016 – Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 200 Article Number: UNSP 012013, Published: 2017 (<b>ISI Proceedings</b>)</li> <li>9. Marcu, M., Popescu, F. G., &amp; Pana, L. (2014). MODELING AND SIMULATION OF POWER ACTIVE FILTERS FOR REDUCING HARMONIC POLLUTION USING THE INSTANTANEOUS REACTIVE POWER THEORY. <i>Environmental Engineering and Management Journal</i>, 13(6), 1377-1382, <a href="http://omicron.ch.tuiasi.ro/EEMJ/pdfs/vol13/no6/9_1083_Marcu_13.pdf">http://omicron.ch.tuiasi.ro/EEMJ/pdfs/vol13/no6/9_1083_Marcu_13.pdf</a> (<b>Revistă ISI</b>)</li> <li>10. Roșu, G., Baltag, O., Enache, F., &amp; Morega, M. (2016, October). Environmental magnetic field</li> </ol>	<p>11 * 5/3 = <b>18,26</b></p>

			<p>assessment. A case study. In Applied and Theoretical Electricity (ICATE), 2016 International Conference on (pp. 1-6). IEEE. <a href="http://ieeexplore.ieee.org/abstract/document/7754701/">http://ieeexplore.ieee.org/abstract/document/7754701/</a> (<b>ISI Proceedings</b>)</p> <p>11. URSACHE, Silviu; SALCEANU, Andrei; NEACSU, Oana. <i>Indoor and outdoor measurements of the low frequency magnetic fields in an urban area</i>. In: Electrical and Power Engineering (EPE), 2016 International Conference and Exposition on. IEEE, 2016. p. 376-379. <a href="http://ieeexplore.ieee.org/abstract/document/7781366/">http://ieeexplore.ieee.org/abstract/document/7781366/</a> (<b>ISI Proceedings</b>)</p>	
			<p>C. Damian, E. Lunca, <i>A Low Area FIR Filter for FPGA Implementation</i>, 34<sup>th</sup> International Conference on Telecommunications and Signal Processing – TSP 2011, Budapesta, Ungaria, Aug. 18-20, 2011, pp. 521-524.</p> <p><b>CITATĂ de:</b></p> <ol style="list-style-type: none"> <li>1. Bailey, J. Phillip, et al. "A digital matched filter for reverse time chaos." <i>Chaos: An Interdisciplinary Journal of Nonlinear Science</i> 26.7 (2016): 073108, <a href="http://aip.scitation.org/doi/abs/10.1063/1.4955269">http://aip.scitation.org/doi/abs/10.1063/1.4955269</a> (<b>Revistă ISI</b>)</li> <li>2. Mathur, N., &amp; Lakshmi, B. (2014, July). High throughput arbitrary sample rate converter for software radios. In <i>2014 International Conference on Control, Instrumentation, Communication and Computational Technologies</i> (pp. 1121-1123), <a href="http://ieeexplore.ieee.org/abstract/document/6993129/">http://ieeexplore.ieee.org/abstract/document/6993129/</a> (<b>ISI Proceedings</b>)</li> <li>3. L. Ke, M. Qiang, Z. Xingpeng, G. Guangkun, Y. Xing and H. Lei, "The design of baseband signal generator," 2017 13th IEEE International Conference on Electronic Measurement &amp; Instruments (ICEMI), Yangzhou, 2017, pp. 221-228, doi: 10.1109/ICEMI.2017.8265943, <a href="https://ieeexplore.ieee.org/abstract/document/8265943/">https://ieeexplore.ieee.org/abstract/document/8265943/</a> (<b>ISI Proceedings</b>)</li> </ol>	$3 * 5/2 = 7,5$
			<p>V. Dafinescu, V. David, D. Andritoi, E. Lunca, Elena-Niculina Dragoi, <i>Electromagnetic Pollution of the Hospital Environment due to New Generation Mobile Phones</i>, Environmental Engineering and Management Journal, Vol. 14, No. 1, pp. 73-78, 2015.</p> <p><b>CITATĂ de:</b></p> <ol style="list-style-type: none"> <li>1. Răuciu, M, Iftode, C, &amp; Miclăuş, S, 2016, 'ATHERMAL MICROWAVE RADIATION AFFECTS THE GENETIC OF VEGETAL EMBRYOS', Environmental Engineering &amp; Management Journal (EEMJ), 15, 12, pp. 2561-2568, <a href="http://omicron.ch.tuiasi.ro/EEMJ/pdfs/vol15/no12/1_434_Racuciu_15.pdf">http://omicron.ch.tuiasi.ro/EEMJ/pdfs/vol15/no12/1_434_Racuciu_15.pdf</a> (<b>Revistă ISI</b>)</li> <li>2. Maria-Raluca, Munteanu, et al. "Neurosurgical treatment of glioblastomas using neurophysiological monitoring, neuronavigation, radiosurgery and fluorescence-guided surgery with 5-Aminolevulinic acid." <i>E-Health and Bioengineering Conference (EHB)</i>, 2015. IEEE, 2015, DOI: 10.1109/EHB.2015.7391581 (<b>ISI Proceedings</b>)</li> </ol>	$2 * 5/5 = 2$
			<p>E. Lunca, A. Salceanu, <i>An Overview of RF-EMF Monitoring Systems and Associated Monitoring Data</i>, 9<sup>th</sup> International Conference and Exposition on Electrical and Power Engineering – EPE 2016, Iasi, Romania, Oct. 20-22, 2016, pp. 418-42.</p> <p><b>CITATĂ de:</b></p> <ol style="list-style-type: none"> <li>1. N. Djuric, N. Kavacan, V. Otasevic, D. Kljajic and S. Djuric, "Empowering the Serbian EMF RATEL System for Monitoring RF-EMF Through Drive Test," in IEEE Access, vol. 13, pp. 180918-180940, 2025, doi: 10.1109/ACCESS.2025.3618714 (<b>Revistă ISI</b>)</li> <li>2. Xinwei Song, Wenjun Feng, Chen Yang, Nikola Djuric, Dragan Kljajic, Snezana Djuric, <i>Study on field strength prediction using different models on time series from urban continuous RF-EMF monitoring</i>, Expert Systems with Applications, Volume 274, 2025, 126963, <a href="https://doi.org/10.1016/j.eswa.2025.126963">https://doi.org/10.1016/j.eswa.2025.126963</a> (<b>Revistă ISI</b>)</li> <li>3. N. Djuric, D. Kljajic, N. Pasquino, V. Otasevic and S. Djuric, "A Framework for RF-EMF Time Series Analysis Through Multi-Scale Time Averaging," in IEEE Access, vol. 13, pp. 84811-84825,</li> </ol>	$10 * 5/2 = 25$



			<p>2025, <a href="https://ieeexplore.ieee.org/document/11002468">https://ieeexplore.ieee.org/document/11002468</a> (<b>Revistă ISI</b>)</p> <p>4. N. Pasquino, N. Solmonte, N. Djuric, D. Kljajic and S. Djuric, "Cluster Analysis of RF-EMF Exposure to Detect Time Patterns in Urban Environment: A Model-Based Approach," in <i>IEEE Access</i>, vol. 13, pp. 118724-118732, 2025, <a href="https://ieeexplore.ieee.org/document/11072665">https://ieeexplore.ieee.org/document/11072665</a> (<b>Revistă ISI</b>)</p> <p>5. N. Moraitis and K. S. Nikita, "Time-Series RF-EMF Predictions for Exposure Assessments Using Machine Learning Techniques," 2025 19th European Conference on Antennas and Propagation (EuCAP), Stockholm, Sweden, 2025, pp. 1-5, doi: 10.23919/EuCAP63536.2025.10999319, <a href="https://ieeexplore.ieee.org/document/10999319">https://ieeexplore.ieee.org/document/10999319</a> (<b>ISI Proceedings</b>)</p> <p>6. N. Pasquino, N. Solmonte, N. Djuric, D. Kljajic and S. Djuric, "Model-Based Clustering of RF-EMF Monitoring Data to Analyze Time Variability," 2024 IEEE International Symposium on Measurements &amp; Networking (M&amp;N), Rome, Italy, 2024, pp. 1-6, DOI: <a href="https://doi.org/10.1109/MN60932.2024.10615478">10.1109/MN60932.2024.10615478</a> (<b>ISI Proceedings</b>)</p> <p>7. L. Radovic, R. Turovic, N. Djuric, T. Skoric and D. Kljajic, "ML-based Detection of Radiation Azimuth Changes of Base Station," 2024 IEEE International Symposium on Measurements &amp; Networking (M&amp;N), Rome, Italy, 2024, pp. 1-5, DOI: <a href="https://doi.org/10.1109/MN60932.2024.10615778">10.1109/MN60932.2024.10615778</a> (<b>ISI Proceedings</b>)</p> <p>8. T. Panagiotakopoulos, Y. Kiouvrekis, L. -M. Mithos and C. Kappas, "RF-EMF Exposure Assessments in Greek Schools to Support Ubiquitous IoT-Based Monitoring in Smart Cities," in <i>IEEE Access</i>, vol. 11, pp. 7145-7156, 2023, doi: 10.1109/ACCESS.2023.3237970, <a href="https://ieeexplore.ieee.org/document/10018953">https://ieeexplore.ieee.org/document/10018953</a> (<b>Revistă ISI</b>)</p> <p>9. N. Djuric, D. Kljajic, T. Gavrilov, V. Otasevic and S. Djuric, "The EMF Exposure Monitoring in Cellular Networks by Serbian EMF RATEL System," 2022 <i>IEEE International Symposium on Measurements &amp; Networking (M&amp;N)</i>, Padua, Italy, 2022, pp. 1-6, doi: <a href="https://doi.org/10.1109/MN55117.2022.9887716">10.1109/MN55117.2022.9887716</a> (<b>ISI Proceedings</b>)</p> <p>10. Nedic , G. S. ., Djuric , N. M. ., &amp; Kljajic , D. R. . (2022). The Comparison of EMF Monitoring Campaigns in Vicinity of Power Distribution Facilities. <i>The Applied Computational Electromagnetics Society Journal (ACES)</i>, 37(1), 129–139. <a href="https://doi.org/10.13052/2022.ACES.J.370115">https://doi.org/10.13052/2022.ACES.J.370115</a> (<b>Revistă ISI</b>)</p>	
		<p><b>E. Lunca, A. Salceanu, S. Ursache, <i>Automated Measurement and Monitoring of the Electromagnetic Fields from GSM Systems</i>, Journal of Clean Energy Technologies, Vol. 1, No. 3, pp. 174-177, 2013.</b></p> <p><b>CITATĂ de:</b></p> <p>1. Bormpantonakis, P. M., Stratakis, D. I., Mastorakis, G. N., Skeberis, C. N., Mavromoustakis, C. X., &amp; Bechet, P. V. (2016, July). Exposure EMF measurements with spectrum analyzers using free and open source software. In <i>Telecommunications and Multimedia (TEMU), 2016 International Conference on</i> (pp. 1-5). IEEE. <a href="http://ieeexplore.ieee.org/abstract/document/7551913/">http://ieeexplore.ieee.org/abstract/document/7551913/</a> (<b>ISI Proceedings</b>)</p> <p>2. Buckus Raimondas; Baltrėnas Pranas; Skeivalas Jonas; Grubliauskas Raimondas; Crețescu Igor. <i>Mobile phones electromagnetic field radiation research and analysis of its dispersion by applying Matlab7 software</i>. Environmental engineering and management journal. Iasi: "Gheorghe Asachi" Technical University of Iasi. ISSN 1582-9596. Vol. 16, no. 5 (2017), p. 1177-1184., <a href="http://www.eemj.icpm.tuiasi.ro/pdfs/vol16/no5/19_432_Buckus_15.pdf">http://www.eemj.icpm.tuiasi.ro/pdfs/vol16/no5/19_432_Buckus_15.pdf</a> (<b>Revistă ISI</b>)</p> <p>3. Cela, S., Kamo, B., Cakaj, S., Muka, Q., &amp; Mitrushi, R. M. (2013, September). An algorithm for processing the measurement results of electromagnetic field near 2G and 3G base stations in Albanian territory. In <i>21<sup>st</sup> International Conference on Software, Telecommunications and Computer Networks, SoftCOM 2013</i> (pp. 1-5), <a href="http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&amp;arnumber=6671852&amp;url=http%3A%2F%2Fiee">http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&amp;arnumber=6671852&amp;url=http%3A%2F%2Fiee</a></p>	3 * 5/3 = 5	

			<p><a href="https://explore.ieee.org%2Fxppls%2Fabs_all.jsp%3Farnumber%3D6671852">explore.ieee.org%2Fxppls%2Fabs_all.jsp%3Farnumber%3D6671852</a> (<b>ISI Proceedings</b>)</p> <p>O. Bejenaru, <b>E. Lunca</b>, V. David, <i>Simulation and Measurement of the Radiofrequency Electromagnetic Field Generated by a LTE Base Station</i>, 2019 International Conference on Electromechanical and Energy Systems (SIELMEN 2019), Craiova, Romania, October 9-11, 2019, pp. 1-4.</p> <p><b>CITATĂ de:</b></p> <ol style="list-style-type: none"> <li>1. Yang, Zhichao, Dong Dang, Xu Cheng, Juan Mo, Xiaoyu Zhou, Yuqun Fang, and Yong Peng. 2023. "Analysis of Electromagnetic Radiation of Mobile Base Stations Co-located with High-Voltage Transmission Towers" <i>Symmetry</i> 15, no. 6: 1252. <a href="https://doi.org/10.3390/sym15061252">https://doi.org/10.3390/sym15061252</a> (<b>Revistă ISI</b>)</li> </ol>	<p>5/3 = <b>1,66</b></p>
			<p><b>E. Lunca</b>, C. Damian, D. Petrisor, O. Postolache, <i>Programmable Active Filters Based on Digital Potentiometers</i>, 7<sup>th</sup> International Conference and Exposition on Electrical and Power Engineering – EPE 2012, Iasi, Romania, Oct. 25-27, 2012, pp. 787-791</p> <p><b>CITATĂ de:</b></p> <ol style="list-style-type: none"> <li>1. Seungjun Oh, Eungchul Kim, Hyunmo An, Bo-un Yoon, Kihoon Jang, Donghoon Kwon, Wonkeun Cho, Taesung Kim, <i>An eddy current sensor for end-point detection in chemical mechanical planarization using composition signal filtration and a digital potentiometer</i>, Materials Science in Semiconductor Processing, Volume 181, 2024, 108614, ISSN 1369-8001, <a href="https://doi.org/10.1016/j.mssp.2024.108614">https://doi.org/10.1016/j.mssp.2024.108614</a> (<b>Revistă ISI</b>)</li> <li>2. Walid Ounis, Manel Chetoui, Slaheddine Najar, Mohamed Aoun, <i>Fully real-time configurable analogue implementation of continuous-time transfer function: Application on fractional controller</i>, AEU - International Journal of Electronics and Communications, Volume 178, 2024, 155265, <a href="https://doi.org/10.1016/j.aeue.2024.155265">https://doi.org/10.1016/j.aeue.2024.155265</a> (<b>Revistă ISI</b>)</li> <li>3. Pandiev, I. M. (2016, September). Behavioral modeling of CMOS digital potentiometers using VHDL-AMS. In <i>Power Electronics and Motion Control Conference (PEMC), 2016 IEEE International</i> (pp. 940-945). IEEE. <a href="http://ieeexplore.ieee.org/abstract/document/7752120/">http://ieeexplore.ieee.org/abstract/document/7752120/</a> (<b>ISI Proceedings</b>)</li> <li>4. Sotner, R.; Jerabek, J.; Langhammer, L.; Dvorak, J. Design and Analysis of CCII-Based Oscillator with Amplitude Stabilization Employing Optocouplers for Linear Voltage Control of the Output Frequency. <i>Electronics</i> <b>2018</b>, 7, 157 (<b>Revistă ISI</b>)</li> <li>5. R. Sotner, O. Domansky, L. Langhammer and J. Petrzela, "Comparison of Simple Design Methods for Voltage Controllable Resistance," <i>2020 30th International Conference Radioelektronika (RADIOELEKTRONIKA)</i>, Bratislava, Slovakia, 2020, pp. 1-6, doi: <a href="https://doi.org/10.1109/RADIOELEKTRONIKA49387.2020.9092366">10.1109/RADIOELEKTRONIKA49387.2020.9092366</a> (<b>ISI Proceedings</b>)</li> <li>6. K. R. A. Batin, G. V. Magwili and F. L. Valiente, "Test Time Reduction for Nonlinearity Error Testing of Digital Potentiometer," <i>2020 IEEE 12th International Conference on Humanoid, Nanotechnology, Information Technology, Communication and Control, Environment, and Management (HNICEM)</i>, Manila, Philippines, 2020, pp. 1-6, doi: <a href="https://doi.org/10.1109/HNICEM51456.2020.9400114">10.1109/HNICEM51456.2020.9400114</a> (<b>ISI Proceedings</b>)</li> <li>7. I. M. Pandiev, "Analysis and Behavioral Modeling of Monolithic Digital Potentiometers," in <i>IEEE Transactions on Industry Applications</i>, vol. 54, no. 1, pp. 416-425, Jan.-Feb. 2018, doi: <a href="https://doi.org/10.1109/TIA.2017.2761830">10.1109/TIA.2017.2761830</a> (<b>Revistă ISI</b>)</li> <li>8. I. M. Pandiev, High-Order Digitally Programmable CFOA Universal Filter Structures Based on State Variable Approach, 23rd IEEE International Symposium for Design and Technology in Electronic Packaging (SIITME), Constanta, ROMANIA, OCT 26-29, 2017, pp. 165-170, DOI: <a href="https://doi.org/10.1109/SIITME.2017.8259882">10.1109/SIITME.2017.8259882</a> (<b>ISI Proceedings</b>)</li> <li>9. D. Y. Denisenko, Y. I. Ivanov, N. N. Prokopenko and N. A. Dmitrienko, "Digital potentiometers in</li> </ol>	<p>9 * 5/4 = <b>11,25</b></p>

			<p>the tasks of settings precision analog RC-filters taking into account the tolerances for passive components," 2017 18th International Conference of Young Specialists on Micro/Nanotechnologies and Electron Devices (EDM), Erlagol, 2017, pp. 205-210, doi: 10.1109/EDM.2017.7981741 (<b>ISI Proceedings</b>)</p>	
			<p>M. Andrusca, M. Adam, A. Dragomir, <b>E. Lunca</b>, <i>Innovative Integrated Solution for Monitoring and Protection of Power Supply System from Railway Infrastructure</i>, Sensors, Vol. 21, No. 23, 2021.</p> <p><b>CITATĂ de:</b></p> <ol style="list-style-type: none"> <li>1. Zhang, B., Zhang, H., Wei, X., Xu, M., &amp; Gao, J. (2026). <i>ESO-based adaptive sliding mode control for DC–DC buck converters in track vibration energy harvesting</i>. Journal of Renewable and Sustainable Energy, 18(3). <a href="https://pubs.aip.org/aip/jrse/article-abstract/18/3/034701/3392380/ESO-based-adaptive-sliding-mode-control-for-DC-DC?redirectedFrom=fulltext">https://pubs.aip.org/aip/jrse/article-abstract/18/3/034701/3392380/ESO-based-adaptive-sliding-mode-control-for-DC-DC?redirectedFrom=fulltext</a> (<b>Revistă ISI</b>)</li> <li>2. C. T.Obe and N. I.Nwulu, "Photovoltaic-Assisted Energy Optimization for High-Speed Train Performance in South Africa Intercity Electric Rail Corridors." The Journal of Engineering, no. 1 (2026): e70187. <a href="https://doi.org/10.1049/tje2.70187">https://doi.org/10.1049/tje2.70187</a> (<b>Revistă ISI</b>)</li> <li>3. Mufamadi, Rofhiwa C., Oladipo, Stephen O., Akuru, Udochukwu B., <i>Comparison of Neuro-Fuzzy and Neural Network Techniques for Estimating the Line Voltage of 8E Electrical Locomotives</i>, International Transactions on Electrical Energy Systems, 2026, 5591984, 20 pages, 2026. <a href="https://doi.org/10.1155/etep/5591984">https://doi.org/10.1155/etep/5591984</a> (<b>Revistă ISI</b>)</li> <li>4. Pieniak, D., Guzik, M., Lonkwic, P. et al. The influence of geometric nonconformance of the SB4 tension clamps on their strength and elasticity characteristics. Sci Rep 14, 29540 (2024). <a href="https://doi.org/10.1038/s41598-024-80944-8">https://doi.org/10.1038/s41598-024-80944-8</a> (<b>Revistă ISI</b>)</li> <li>5. X. Han, <i>Fault diagnosis model for railway signalling equipment using deep learning techniques</i>, International Journal of Sensor Networks, Vol. 45, No. 1, 2024, pp. 40-53, <a href="https://doi.org/10.1504/IJSNET.2024.138759">https://doi.org/10.1504/IJSNET.2024.138759</a> (<b>Revistă ISI</b>)</li> <li>6. Li R, Wang J, Zhang C, Tang X, Lun C. <i>Research on digital system for identifying on-site operations of power infrastructure based on time-stamped measurements (TSM)</i>. Journal of Computational Methods in Sciences and Engineering. 2025;25(4):3536-3551. <a href="https://journals.sagepub.com/doi/abs/10.1177/14727978251323099">https://journals.sagepub.com/doi/abs/10.1177/14727978251323099</a> (<b>Revistă ISI</b>)</li> <li>7. Ciszewski, Tomasz, Jerzy Wojciechowski, Mieczysław Kornaszewski, Grzegorz Krawczyk, Beata Kuźmińska-Sołśnia, and Artur Hermanowicz. 2025. "Assessment of the Risk of Failure in Electric Power Supply Systems for Railway Traffic Control Devices" Sensors 25, no. 14: 4501. <a href="https://doi.org/10.3390/s25144501">https://doi.org/10.3390/s25144501</a> (<b>Revistă ISI</b>)</li> <li>8. Ghasemkhani B, Kut RA, Yilmaz R, Birant D, Arıkök YA, Güzelyol TE, Kut T. <i>Machine Learning Model Development to Predict Power Outage Duration (POD): A Case Study for Electric Utilities</i>. Sensors. 2024; 24(13):4313. <a href="https://doi.org/10.3390/s24134313">https://doi.org/10.3390/s24134313</a> (<b>Revistă ISI</b>)</li> <li>9. Ambriško, L., Šaderová, J. and Antal, R., 2023. Evaluation of Railway Vehicle Reliability Parameters. <i>Acta Polytechnica Hungarica</i>, 20(4), pp.27-43, <a href="https://acta.uni-obuda.hu/Ambriško_Saderova_Antal_133.pdf">https://acta.uni-obuda.hu/Ambriško_Saderova_Antal_133.pdf</a> (<b>Revistă ISI</b>)</li> <li>10. Zieliński, D.; Grzechca, D. Selection of Surge Protection Module Components for Communication Lines Using a Genetic Algorithm. <i>Sensors</i> <b>2022</b>, 22, 2075. <a href="https://doi.org/10.3390/s22062075">https://doi.org/10.3390/s22062075</a> (<b>Revistă ISI</b>)</li> <li>11. Bigharaz, M.H.; Dehcheshmeh, M.A.; Givi, H.; Hubálovský, Š. Multi-Objective Real-Time Tuning of SVC Used in Electrified Traction Systems. <i>Sensors</i> <b>2022</b>, 22, 1584. <a href="https://doi.org/10.3390/s22041584">https://doi.org/10.3390/s22041584</a> (<b>Revistă ISI</b>)</li> </ol>	<p>11 * 5/4 = 13,75</p>
			<p>M. Andrusca, M. Adam, A. Dragomir, <b>E. Lunca</b>, R. Seeram, O. Postolache, <i>Condition Monitoring System</i></p>	<p>4 * 5/6 =</p>

			<p>and Faults Detection for Impedance Bonds from Railway Infrastructure, Applied Sciences, Vol. 10, No. 18, pp. 1-20, 2020.</p> <p><b>CITATĂ de:</b></p> <ol style="list-style-type: none"> <li>1. Pieniak, D., Guzik, M., Lonkwic, P. et al. The influence of geometric nonconformance of the SB4 tension clamps on their strength and elasticity characteristics. Sci Rep 14, 29540 (2024). <a href="https://doi.org/10.1038/s41598-024-80944-8">https://doi.org/10.1038/s41598-024-80944-8</a> (<b>Revistă ISI</b>)</li> <li>2. Xin Zhang and Yan Ru, <i>Fault prediction of railway track circuit based on machine learning</i>, International Journal of Sensor Networks, Vol. 45, No. 4, pp. 216-228, 2024, <a href="https://doi.org/10.1504/IJSNET.2024.140393">https://doi.org/10.1504/IJSNET.2024.140393</a> (<b>Revistă ISI</b>)</li> <li>3. Mohammed Alsumaidee, Yaseen Ahmed, Chong Tak Yaw, Siaw Paw Koh, Sieh Kiong Tiong, Chai Phing Chen, Chung Hong Tan, Kharudin Ali, and Yogendra A. L. Balasubramaniam. 2023. "Detecting Arcing Faults in Switchgear by Using Deep Learning Techniques" Applied Sciences 13, no. 7: 4617. <a href="https://doi.org/10.3390/app13074617">https://doi.org/10.3390/app13074617</a> (<b>Revistă ISI</b>)</li> <li>4. Canova, Aldo, Michele Tartaglia, and Michele Quercio. 2023. "Optimisation Design of a Low-Frequency Eddy Current Rail Heater" Energies 16, no. 21: 7427. <a href="https://doi.org/10.3390/en16217427">https://doi.org/10.3390/en16217427</a> (<b>Revistă ISI</b>)</li> </ol>	3,33
			<p><b>E. Lunca, E. Staicu, M. Balaucă, 10 Hz – 20 kHz Single-axis Magnetic Field Meter</b>, 8<sup>th</sup> International Conference and Exposition on Electrical and Power Engineering – EPE 2014, Iasi, Romania, Oct. 16-18, 2014, pp. 453-456.</p> <p><b>CITATĂ de:</b></p> <ol style="list-style-type: none"> <li>1. URSACHE, Silviu; SALCEANU, Andrei; NEACSU, Oana. Indoor and outdoor measurements of the low frequency magnetic fields in an urban area. In: <i>Electrical and Power Engineering (EPE), 2016 International Conference and Exposition on</i>. IEEE, 2016. p. 376-379. <a href="http://ieeexplore.ieee.org/abstract/document/7781366/">http://ieeexplore.ieee.org/abstract/document/7781366/</a> (<b>ISI Proceedings</b>)</li> <li>2. I. Pavel, V. David and C. Donose, "A Measurement System for the Automatic Survey of the Low Frequency Magnetic Field," 2018 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, 2018, pp. 0568-0571, doi: 10.1109/ICEPE.2018.8559761 (<b>ISI Proceedings</b>)</li> </ol>	2 * 5/3 = 3,33
			<p><b>E. Lunca, S. Ursache, A. Vasniuc, Temperature monitoring system based on multiple TMP75 digital sensors and the PC's parallel port</b>, 9<sup>th</sup> International Symposium on Advanced Topics in Electrical Engineering – ATEE 2015, Bucharest, Romania, May 7-9, 2015, pp. 15-18.</p> <p><b>CITATĂ de:</b></p> <ol style="list-style-type: none"> <li>1. Tibor Vince, Matej Beres, Irena Kováčová, Ján Molnár, Branislav Fecko, Jozef Dziak, Iveta Tomciková, Milan Guzan, <i>IoT Implementation in Remote Measuring Laboratory VMLab Analyses</i>, J. Univers. Comput. Sci. 26(11): 1402-1421 (2020), <a href="http://jucs.org/jucs_26_11/iot_implementation_in_remote/jucs_26_11_1402_1421_vince.pdf">http://jucs.org/jucs_26_11/iot_implementation_in_remote/jucs_26_11_1402_1421_vince.pdf</a> (<b>Revistă ISI</b>)</li> <li>2. P. Visconti, P. Primiceri, R. de Fazio, A. Lay-Ekuakille, Development and Characterization of a white Led-Based Spectrophotometer for UV/VIS Gaseous Pollutants Detection Employing Michelson Interferometer and an Optical Filtering System, Instrum Exp Tech (2018) 61: 283. <a href="https://doi.org/10.1134/S0020441218020252">https://doi.org/10.1134/S0020441218020252</a> (<b>Revistă ISI</b>)</li> <li>3. P. Visconti, A. Lay-Ekuakille, P. Primiceri, G. Ciccacese and R. de Fazio, "Hardware Design and Software Development for a White LED-Based Experimental Spectrophotometer Managed by a PIC-Based Control System," in IEEE Sensors Journal, vol. 17, no. 8, pp. 2507-2515, 15 April, 2017, doi: 10.1109/JSEN.2017.2669529 (<b>Revistă ISI</b>)</li> <li>4. Andrușcă, M., Adam, M., Burlica, R., Munteanu, A., &amp; Dragomir, A. (2016, October).</li> </ol>	4 * 5/3 = 6,66

				<p>Considerations regarding the influence of contact resistance on the contacts of low voltage electrical equipment. In Electrical and Power Engineering (EPE), 2016 International Conference and Exposition on (pp. 123-128). <a href="http://ieeexplore.ieee.org/abstract/document/7781317/">http://ieeexplore.ieee.org/abstract/document/7781317/</a> (<b>ISI Proceedings</b>)</p>	
				<p><b>E. Lunca, S. Ursache, A. Salceanu, <i>Computation and Analysis of the Extremely Low Frequency Electric and Magnetic Fields Generated by Two Designs of 400 kV Overhead Transmission Lines</i>, Measurement, Vol. 124, pp. 197-204, 2018.</b></p> <p><b>CITATĂ de:</b></p> <ol style="list-style-type: none"> <li>1. J. Xu, B. Wan, Z. Gan, Y. Zhang, Y. Lu and X. Li, "Analysis of Electric Field Shielding Characteristics on Residential Platforms and Optimization of Shielding Position Near 1000 kV Double-Circuit Transmission Lines on the Same Tower," in IEEE Transactions on Power Delivery, DOI: <a href="https://doi.org/10.1109/TPWRD.2026.3676782">10.1109/TPWRD.2026.3676782</a> (<b>Revistă ISI</b>)</li> <li>2. Bubu, P.E., Eze, V.H.U., Adie, A.E. et al. <i>Simulation and analysis of magnetic fields around High-Voltage power lines using Python for enhanced safety and design insights</i>. Scientific Reports 15, 33975 (2025). <a href="https://doi.org/10.1038/s41598-025-11464-2">https://doi.org/10.1038/s41598-025-11464-2</a> (<b>Revistă ISI</b>)</li> <li>3. Devarajan H. A., <i>A Comprehensive Review of EMF Exposure in Power Systems: Computational Models, Measurement Methods, and Mitigation Approaches</i>. Arch Computat Methods Eng (2025). <a href="https://doi.org/10.1007/s11831-025-10334-4">https://doi.org/10.1007/s11831-025-10334-4</a> (<b>Revistă ISI</b>)</li> <li>4. N. Anand, M. Balasingh Moses, <i>Electromagnetic radiation detection and monitoring in high-voltage transmission lines using machine learning techniques</i>, Measurement, Volume 253, Part C, 2025, 117645, <a href="https://doi.org/10.1016/j.measurement.2025.117645">https://doi.org/10.1016/j.measurement.2025.117645</a> (<b>Revistă ISI</b>)</li> <li>5. Alihodžić, Ajdin, Adnan Mujezinović, and Emir Turajlić. "Artificial neural network-based method for overhead lines magnetic flux density estimation." Journal of Electrical Engineering 75, no. 3 (2024): 181-191. <a href="https://sciendo.com/article/10.2478/jee-2024-0022">https://sciendo.com/article/10.2478/jee-2024-0022</a> (<b>Revistă ISI</b>)</li> <li>6. Devarajan Harimurugan, Gururaj S Puneekar, <i>GA-CSM based optimized clearances for the reduction of occupational exposure in EHV substation</i>, Electric Power Systems Research, Volume 214, Part A, 2023, 108855, <a href="https://doi.org/10.1016/j.epsr.2022.108855">https://doi.org/10.1016/j.epsr.2022.108855</a> (<b>Revistă ISI</b>)</li> <li>7. A. Mujezinovic, E. Turajlic, A. Alihodzic, N. Dautbasic and M. M. Dedovic, "Novel Method for Magnetic Flux Density Estimation in the Vicinity of Multi-Circuit Overhead Transmission Lines," in IEEE Access, vol. 10, pp. 18169-18181, 2022, DOI: <a href="https://doi.org/10.1109/ACCESS.2022.3149393">10.1109/ACCESS.2022.3149393</a> (<b>Revistă ISI</b>)</li> <li>8. A. Alihodzic, A. Mujezinovic and E. Turajlic, "Electric and Magnetic Field Estimation Under Overhead Transmission Lines Using Artificial Neural Networks," in IEEE Access, vol. 9, pp. 105876-105891, 2021, DOI: <a href="https://doi.org/10.1109/ACCESS.2021.3099760">10.1109/ACCESS.2021.3099760</a> (<b>Revistă ISI</b>)</li> <li>9. Dan Baaken, Daniel Wollschläger, Theodoros Samaras, Joachim Schüz, Isabelle Deltour, <i>EXPOSURE TO EXTREMELY LOW-FREQUENCY MAGNETIC FIELDS IN LOW- AND MIDDLE-INCOME COUNTRIES: AN OVERVIEW</i>, Radiation Protection Dosimetry, Volume 191, Issue 4, October 2020, Pages 487–500, <a href="https://doi.org/10.1093/rpd/ncaa172">https://doi.org/10.1093/rpd/ncaa172</a> (<b>Revistă ISI</b>)</li> <li>10. P. Syrek, C. Barz, M. Skowron and A. Ciesla, "Eddy Currents Distribution in Upper Extremities During Magnetotherapy," 2019 11th International Symposium on Advanced Topics in Electrical Engineering (ATEE), Bucharest, Romania, 2019, pp. 1-4, DOI: <a href="https://doi.org/10.1109/ATEE.2019.8724967">10.1109/ATEE.2019.8724967</a> (<b>ISI Proceedings</b>)</li> <li>11. B. D. Alistar, G. D. Costin, C. D. Neagu and D. F. Bordeianu, "Phasing Relevance on Magnetic Fields Generated by Overhead High Voltage Power Lines," <i>2019 International Conference on Electromechanical and Energy Systems (SIELMEN)</i>, Craiova, Romania, 2019, pp. 1-5, DOI: <a href="https://doi.org/10.1109/SIELMEN.2019.8905901">10.1109/SIELMEN.2019.8905901</a> (<b>ISI Proceedings</b>)</li> </ol>	<p>11 * 5/3 = 18,33</p>



			<p><b>E. Lunca, S. Ursache, A. Salceanu, <i>Characterization of the Electric and Magnetic Field Exposure from a 400 kV Overhead Power Transmission Line in Romania</i>, 22<sup>nd</sup> IMEKO TC4 Symposium and 20<sup>th</sup> International Workshop on ADC Modelling and Testing, Iasi, Romania, September 14-15, 2017, pp. 239-243.</b></p> <ol style="list-style-type: none"> <li>1. M. A. Arntzen, R. J. Cabral, M. O. Oliveira, M. E. Yasnikowski and A. P. Quintana, "Electromagnetic Field Analysis in 132kV Double-Circuit Transmission Lines with ACCC Conductors," 2024 IEEE Biennial Congress of Argentina (ARGENCON), San Nicolás de los Arroyos, Argentina, 2024, pp. 1-6, doi: 10.1109/ARGENCON62399.2024.10735850 (<i>ISI Proceedings</i>)</li> <li>2. A. M. Andrés, C. R. José, O. M. Orlando and M. M. Armando, "Simulation of Low Frequency Electromagnetic Fields in 132kV Overhead Transmission Lines Using 2D Finite Element Analysis," 2021 XIX Workshop on Information Processing and Control (RPIC), SAN JUAN, Argentina, 2021, pp. 1-6, DOI: 10.1109/RPIC53795.2021.9648438 (<i>ISI Proceedings</i>)</li> <li>3. B. D. Alistar, G. D. Costin, C. D. Neagu and D. F. Bordeianu, "Phasing Relevance on Magnetic Fields Generated by Overhead High Voltage Power Lines," 2019 International Conference on Electromechanical and Energy Systems (SIELMEN), Craiova, Romania, 2019, pp. 1-5, DOI: 10.1109/SIELMEN.2019.8905901 (<i>ISI Proceedings</i>)</li> </ol>	$3 * 5/3 = 5$
			<p><b>E. Lunca, S. Vornicu, A. Salceanu, O. Bejenaru, <i>2D Finite Element Model for computing the electric field strength-rms generated by overhead power lines</i>, Journal of Physics: Conference Series, Vol. 1065, pp. 1-4, 2018.</b></p> <ol style="list-style-type: none"> <li>1. Guri, Kjani, Gezim Hodolli, Sehad Kadiri, Arben Gjokaj, and Labinot Kastrati. 2025. "The Effect of Conductor Sag on EMF Exposure Assessment for 400 kV Double-Bundle" Applied Sciences 15, no. 17: 9789. <a href="https://doi.org/10.3390/app15179789">https://doi.org/10.3390/app15179789</a> (<i>Revistă ISI</i>)</li> <li>2. M. A. Arntzen, R. J. Cabral, M. O. Oliveira, M. E. Yasnikowski and A. P. Quintana, "Electromagnetic Field Analysis in 132kV Double-Circuit Transmission Lines with ACCC Conductors," 2024 IEEE Biennial Congress of Argentina (ARGENCON), San Nicolás de los Arroyos, Argentina, 2024, pp. 1-6, doi: 10.1109/ARGENCON62399.2024.10735850 (<i>ISI Proceedings</i>)</li> <li>3. R. Suchantke and P. Remmele, "Numerical Study on Harmonic Amplitude Estimation of a Power System Asset through its Electromagnetic Fields," 2024 IEEE International Conference on High Voltage Engineering and Applications (ICHVE), Berlin, Germany, 2024, pp. 1-5, DOI: 10.1109/ICHVE61955.2024.10676115 (<i>Indexare ISI Proceedings</i>)</li> <li>4. A. M. Andrés, C. R. José, O. M. Orlando and M. M. Armando, "Simulation of Low Frequency Electromagnetic Fields in 132kV Overhead Transmission Lines Using 2D Finite Element Analysis," 2021 XIX Workshop on Information Processing and Control (RPIC), SAN JUAN, Argentina, 2021, pp. 1-6, DOI: 10.1109/RPIC53795.2021.9648438 (<i>ISI Proceedings</i>)</li> <li>5. B. D. Alistar, G. D. Costin, C. D. Neagu and D. F. Bordeianu, "Phasing Relevance on Magnetic Fields Generated by Overhead High Voltage Power Lines," 2019 International Conference on Electromechanical and Energy Systems (SIELMEN), Craiova, Romania, 2019, pp. 1-5, DOI: 10.1109/SIELMEN.2019.8905901 (<i>ISI Proceedings</i>)</li> </ol>	$5 * 5/4 = 6,25$
			<p><b>A. Salceanu, E. Lunca, M. Paulet, <i>Affordable evaluation of low frequency electric fields from the standpoint of Directive 2013/35/EU</i>, ACTA IMEKO, Vol. 4, No. 6, pp. 37-45, 2017.</b></p> <p><b>CITATĂ de:</b></p> <ol style="list-style-type: none"> <li>1. B. D. Alistar, G. D. Costin, C. D. Neagu and D. F. Bordeianu, "Phasing Relevance on Magnetic Fields Generated by Overhead High Voltage Power Lines," 2019 International Conference on Electromechanical and Energy Systems (SIELMEN), Craiova, Romania, 2019, pp. 1-5, DOI: 10.1109/SIELMEN.2019.8905901 (<i>ISI Proceedings</i>)</li> </ol>	$5/3 = 1,66$

			<p>A. Salceanu, M. Paulet, <b>E. Lunca</b>, <i>Upon the Effect of Transposed Phasing on the Magnetic Field Produced by Overhead Power Lines</i>, 10<sup>th</sup> International Conference and Exposition on Electrical and Power Engineering – EPE 2018, Iasi, Romania, October 18-19, 2018, pp. 755-758.</p> <ol style="list-style-type: none"> <li>1. V. Marusauskas, S. Gudzius, A. Jonaitis, J. Vaicys, T. Merfeldas and A. Morkvenas, "Modelling Corona Discharge Characteristic in Electricity Transmission Lines for Fault Detection System," <i>2020 24th International Conference Electronics</i>, Palanga, Lithuania, 2020, pp. 1-6, DOI: <a href="https://doi.org/10.1109/IEEECONF49502.2020.9141607">10.1109/IEEECONF49502.2020.9141607</a> (<b>ISI Proceedings</b>)</li> <li>2. B. D. Alistar, G. D. Costin, C. D. Neagu and D. F. Bordeianu, "Phasing Relevance on Magnetic Fields Generated by Overhead High Voltage Power Lines," <i>2019 International Conference on Electromechanical and Energy Systems (SIELMEN)</i>, Craiova, Romania, 2019, pp. 1-5, DOI: <a href="https://doi.org/10.1109/SIELMEN.2019.8905901">10.1109/SIELMEN.2019.8905901</a> (<b>ISI Proceedings</b>)</li> </ol>	$2 * 5/3 = 3,33$
			<p>S. Vornicu, <b>E. Lunca</b>, B.C. Neagu, F.C. Baiceanu, <i>Assessment of Extremely Low-Frequency Magnetic Field from Multiple High-Voltage Overhead Power Lines in Parallel Configuration</i>, 12<sup>th</sup> International Conference and Exposition on Electrical And Power Engineering (EPE 2022), Iasi, Romania, Oct. 20-22, 2022, pp. 723-726.</p> <p><b>CITATĂ de:</b></p> <ol style="list-style-type: none"> <li>1. Alihodžić, Ajdin, Adnan Mujezinović, and Emir Turajlić. "Artificial neural network-based method for overhead lines magnetic flux density estimation." <i>Journal of Electrical Engineering</i> 75, no. 3 (2024): 181-191. <a href="https://sciendo.com/article/10.2478/jee-2024-0022">https://sciendo.com/article/10.2478/jee-2024-0022</a> (<b>Revistă ISI</b>)</li> </ol>	$5/4 = 1,25$
			<p>S. Vornicu, <b>E. Lunca</b>, A. Salceanu, <i>ANSYS Maxwell Finite Element Model for 2D Computation of the Magnetic Field Generated by Overhead High-Voltage Power Lines</i>, 2019 International Conference on Electromechanical and Energy Systems (SIELMEN 2019), Craiova, Romania, October 9-11, 2019, pp. 1-4.</p> <p><b>CITATĂ de:</b></p> <ol style="list-style-type: none"> <li>1. Matiullah Ahsan, Md Nor Ramdon Baharom, Ihsan Ullah Khalil, Zainab Zaniat, <i>Simulation-based analysis of electric field characteristics under high-voltage double-circuit and quadrupole overhead transmission lines</i>, <i>Journal of Electrostatics</i>, Volume 135, 2025, 104080, <a href="https://doi.org/10.1016/j.elstat.2025.104080">https://doi.org/10.1016/j.elstat.2025.104080</a> (<b>Revistă ISI</b>)</li> <li>2. K. -L. Chen, K. -C. Liu and C. -P. Chao, "UAV-Based Environmental Magnetic Field Measurement Method Using a TMR Sensor," in <i>IEEE Sensors Journal</i>, vol. 24, no. 10, pp. 16972-16983, 15 May15, 2024, DOI: <a href="https://doi.org/10.1109/JSEN.2024.3383371">10.1109/JSEN.2024.3383371</a> (<b>Revistă ISI</b>)</li> <li>3. M. S. Alvarez-Alvarado, C. A. Apolo-Tinoco and W. Velasquez, "Corona Discharge Impact Suppression in Ultra High Voltage Using a Novel Mechanism With Dielectric Oil," in <i>IEEE Access</i>, vol. 10, pp. 62548-62555, 2022, doi: <a href="https://doi.org/10.1109/ACCESS.2022.3182340">10.1109/ACCESS.2022.3182340</a>, DOI: <a href="https://doi.org/10.1109/ACCESS.2022.3182340">10.1109/ACCESS.2022.3182340</a> (<b>Revistă ISI</b>)</li> </ol>	$3 * 5/3 = 5$
			<p>S. Vornicu, <b>E. Lunca</b>, A. Salceanu, <i>Computation of the Low Frequency Magnetic Fields Generated by a 12/20 kV Underground Power Line</i>, 10<sup>th</sup> International Conference and Exposition on Electrical and Power Engineering – EPE 2018, Iasi, Romania, October 18-19, 2018, pp. 630-633.</p> <p><b>CITATĂ de:</b></p> <ol style="list-style-type: none"> <li>1. M. A. Arntzen, R. J. Cabral, M. O. Oliveira, M. E. Yasnikowski and A. P. Quintana, "Electromagnetic Field Analysis in 132kV Double-Circuit Transmission Lines with ACCC Conductors," <i>2024 IEEE Biennial Congress of Argentina (ARGENCON)</i>, San Nicolás de los Arroyos, Argentina, 2024, pp. 1-6, doi: <a href="https://doi.org/10.1109/ARGENCON62399.2024.10735850">10.1109/ARGENCON62399.2024.10735850</a> (<b>ISI Proceedings</b>)</li> <li>2. A. M. Andrés, C. R. José, O. M. Orlando and M. M. Armando, "Simulation of Low Frequency Electromagnetic Fields in 132kV Overhead Transmission Lines Using 2D Finite Element Analysis," <i>2021 XIX Workshop on Information Processing and Control (RPIC)</i>, SAN JUAN,</li> </ol>	$3 * 5/3 = 5$

			<p>Argentina, 2021, pp. 1-6, DOI: <a href="https://doi.org/10.1109/RPIC53795.2021.9648438">10.1109/RPIC53795.2021.9648438</a> (<i>ISI Proceedings</i>)</p> <p>3. B. D. Alistar, G. D. Costin, C. D. Neagu and D. F. Bordeianu, "Phasing Relevance on Magnetic Fields Generated by Overhead High Voltage Power Lines," <i>2019 International Conference on Electromechanical and Energy Systems (SIELMEN)</i>, Craiova, Romania, 2019, pp. 1-5, DOI: <a href="https://doi.org/10.1109/SIELMEN.2019.8905901">10.1109/SIELMEN.2019.8905901</a> (<i>ISI Proceedings</i>)</p>	
			<p><b>E. Lunca</b>, S. Ursache, Oana Neacsu, <i>Graphical Programming Tools for Electrical Engineering Higher Education</i>, International Journal of Online Engineering (iJOE), Vol. 7, No. 1, pp. 19-24, 2011.</p> <p><b>CITATĂ de:</b></p> <ol style="list-style-type: none"> <li>1. Maja Lutovac-Banduka, Danijela Milosevic, Yigang Cen, Asutosh Kar, and Vladimir Mladenovic, <i>Graphical User Interface for Design, Analysis, Validation, and Reporting of Continuous-Time Systems Using Wolfram Language</i>, Journal of Circuits, Systems and Computers, Vol. 32, No. 14, 2350244 (2023), <a href="https://doi.org/10.1142/S0218126623502444">https://doi.org/10.1142/S0218126623502444</a> (<i>Revistă ISI</i>)</li> <li>2. Ugurlu, Y., Hasegawa, D., &amp; Sakuta, H. (2014, April). Student interactions with e-learning systems: User and topic analysis. In <i>Global Engineering Education Conference (EDUCON)</i>, 2014 IEEE (pp. 45-49), <a href="http://ieeexplore.ieee.org/xpl/login.jsp?tp=&amp;arnumber=6826066&amp;url=http%3A%2F%2Fieeexplore.ieee.org%2Fxppls%2Fabs_all.jsp%3Farnumber%3D6826066">http://ieeexplore.ieee.org/xpl/login.jsp?tp=&amp;arnumber=6826066&amp;url=http%3A%2F%2Fieeexplore.ieee.org%2Fxppls%2Fabs_all.jsp%3Farnumber%3D6826066</a> (<i>ISI Proceedings</i>)</li> </ol>	$2 * 5/3 = 3,33$
			<p><b>Eduard Luncă</b>, Bogdan-Constantin Neagu, Silviu Vornicu, <i>Finite Element Analysis of Electromagnetic Fields Emitted by Overhead High-Voltage Power Lines</i>, în <i>Numerical Methods for Energy Applications</i>, Springer, Cham, 2021, pp. 795-821.</p> <p><b>CITATĂ de:</b></p> <ol style="list-style-type: none"> <li>1. Li C, Jiang Z, Guo Y, Yu Y, Lu H, Wu X, Xie Z, Zheng Z, Zhang W, Wang Q. IronPython-Based Automated Computational Platform for 3-D Finite Element Modeling and Electric/Magnetic Field Analysis of Overhead Transmission Lines. <i>Energies</i>. 2026; 19(6):1565. <a href="https://doi.org/10.3390/en19061565">https://doi.org/10.3390/en19061565</a> (<i>Revistă ISI</i>)</li> <li>2. Bubu, P.E., Eze, V.H.U., Adie, A.E. et al. <i>Simulation and analysis of magnetic fields around High-Voltage power lines using Python for enhanced safety and design insights</i>. <i>Scientific Reports</i> 15, 33975 (2025). <a href="https://doi.org/10.1038/s41598-025-11464-2">https://doi.org/10.1038/s41598-025-11464-2</a> (<i>Revistă ISI</i>)</li> <li>3. T. Micallef, X. Gu and K. Wu, "Electric Field Energy Harvesting From High-Voltage Power Lines for Consumer Batteryless Wireless Sensor Networks," in <i>IEEE Transactions on Consumer Electronics</i>, vol. 71, no. 1, pp. 2322-2331, Feb. 2025, <a href="https://ieeexplore.ieee.org/document/10758774">https://ieeexplore.ieee.org/document/10758774</a> (<i>Revistă ISI</i>)</li> <li>4. Matiullah Ahsan, Md Nor Ramdon Baharom, Ihsan Ullah Khalil, Zainab Zainal, <i>Simulation-based analysis of electric field characteristics under high-voltage double-circuit and quadrupole overhead transmission lines</i>, <i>Journal of Electrostatics</i>, Volume 135, 2025, 104080, <a href="https://doi.org/10.1016/j.elstat.2025.104080">https://doi.org/10.1016/j.elstat.2025.104080</a> (<i>Revistă ISI</i>)</li> <li>5. A. Alihodžić, A. Mujezinović, E. Turajlić, M. M. Dedović and N. Dautbašić, "A Stochastic Modeling and Artificial Neural Network-Based Method for Electric and Magnetic Field Reduction Near Overhead Transmission Lines," 2025 24th International Symposium INFOTEH-JAHORINA (INFOTEH), East Sarajevo, Bosnia and Herzegovina, 2025, pp. 1-5, <a href="https://ieeexplore.ieee.org/document/10959217">https://ieeexplore.ieee.org/document/10959217</a> (<i>ISI Proceedings</i>)</li> <li>6. Boukabou I, Kaabouch N. <i>Electric and Magnetic Fields Analysis of the Safety Distance for UAV Inspection around Extra-High Voltage Transmission Lines</i>. <i>Drones</i>. 2024; 8(2):47. <a href="https://doi.org/10.3390/drones8020047">https://doi.org/10.3390/drones8020047</a> (<i>Revistă ISI</i>)</li> </ol>	$6 * 5/3 = 10$
			<p>I. Pavel, C. Petrescu, V. David, <b>E. Lunca</b>, <i>Estimation of the Spatial and Temporal Distribution of Magnetic Fields around Overhead Power Lines—A Case Study</i>, <i>Mathematics</i>, Vol. 11, No. 10:2292, pp. 1-15, 2023.</p> <p><b>CITATĂ de:</b></p>	$2 * 5/4 = 2,5$

		3.2 Citări în revistele BDI și volumele conferințelor BDI	<ol style="list-style-type: none"> <li>1. Bubu, P.E., Eze, V.H.U., Adie, A.E. et al. <i>Simulation and analysis of magnetic fields around High-Voltage power lines using Python for enhanced safety and design insights</i>. Scientific Reports 15, 33975 (2025). <a href="https://doi.org/10.1038/s41598-025-11464-2">https://doi.org/10.1038/s41598-025-11464-2</a> (<b>Revistă ISI</b>)</li> <li>2. Alihodžić, Ajdin, Adnan Mujezinović, and Emir Turajlić. "Artificial neural network-based method for overhead lines magnetic flux density estimation." Journal of Electrical Engineering 75, no. 3 (2024): 181-191. <a href="https://sciendo.com/article/10.2478/jee-2024-0022">https://sciendo.com/article/10.2478/jee-2024-0022</a> (<b>Revistă ISI</b>)</li> </ol>	
			<p><b>E. Lunca</b>, S. Vornicu, A. Salceanu, <i>Numerical and Analytical Analysis of the Low-Frequency Magnetic Fields Generated by Three-Phase Underground Power Cables with Solid Bonding</i>, Applied Sciences, Vol. 13, No. 10:6328, pp. 1-18, 2023.</p> <p><b>CITATĂ de:</b></p> <ol style="list-style-type: none"> <li>1. M. Šučurović, D. Klimenta, N. Hinov, D. Tasić, M. Banjanin and D. Andriukaitis, "FEM-Based Quantification of Eddy-Current Losses for MV Cables in Trefoil Formation With Non-Magnetic Screens," in IEEE Access, vol. 14, pp. 47241-47258, 2026, <a href="https://ieeexplore.ieee.org/abstract/document/11456514">https://ieeexplore.ieee.org/abstract/document/11456514</a> (<b>Revistă ISI</b>)</li> <li>2. Güler, S. (2026). <i>Electric Vehicle Electromagnetic Compatibility Testing and Electromagnetic Emission Mitigations</i>. Tehnički vjesnik, 33(1), 315-323. <a href="https://doi.org/10.17559/TV-20241022002085">https://doi.org/10.17559/TV-20241022002085</a> (<b>Revistă ISI</b>)</li> </ol>	2 * 5/3 = 3,33
			<p>V. David, I. Pavel, <b>E. Lunca</b>, <i>A Method for Estimating the Magnetic Fields Generated by the Overhead Power Lines</i>, 11<sup>th</sup> International Conference and Exposition on Electrical and Power Engineering – EPE 2020, Iasi, Romania, October 22-23, 2020, pp. 1-6.</p> <p><b>CITATĂ de:</b></p> <ol style="list-style-type: none"> <li>1. Bubu, P.E., Eze, V.H.U., Adie, A.E. et al. <i>Simulation and analysis of magnetic fields around High-Voltage power lines using Python for enhanced safety and design insights</i>. Scientific Reports 15, 33975 (2025). <a href="https://doi.org/10.1038/s41598-025-11464-2">https://doi.org/10.1038/s41598-025-11464-2</a> (<b>Revistă ISI</b>)</li> </ol>	5/3 = 1,66
			<p>S. Ursache, <b>E. Lunca</b>, S. Vornicu, <i>DC Digital Gaussmeter Based on Linear Hall-Effect Sensor IC</i>, 2019 International Conference on Electromechanical and Energy Systems (SIELMEN 2019), Craiova, Romania, October 9-11, 2019, pp. 1-4.</p> <p><b>CITATĂ de:</b></p> <ol style="list-style-type: none"> <li>1. Rathebe, Phoka C., and Mota Kholopo. 2025. "Instruments and Measurement Techniques to Assess Extremely Low-Frequency Electromagnetic Fields" Sensors 25, no. 15: 4866. <a href="https://doi.org/10.3390/s25154866">https://doi.org/10.3390/s25154866</a> (<b>Revistă ISI</b>)</li> </ol>	5/3 = 1,66
			<p><b>E. Lunca</b>, A. Salceanu, S. Hanganu, C. Donciu, <i>Virtual Instrument Aiming to Extend the Capabilities of the Spectrum Analyzers</i>, 13<sup>th</sup> IMEKO TC4 International Symposium on Measurements for Research and Industry Applications, Atena, Grecia, Sept. 29 - Oct. 01, 2004, Vol. II, pp. 683-686.</p> <p><b>CITATĂ de:</b></p> <ol style="list-style-type: none"> <li>1. Haasz, V., &amp; Platil, A. (2005, September). Virtual instrument-no virtual reality but real PC based measuring system. In <i>Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications, IDAACS 2005</i> (pp. 261-266), <a href="http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&amp;arnumber=4062133&amp;url=http%3A%2F%2Fieeexplore.ieee.org%2Fxppls%2Fabs_all.jsp%3Farnumber%3D4062133">http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&amp;arnumber=4062133&amp;url=http%3A%2F%2Fieeexplore.ieee.org%2Fxppls%2Fabs_all.jsp%3Farnumber%3D4062133</a> (<b>ISI Proceedings</b>)</li> </ol>	5/4 = 1,25
			3.2.2. Profesor: minimum 20 citări	3 / nr. autori ai art. citat
			<p><b>E. Lunca</b>, S. Ursache, Oana Neacsu, <i>Graphical Programming Tools for Electrical Engineering Higher Education</i>, International Journal of Online Engineering (iJOE), Vol. 7, No. 1, pp. 19-24, 2011.</p> <p><b>CITATĂ de:</b></p> <ol style="list-style-type: none"> <li>1. Chalermdit, J., Nilsook, P. and Wannapiroon, P., 2019. Analysis of an Intelligent Graphical</li> </ol>	5 * 3/3 = 5

			<p>Tutoring System Using the Internet of Things (IoT) to Develop the Competency of Embedded Systems. <i>International Journal of Online &amp; Biomedical Engineering</i>, 15(4), <a href="https://online-journals.org/index.php/i-joe/article/view/9511">https://online-journals.org/index.php/i-joe/article/view/9511</a> (<b>Indexare ESCI, INSPEC, SCOPUS, EBSCO etc.</b>)</p> <p>2. Said, F., Abdelhalim, B., Guillaume, N., &amp; Denis, B. (2012). Design of a flexible hardware interface for multiple remote electronic practical experiments of virtual Laboratory. <i>International Journal of Online Engineering (iJOE)</i>, 8(S2), pp-7, <a href="http://journals.sfu.ca/onlinejour/index.php/i-joe/article/view/2004">http://journals.sfu.ca/onlinejour/index.php/i-joe/article/view/2004</a> (<b>Indexare INSPEC, SCOPUS, DBLP, DOAJ, Ulrich, EBSCO etc.</b>)</p> <p>3. Gupta, T., Madhuri, A. S., Prachi, P., Akhtar, M. J., &amp; Srivastava, K. V. (2012). Development of the virtual lab module for understanding the concepts of electric and magnetic field patterns in rectangular waveguides and cavities. <i>International Journal of Online Engineering (iJOE)</i>, 8(3), pp-12, <a href="http://online-journals.org/index.php/i-joe/article/view/2113">http://online-journals.org/index.php/i-joe/article/view/2113</a> (<b>Indexare INSPEC, SCOPUS, DBLP, DOAJ, Ulrich, EBSCO etc.</b>)</p> <p>4. Nehra, V., &amp; Tyagi, A. (2014). Free Open Source Software in Electronics Engineering Education: A Survey. <i>Int. J. of Modern Education and Computer Science</i>, 6(5), 15-25, <a href="http://www.mecspress.net/ijmecs/ijmecs-v6-n5/IJMECS-V6-N5-3.pdf">http://www.mecspress.net/ijmecs/ijmecs-v6-n5/IJMECS-V6-N5-3.pdf</a> (<b>Indexare DOAJ, Index Copernicus, INSPEC, EBSCO, ULRICH's Periodicals Directory, ProQuest etc.</b>)</p> <p>5. Mehar, H., &amp; Sahasrabudhe, D. (2012). Software Application In Under Graduate Electrical Engineering Education. <i>International Journal of Engineering Research &amp; Technology</i>, 1(10), pp-3, <a href="http://www.ijert.org/view-pdf/2007/software-application-in-under-graduate-electrical-engineering-education">http://www.ijert.org/view-pdf/2007/software-application-in-under-graduate-electrical-engineering-education</a> (<b>Indexare PubMed, ScienceOpen etc.</b>)</p>	
			<p>C. Damian, <b>E. Lunca</b>, <i>A Low Area FIR Filter for FPGA Implementation</i>, 34<sup>th</sup> International Conference on Telecommunications and Signal Processing – TSP 2011, Budapest, Ungaria, Aug. 18-20, 2011, pp. 521-524.</p> <p><b>CITATĂ de:</b></p> <p>1. Silva, Lincoln Alexandre Paz, and Francisco de Assis Brito-Filho. "An FPGA-Based Reconfigurable FIR Filter for SDR Applications." <i>International Journal of Interdisciplinary Telecommunications and Networking (IJITN)</i>, vol. 14, no. 1 2022: pp.1-8. <a href="https://doi.org/10.4018/IJITN.326455">https://doi.org/10.4018/IJITN.326455</a> (<b>Indexare ESCI, INSPEC, Ei Compindex</b>)</p> <p>2. Dhobi, J. K., Shukla, Y. B., &amp; Bhatt, K. R. (2014). FPGA Implementation of FIR Filter using Various Algorithms: A Retrospective. <i>International Journal of Research in Computer Science</i>, 4(2), 19-24, <a href="http://www.ijorcs.org/manuscript/id/81/jinalkumari-k-dhobi-dr-y-b-shukla-dr-krbhatt/fpga-implementation-of-fir-filter-using-various-algorithms-a-retrospective">http://www.ijorcs.org/manuscript/id/81/jinalkumari-k-dhobi-dr-y-b-shukla-dr-krbhatt/fpga-implementation-of-fir-filter-using-various-algorithms-a-retrospective</a> (<b>Indexare ProQuest, DOAJ, Index Copernicus, ULRICH etc.</b>)</p> <p>3. V. Dhillon, S. Nair, A. Pabarekar, M. Kumbhare, K. Thakur and R. Krishnan, "Implementation of FIR Digital Filter on FPGA," <i>2021 4th Biennial International Conference on Nascent Technologies in Engineering (ICNTE)</i>, NaviMumbai, India, 2021, pp. 1-5, doi: 10.1109/ICNTE51185.2021.9487744 (<b>Indexare IEEE Xplore</b>)</p>	3 * 3/2 = 4,5
			<p><b>E. Lunca</b>, A. Salceanu, <i>An Overview of RF-EMF Monitoring Systems and Associated Monitoring Data</i>, 9<sup>th</sup> International Conference and Exposition on Electrical and Power Engineering – EPE 2016, Iasi, Romania, Oct. 20-22, 2016, pp. 418-42.</p> <p><b>CITATĂ de:</b></p> <p>1. N. Djuric, D. Kljajic, N. Pasquino, N. Solmonte and S. Djuric, "Time Variability Analysis of RF-EMF Data from Continuous Monitoring Systems," 2024 5th International Conference on Emerging Trends in Electrical, Electronic and Communications Engineering (ELECOM), Balaclava, Mauritius, 2024, pp. 1-6, <a href="https://ieeexplore.ieee.org/abstract/document/10892174">https://ieeexplore.ieee.org/abstract/document/10892174</a> (<b>Indexare IEEE Xplore</b>)</p> <p>2. D. B. Deaconescu, T. Petrita and S. Miclaus, "Radiofrequency Emission Monitoring by ANCOM</p>	9 * 3/2 = 13,5

			<p>Fixed Stations in Eight Cities in Romania during One Whole Year," 2024 Advanced Topics on Measurement and Simulation (ATOMS), Constanta, Romania, 2024, pp. 7-10, <a href="https://ieeexplore.ieee.org/abstract/document/10921579">https://ieeexplore.ieee.org/abstract/document/10921579</a> (<b><i>Indexare IEEE Xplore</i></b>)</p> <p>3. Miclăuș, Simona, and Teodor Petrița. "Electromagnetic Field Monitoring by Fixed Stations in Romania: Data Processing Methods and Outcomes." In International conference KNOWLEDGE-BASED ORGANIZATION, vol. 30, no. 3, pp. 1-6. 2024. DOI: <a href="https://doi.org/10.2478/kbo-2024-0089">https://doi.org/10.2478/kbo-2024-0089</a> (<b><i>Indexare EBSCO, Ulrich's etc.</i></b>)</p> <p>4. N. Jakovljević, N. M. Djuric, D. Kljajic, T. Skoric and S. M. Djuric, "An Approach of the Electric Field Strength Prediction Using Time Series Analysis," 2023 Photonics &amp; Electromagnetics Research Symposium (PIERS), Prague, Czech Republic, 2023, pp. 1862-1871, doi: 10.1109/PIERS59004.2023.10221560, <a href="https://ieeexplore.ieee.org/document/10221560">https://ieeexplore.ieee.org/document/10221560</a> (<b><i>Indexare IEEE Xplore</i></b>)</p> <p>5. N. Djuric, T. Skoric, D. Kljajic, V. Otasevic and S. Djuric, "A Hidden Knowledge in Long-Term EMF Monitoring of EMF RATEL Monitoring Network," 2023 Photonics &amp; Electromagnetics Research Symposium (PIERS), Prague, Czech Republic, 2023, pp. 1856-1861, doi: 10.1109/PIERS59004.2023.10221410, <a href="https://ieeexplore.ieee.org/document/10221410">https://ieeexplore.ieee.org/document/10221410</a> (<b><i>Indexare IEEE Xplore</i></b>)</p> <p>6. N. Djuric, D. Kljajic, V. Otasevic, S. Djuric and L. Yin, "The EMF Exposure Observation by Serbian EMF RATEL System in a Zone of Increased Sensitivity," 2022 4th International Conference on Emerging Trends in Electrical, Electronic and Communications Engineering (ELECOM), Mauritius, 2022, pp. 1-6, doi: <a href="https://doi.org/10.1109/ELECOM54934.2022.9965248">10.1109/ELECOM54934.2022.9965248</a> (<b><i>Indexare IEEE Xplore</i></b>)</p> <p>7. Djuric, N., Kavecan, N., Radosavljevic, N., Djuric, S. (2020). Service-Based EMF Monitoring in EMF RATEL System. In: Galinina, O., Andreev, S., Balandin, S., Koucheryavy, Y. (eds) Internet of Things, Smart Spaces, and Next Generation Networks and Systems. NEW2AN ruSMART 2020 2020. Lecture Notes in Computer Science(), vol 12526. Springer, Cham. <a href="https://doi.org/10.1007/978-3-030-65729-1_38">https://doi.org/10.1007/978-3-030-65729-1_38</a> (<b><i>Indexare Springerlink</i></b>)</p> <p>8. N. Djuric, N. Kavecan, D. Kljajic, G. Mijatovic and S. Djuric, "Data Acquisition in Narda's Wireless Stations based EMF RATEL Monitoring Network," 2019 International Conference on Sensing and Instrumentation in IoT Era (ISSI), Lisbon, Portugal, 2019, pp. 1-6, doi: <a href="https://doi.org/10.1109/ISSI47111.2019.9043671">10.1109/ISSI47111.2019.9043671</a> (<b><i>Indexare IEEE Xplore</i></b>)</p> <p>9. Kljajic D., Djuric N., Kavecan N. (2019) <i>Software Realization of the Exposure Assessment in EMF RATEL Monitoring System</i>. In: Fleming P., Lacquet B., Sanei S., Deb K., Jakobsson A. (eds) Smart and Sustainable Engineering for Next Generation Applications. ELECOM 2018. Lecture Notes in Electrical Engineering, vol 561. Springer, Cham, <a href="https://link.springer.com/chapter/10.1007/978-3-030-18240-3_13">https://link.springer.com/chapter/10.1007/978-3-030-18240-3_13</a> (<b><i>Indexare Springerlink</i></b>)</p>	
			<p>E. Lunca, S. Ursache, A. Vasniuc, <i>Temperature monitoring system based on multiple TMP75 digital sensors and the PC's parallel port</i>, 9<sup>th</sup> International Symposium on Advanced Topics in Electrical Engineering – ATEE 2015, Bucharest, Romania, May 7-9, 2015, pp. 15-18.</p> <p><b>CITATĂ de:</b></p> <p>1. Mallidu, J., Hulageri, J., Jadhav, R., Mulla, M.N., Bewoor, S. (2024). <i>Implementation of a Temperature Monitoring System Utilizing Cortex-M3 with I2C-Based Sensor Integration</i>. In: Ranganathan, G., Papakostas, G.A., Shi, Y. (eds) Inventive Communication and Computational Technologies. ICICCT 2024. Lecture Notes in Networks and Systems, vol 23. Springer, Singapore. <a href="https://doi.org/10.1007/978-981-97-7710-5_16">https://doi.org/10.1007/978-981-97-7710-5_16</a> (<b><i>Indexare Springer</i></b>)</p> <p>2. M. Branzila and D. Codreanu, "IoT System For Environmental Monitoring And Improving Thermal Comfort And Air Quality," 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEI), Iasi, Romania, 2024, pp. 37-40,</p>	<p>4 * 3/3 = 4</p>

				<p><a href="https://ieeexplore.ieee.org/abstract/document/10758184">https://ieeexplore.ieee.org/abstract/document/10758184</a> (<b><i>Indexare IEEE Xplore</i></b>)</p> <p>3. M. Kumaresan, G. Shukla and M. Konar, "VM Lab Evaluation: IoT in Remote Measurements," 2023 International Conference on Power Energy, Environment &amp; Intelligent Control (PEEIC), Greater Noida, India, 2023, pp. 787-790, doi: 10.1109/PEEIC59336.2023.10451506, <a href="https://ieeexplore.ieee.org/document/10451506">https://ieeexplore.ieee.org/document/10451506</a> (<b><i>Indexare IEEE Xplore</i></b>)</p> <p>4. Visconti, P., Primiceri, P., de Fazio, R. et al., Development and Characterization of a white Led-Based Spectrophotometer for UV/VIS Gaseous Pollutants Detection Employing Michelson Interferometer and an Optical Filtering System, <i>Instrum Exp Tech</i> (2018) 61: 283. <a href="https://doi.org/10.1134/S0020441218020252">https://doi.org/10.1134/S0020441218020252</a> (<b><i>Indexare Scopus</i></b>)</p>	
5				<p><b>E. Lunca, C. Damian, A. Salceanu, EMF Exposure Measurements on 4G/LTE Mobile Communication Networks</b>, 8<sup>th</sup> International Conference and Exposition on Electrical and Power Engineering – EPE 2014, Iasi, Romania, Oct. 16-18, 2014, pp. 545-548.</p> <p><b>CITATĂ de:</b></p> <ol style="list-style-type: none"> <li>1. Fellan, A., Hobelsberger, C., Schellenberger, C., Lindenschmitt, D. and Schotten, H.D., 2022, October. Electromagnetic field strength measurements in a private 5G campus network. In <i>Proceedings of the 18th ACM International Symposium on QoS and Security for Wireless and Mobile Networks</i> (pp. 11-17), <a href="https://doi.org/10.1145/3551661.3561361">https://doi.org/10.1145/3551661.3561361</a> (<b><i>Indexare DBLP</i></b>)</li> <li>2. A. Orłowski, R. Pawlak, A. Kalinowski and A. Wójcik, "Assessment of human exposure to cellular networks electromagnetic fields," 2018 Baltic URSI Symposium (URSI), Poznan, 2018, pp. 257-260, doi: 10.23919/URSI.2018.8406750 (<b><i>Indexare IEEE Xplore</i></b>)</li> <li>3. Pinheiro, F. S. R., da Silva, G. S., de Sousa, T. P., Sanchis, M. A. B., &amp; da Cunha, A. D. A. C. (2015). Assessment of non-ionizing radiation from radio frequency energy emitters in the urban area of Natal City, Brazil. <i>Scientific Research and Essays</i>, 10(2), 79-85, <a href="http://www.academicjournals.org/journal/SRE/article-full-text/769F19C49799">http://www.academicjournals.org/journal/SRE/article-full-text/769F19C49799</a> (<b><i>Indexare CAB Abstracts, Chemical Abstracts, DOAJ, Environmental Engineering Abstracts, Scientific Information Database etc.</i></b>)</li> </ol>	$3 * \frac{3}{3} = 3$
				<p><b>E. Lunca, C. Damian, D. Petrisor, O. Postolache, Programmable Active Filters Based on Digital Potentiometers</b>, 7<sup>th</sup> International Conference and Exposition on Electrical and Power Engineering – EPE 2012, Iasi, Romania, Oct. 25-27, 2012, pp. 787-791</p> <p><b>CITATĂ de:</b></p> <ol style="list-style-type: none"> <li>1. D. Y. Denisenko, N. N. Prokopenko, Y. I. Ivanov and V. Chumakov, "Active RC and RLC Rejection Filters of the Sallen-Key Class Based on Voltage Followers," <i>2022 Moscow Workshop on Electronic and Networking Technologies (MWENT)</i>, Moscow, Russian Federation, 2022, pp. 1-4, doi: <a href="https://doi.org/10.1109/MWENT55238.2022.9802210">10.1109/MWENT55238.2022.9802210</a> (<b><i>Indexare IEEE Xplore</i></b>)</li> <li>2. D. Denisenko, N. Prokopenko, A. Bugakova and V. Chumakov, "Sallen-Key Family Passband Filter with Independent Control of the Basic Parameters," <i>2022 International Conference on Electrical Engineering and Photonics (EExPolytech)</i>, St. Petersburg, Russian Federation, 2022, pp. 5-8, doi: <a href="https://doi.org/10.1109/EExPolytech56308.2022.9950898">10.1109/EExPolytech56308.2022.9950898</a> (<b><i>Indexare IEEE Xplore</i></b>)</li> <li>3. D. Denisenko, N. Prokopenko, N. Butyrlagin and Y. Ivanov, "Novel Bandpass RLC-Filter," <i>2022 30th Telecommunications Forum (TELFOR)</i>, Belgrade, Serbia, 2022, pp. 1-4, doi: <a href="https://doi.org/10.1109/TELFOR56187.2022.9983721">10.1109/TELFOR56187.2022.9983721</a> (<b><i>Indexare IEEE Xplore</i></b>)</li> <li>4. D. Y. Denisenko, N. N. Prokopenko and N. V. Butyrlagin, "Sallen-Key Dual Channel Low-Pass Filter with Tunable Cutoff Frequency," <i>2022 IEEE International Multi-Conference on Engineering, Computer and Information Sciences (SIBIRCON)</i>, Yekaterinburg, Russian Federation, 2022, pp. 1280-1283, doi: <a href="https://doi.org/10.1109/SIBIRCON56155.2022.10016952">10.1109/SIBIRCON56155.2022.10016952</a> (<b><i>Indexare IEEE Xplore</i></b>)</li> <li>5. D. Y. Denisenko, N. N. Prokopenko and N. V. Butyrlagin, "Active Fourth-Order Band-Pass RC-</li> </ol>	$5 * \frac{3}{4} = 3,75$

			filter with Independent Control of Bandwidth and Irregularity of Frequency Response," 2021 <i>International Seminar on Electron Devices Design and Production (SED)</i> , Prague, Czech Republic, 2021, pp. 1-4, doi: <a href="https://doi.org/10.1109/SED51197.2021.9444490">10.1109/SED51197.2021.9444490</a> ( <b>Indexare IEEE Xplore</b> )	
			<p><b>E. Lunca</b>, V. David, A. Salceanu, I. Cretescu, <i>Assessing the Human Exposure due to Wireless Local Area Networks in Office Environments</i>, Environmental Engineering and Management Journal, Vol. 11, No. 2, pp. 385-391, 2012.</p> <p><b>CITATĂ de:</b></p> <ol style="list-style-type: none"> <li>1. M. Branzila and D. Codreanu, "IoT System For Environmental Monitoring And Improving Thermal Comfort And Air Quality," 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEI), Iasi, Romania, 2024, pp. 37-40, doi: <a href="https://doi.org/10.1109/EPEI63510.2024.10758184">10.1109/EPEI63510.2024.10758184</a> (<b>Indexare IEEE Xplore</b>)</li> <li>2. Sanda Dale, Romulus Reiz, Sorin Popa, Andreea Ardelean-Dale, Julian Keller and Jens Uwe Geier, "Evaluating the Effect on Heart Rate Variability of Adults Exposed to Radio-Frequency Electromagnetic Fields in Modern Office Environment" International Journal of Advanced Computer Science and Applications(IJACSA), 15(6), 2024. <a href="http://dx.doi.org/10.14569/IJACSA.2024.0150609">http://dx.doi.org/10.14569/IJACSA.2024.0150609</a> (<b>Indexare ESCI, SCOPUS, Ei Compendex, ProQuest etc.</b>)</li> <li>3. Adamo, F., Andria, G., Losito, O., Mescia, L., Prudenzano, F., &amp; Scarano, V. L. (2013). Development of a Flexible and Scalable Measurement System for EM Pollution Monitoring. In <i>12<sup>th</sup> IMEKO TC10 Workshop on Technical Diagnostics. New Perspectives in Measurements, Tools and Techniques for Industrial Applications</i> (pp. 232-235), <a href="http://www.imeko.org/publications/tc10-2013/IMEKO-TC10-2013-038.pdf">http://www.imeko.org/publications/tc10-2013/IMEKO-TC10-2013-038.pdf</a> (<b>Indexare SCOPUS</b>)</li> </ol>	$3 * 3/4 = 2,25$
			<p><b>E. Lunca</b>, A. Salceanu, <i>Virtual Instrumentation Approach for Teaching EMC Concepts</i>, Electronics and Electrical Engineering, Vol. 117, No. 1, pp. 75-80, 2012.</p> <p><b>CITATĂ de:</b></p> <ol style="list-style-type: none"> <li>1. M. Branzila and S. Cislariu, "Design of a Laboratory Stand for the Study of Sensors and Sensory Systems," 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEI), Iasi, Romania, 2024, pp. 53-56, <a href="https://ieeexplore.ieee.org/abstract/document/10758072">https://ieeexplore.ieee.org/abstract/document/10758072</a> (<b>Indexare IEEE Xplore</b>)</li> <li>2. Oancea, C.-D., Tudorache, T. <i>Conditioning circuit for assessing the performance of renewable energy sources</i>, 22<sup>nd</sup> IMEKO TC4 International Symposium and 20<sup>th</sup> International Workshop on ADC Modelling and Testing 2017: Supporting World Development Through Electrical and Electronic Measurements, Iasi, Romania, 2017-September, pp. 457-460 (<b>Indexare Scopus</b>)</li> <li>3. Minda, A. A., Gillich, N., Chioncel, C. P., &amp; IosifPraisach, Z. (2015). Enhancing Mathematical Skills By The Use Of Virtual Instruments. <i>Procedia-Social and Behavioral Sciences</i>, 191, 996-1001, <a href="http://www.sciencedirect.com/science/article/pii/S18770428150">http://www.sciencedirect.com/science/article/pii/S18770428150</a> (<b>Indexare ScienceDirect</b>)</li> <li>4. Ursache S., Salceanu Andrei, Neacsu O., <i>Measuring the Electric and Magnetic Fields Associated with the Electrostatic Discharges</i>, BULLETIN OF THE POLYTECHNIC INSTITUTE OF IAȘI, Tome LXI (LXV), Fasc. 4, 2015, pp. 133-140, <a href="http://www.bulipi-eee.tuiasi.ro/archive/2015/fasc.4/p11_f4.pdf">http://www.bulipi-eee.tuiasi.ro/archive/2015/fasc.4/p11_f4.pdf</a> (<b>Indexare Index Copernicus, Ulrich's</b>)</li> <li>5. Rangelov, N.R. and Hinov, N.L., <i>Buck-Boost ZVS DC-DC quasi-resonant converter: design, modeling, simulation and experimentation</i>, ELECTROTECHNICA+ELECTRONICA, "E+E", 7-8/2014, <a href="https://epluse.ceec.bg/buck-boost-zvs-dc-dc-quasi-resonant-converter-design-modeling-simulation-and-experimentation/">https://epluse.ceec.bg/buck-boost-zvs-dc-dc-quasi-resonant-converter-design-modeling-simulation-and-experimentation/</a> (<b>Indexare EBSCO, DOAJ etc.</b>)</li> </ol>	$5 * 3/2 = 7,5$
			A. Salceanu, <b>E. Lunca</b> , C. Luca, S. Ursache, <i>Monitoring the Electromagnetic Traffic in an Intensive Care Unit</i> , 8 <sup>th</sup> International Conference and Exposition on Electrical and Power Engineering – EPE 2014, Iasi, Romania, Oct. 16-18, 2014, pp. 811-814.	$2 * 3/4 = 1,5$



			<p><b>CITATĂ de:</b></p> <ol style="list-style-type: none"> <li>1. C.D. Oancea, "Virtual tool for biomedical signal synthesis," 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEI), Iasi, Romania, 2024, pp. 386-389, <a href="https://ieeexplore.ieee.org/abstract/document/10758071">https://ieeexplore.ieee.org/abstract/document/10758071</a> (<b>Indexare IEEE Xplore</b>)</li> <li>2. Gökmen, N., Erdem, S., Toker, K. A., Öçmen, E., Gökmen, B. I., &amp; Özkurt, A. (2016). Analyzing Exposures to Electromagnetic Fields in an Intensive Care Unit. <i>Turkish Journal of Anaesthesiology and Reanimation</i>, 44(5), 236–240. <a href="https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5118007/">https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5118007/</a> (<b>Indexare Scopus, PubMed etc.</b>)</li> </ol>	
			<p><b>E. Lunca, S. Ursache, A. Salceanu, LabVIEW Interactive Simulations for Electromagnetic Compatibility, International Journal of Online Engineering (iJOE), Vol. 8, No. 2, pp. 11-14, 2012.</b></p> <p><b>CITATĂ de:</b></p> <ol style="list-style-type: none"> <li>1. Osaci, Mihaela; Cunțan, Corina Daniela, <i>Graphical Programming Environment for Performing Physical Experiments</i>, International Journal of Modern Education &amp; Computer Science . Feb. 2020, Vol. 12, Issue 1, p11-17, <a href="http://www.mecs-press.org/ijmecs/ijmecs-v12-n1/IJMECS-V12-N1-2.pdf">http://www.mecs-press.org/ijmecs/ijmecs-v12-n1/IJMECS-V12-N1-2.pdf</a> (<b>Indexare SCOPUS, EBSCO, Ulrich etc.</b>)</li> </ol>	3/3 = 1
			<p><b>E. Lunca, C. Donciu, A. Salceanu, V. David, Testing and Monitoring Systems Based on Virtual Instrumentation, Buletinul Institutului Politehnic Iasi, Tomul LII (LVI), Fasc. 5, pp. 1037-1042, 2006.</b></p> <p><b>CITATĂ de:</b></p> <ol style="list-style-type: none"> <li>1. Bratescu, C., Burlacu, R., Ursache, S., Ciobanu, R., Virtual instrumentation for smartphones, In <i>16<sup>th</sup> IMEKO TC4 International Symposium on Exploring New Frontiers of Instrumentation and Methods for Electrical and Electronic Measurements</i>; Florence; Italy, 22 September 2008 through 24 September 2008, <a href="http://www.imeko.org/publications/tc4-2008/IMEKO-TC4-2008-109.pdf">http://www.imeko.org/publications/tc4-2008/IMEKO-TC4-2008-109.pdf</a> (<b>Indexare SCOPUS</b>)</li> </ol>	3/4 = 0,75
			<p><b>E. Lunca, C. Donciu, M. Cretu, Aplicații server-client în LabVIEW (I). Comunicația TCP-IP și Remote Device Access, Revista de Instrumentație Virtuală, nr. 1 (25), pp. 3-8, 2005.</b></p> <p><b>CITATĂ de:</b></p> <ol style="list-style-type: none"> <li>1. UȚULEANU, S., Vlase, A., Sindilă, G., &amp; CĂPĂȚĂNĂ, N. (2015, January). Experimental stand controlled by web interface for data acquisition in punching process. In <i>Advanced Engineering Forum</i> (Vol. 13). <a href="https://zh.scientific.net/AEF.13.172">https://zh.scientific.net/AEF.13.172</a> (<b>Indexare EBSCO</b>)</li> </ol>	3/3 = 1
			<p><b>M. Andrusca, M. Adam, A. Dragomir, E. Lunca, Innovative Integrated Solution for Monitoring and Protection of Power Supply System from Railway Infrastructure, Sensors, Vol. 21, No. 23, 2021.</b></p> <p><b>CITATĂ de:</b></p> <ol style="list-style-type: none"> <li>1. I. Hajar and J. Sitanggang, "Implementation of an Internet of Things (IoT) based Electrical Equipment Monitoring System at Jakarta LRT Stations to Improve Maintenance Effectiveness", <i>Int. J. Adv. Sci. Eng. Inf. Technol.</i>, vol. 16, no. 2, pp. 631–639, Apr. 2026. <a href="https://ijaseit.insightsociety.org/index.php/ijaseit/article/view/21641">https://ijaseit.insightsociety.org/index.php/ijaseit/article/view/21641</a> (<b>Indexare Scopus</b>)</li> <li>2. Fikri, A. A., Subhan, M. F. N., Suryanto, H., Muhdi, K. D., Pratama, D. F., &amp; Iqbal, A. (2025). <i>Sensor Fusion of Laser and Inertial Units with Kalman-KMeans-Fuzzy Framework for Real-Time Railway Geometry Monitoring</i>. <i>Buletin Ilmiah Sarjana Teknik Elektro</i>, 7(3), 572-594 (<b>Indexare Scopus</b>)</li> <li>3. Matej, Jan, Seňko, Jarosław, Caban, Jacek, Szyca, Mikołaj and Gołębiewski, Hubert. "Influence of unsupported sleepers on flange climb derailment of two freight wagons" <i>Open Engineering</i>, vol. 14, no. 1, 2024, pp. 20220544. <a href="https://doi.org/10.1515/eng-2022-0544">https://doi.org/10.1515/eng-2022-0544</a> (<b>Indexare ESCI, Scopus, EBSCO etc.</b>)</li> <li>4. Tryapkin, E., Ignatenko, I., Vlasenko, S., Onischenko, A., Shurova, N. (2023). Investigation of the Conditions for the Occurrence of Rail-Ground Potentials on AC Railways. In: Guda, A. (eds) <i>Networked Control Systems for Connected and Automated Vehicles</i>. NN 2022. Lecture Notes in</li> </ol>	5 * 3/4 = 3,75

				<p>Networks and Systems, vol 510. Springer, Cham. <a href="https://doi.org/10.1007/978-3-031-11051-1_92">https://doi.org/10.1007/978-3-031-11051-1_92</a> (<b>Indexare Springerlink</b>)</p> <p>5. Pavel Pinchukov, Svetlana Makasheva, <i>Harmonic Monitoring in Normal and Short-Circuit Modes of AC Traction Network</i>, Transportation Research Procedia, Volume 68, 2023, Pages 980-986, ISSN 2352-1465, <a href="https://doi.org/10.1016/j.trpro.2023.02.136">https://doi.org/10.1016/j.trpro.2023.02.136</a>. (<a href="https://www.sciencedirect.com/science/article/pii/S2352146523001382">https://www.sciencedirect.com/science/article/pii/S2352146523001382</a>) (<b>Indexare ScienceDirect, Scopus</b>)</p>	
				<p><b>E. Lunca</b>, A. Salceanu, V. David, M. Cretu, <i>Dealing with Electromagnetic Interference Problems by Using Near-Field Probes</i>, 5<sup>th</sup> International Conference on Electromechanical and Power Systems – SIELMEN 2005, Chisinau, Rep. Moldova, Oct. 06-08, 2005, Vol. I, pp. 351-354.</p> <p><b>CITATĂ de:</b></p> <ol style="list-style-type: none"> <li>1. Ursache S., Salceanu Andrei, Neacsu O., <i>Measuring the Electric and Magnetic Fields Associated with the Electrostatic Discharges</i>, BULLETIN OF THE POLYTECHNIC INSTITUTE OF IAȘI, Tome LXI (LXV), Fasc. 4, 2015, pp. 133-140, <a href="http://www.bulipi-eee.tuiasi.ro/archive/2015/fasc.4/p11_f4.pdf">http://www.bulipi-eee.tuiasi.ro/archive/2015/fasc.4/p11_f4.pdf</a> (<b>Indexare Index Copernicus, Ulrich's</b>)</li> </ol>	<p>3/4 = <b>0,75</b></p>
				<p>S. Ursache, <b>E. Lunca</b>, S. Vornicu, <i>DC Digital Gaussmeter Based on Linear Hall-Effect Sensor IC</i>, 2019 International Conference on Electromechanical and Energy Systems (SIELMEN 2019), Craiova, Romania, October 9-11, 2019, pp. 1-4.</p> <p><b>CITATĂ de:</b></p> <ol style="list-style-type: none"> <li>1. Kota Oikawa, Tomochika Harada, A 0.18μm Magnetic Detectable Octagonal-MOSFET for Implementable of LSI System, <i>IEEE Transactions on Sensors and Micromachines</i>, Volume 141 (2021) Issue 12, <a href="https://www.istage.ist.go.jp/article/ieejsmas/141/12/141_388/article-char/en">https://www.istage.ist.go.jp/article/ieejsmas/141/12/141_388/article-char/en</a> (<b>Indexare SCOPUS, EI COMPENDEX</b>)</li> </ol>	<p>3/3 = <b>1</b></p>
				<p><b>E. Lunca</b>, M. Istrate, A. Salceanu, S. Tibuliac, <i>Computation of the Magnetic Field Exposure from 110 kV Overhead Power Lines</i>, 7<sup>th</sup> International Conference and Exposition on Electrical and Power Engineering – EPE 2012, Iasi, Romania, Oct. 25-27, 2012, pp. 628-631.</p> <p><b>CITATĂ de:</b></p> <ol style="list-style-type: none"> <li>1. Landini, M.; Mazzanti, G.; Mandrioli, R. Procedure for Verifying Population Exposure Limits to the Magnetic Field from Double-Circuit Overhead Power Lines. <i>Electricity</i>, 2021, 2, 342-358. <a href="https://doi.org/10.3390/electricity2030021">https://doi.org/10.3390/electricity2030021</a> (<b>Indexare EBSCO, ProQuest etc.</b>)</li> <li>2. Barz, C., Petters, M., Dorsz, A., Syrek, P., Possible interactions between stent and electromagnetic field, <i>Science, Technology and Innovation</i>, 2018   Vol. 3, no. 2   48—51 (<b>Indexare Index Copernicus</b>)</li> </ol>	<p>2 * 3/4 = <b>1,5</b></p>
				<p><b>E. Lunca</b>, M. Istrate, A. Salceanu, <i>Comparative analysis of the extremely low-frequency magnetic field exposure from overhead power lines</i>, Environmental Engineering and Management Journal, Vol. 12, No. 6, pp. 1145-1152, 2013.</p> <p><b>CITATĂ de:</b></p> <ol style="list-style-type: none"> <li>1. Roșu, G., Baltag, O., <i>The Analysis of Magnetic Field Measurements in a Public Access Area</i>, Annals of the University of Craiova, Electrical Engineering series, No. 40, pp. 135-140, 2016, <a href="http://elth.ucv.ro/fisiere/anale/?p=878&amp;lang=ro">http://elth.ucv.ro/fisiere/anale/?p=878&amp;lang=ro</a> RO (<b>Indexare Index Copernicus</b>)</li> <li>2. Barz, C., Petters, M., Dorsz, A., Syrek, P., Possible interactions between stent and electromagnetic field, <i>Science, Technology and Innovation</i>, 2018   Vol. 3, no. 2   48—51 (<b>Indexare Index Copernicus</b>)</li> </ol>	<p>2 * 3/3 = <b>2</b></p>
				<p><b>E. Lunca</b>, S. Ursache, A. Salceanu, <i>Computation and Analysis of the Extremely Low Frequency Electric and Magnetic Fields Generated by Two Designs of 400 kV Overhead Transmission Lines</i>, Measurement, Vol. 124, pp. 197-204, 2018.</p>	<p>8 * 3/3 = <b>8</b></p>

			<p><b>CITATĂ de:</b></p> <ol style="list-style-type: none"><li>1. Bendík, Jozef, Matej Cenký, and Žaneta Eleschová. 2026. "Determination of Ground Clearance for EHV 400 kV Overhead Power Lines Based on Electromagnetic Field Limits" <i>Electricity</i> 7, no. 2: 39. <a href="https://doi.org/10.3390/electricity7020039">https://doi.org/10.3390/electricity7020039</a> (<b>Indexare ESCI, Scopus, EBSCO, ProQuest</b>)</li><li>2. Arafat, Easir, Babak Porkar, and Mona Ghassemi. 2025. "Magnetic Field Analysis of Unconventional High Surge Impedance Loading (HSIL) Transmission Lines with Different Subconductor Configurations: Numerical Comparisons and Performance Evaluation" <i>Magnetism</i> 5, no. 3: 20. <a href="https://doi.org/10.3390/magnetism5030020">https://doi.org/10.3390/magnetism5030020</a> (<b>Indexare ESCI, Scopus, EBSCO</b>)</li><li>3. Fathy, A.M., Al-Gabalawy, M. &amp; Ismail, H.M. Numerical simulation of electromagnetic fields in HVDC transmission lines: realistic case studies of 500 kV and 800 kV systems. <i>Discov Appl Sci</i> 7, 1145 (2025). <a href="https://doi.org/10.1007/s42452-025-07778-5">https://doi.org/10.1007/s42452-025-07778-5</a> (<b>Indexare Springer, ESCI, Scopus, Ei Compendex</b>)</li><li>4. Tihak, A., Alihodžić, A., Mujezinović, A., Turajlić, E. (2026). Application of Random Forest Method for Overhead Lines Magnetic Flux Density Estimation. In: Ademović, N., Akšamija, Z., Karabegović, A. (eds) <i>Advanced Technologies, Systems, and Applications X. IAT 2025. Lecture Notes in Networks and Systems</i>, vol 1625. Springer, Cham. <a href="https://doi.org/10.1007/978-3-032-05159-2_47">https://doi.org/10.1007/978-3-032-05159-2_47</a> (<b>Indexare Springer</b>)</li><li>5. Bendík, Jozef, Matej Cenký, and Žaneta Eleschová. 2024. "The Influence of Harmonic Content on the RMS Value of Electromagnetic Fields Emitted by Overhead Power Lines" <i>Modelling</i> 5, no. 4: 1519-1531. <a href="https://doi.org/10.3390/modelling5040079">https://doi.org/10.3390/modelling5040079</a> (<b>Indexare ESCI, Scopus, EBSCO, ProQuest</b>)</li><li>6. Sosapanta Salas, J. . (2023). <i>Análisis de elementos finitos para el campo eléctrico y magnético en subestaciones eléctricas</i>. <i>Revista Ontare</i>, 11(1). <a href="https://doi.org/10.21158/23823399.v11.n1.2023.3844">https://doi.org/10.21158/23823399.v11.n1.2023.3844</a> (<b>Indexare DOAJ</b>)</li><li>7. Alihodzic, A., Mujezinovic, A., Turajlic, E. and Dedovic, M.M., 2022. Determination of Electric and Magnetic Field Calculation Uncertainty in the Vicinity of Overhead Transmission Lines. <i>Journal of Microwaves, Optoelectronics and Electromagnetic Applications</i>, 21, pp.392-413, DOI: <a href="https://doi.org/10.1590/2179-10742022v21i3262024">https://doi.org/10.1590/2179-10742022v21i3262024</a> (<b>Indexare SCOPUS, EMBASE, Engineering Village</b>)</li><li>8. Guerrero, L.I., Jiménez Rubio, F., Rodríguez Barrera, M. and Giral-Ramírez, D., 2022. Electric and magnetic field calculation software in transmission lines. <i>International Journal of Electrical &amp; Computer Engineering (2088-8708)</i>, 12(6), DOI: <a href="http://doi.org/10.11591/ijece.v12i6.pp5697-5706">http://doi.org/10.11591/ijece.v12i6.pp5697-5706</a> (<b>Indexare SCOPUS, EBSCO, ProQuest</b>)</li></ol>	
		<p><b>E. Lunca, S. Vornicu, A. Salceanu, O. Bejenaru, 2D Finite Element Model for computing the electric field strength-rms generated by overhead power lines</b>, <i>Journal of Physics: Conference Series</i>, Vol. 1065, pp. 1-4, 2018.</p> <p><b>CITATĂ de:</b></p> <ol style="list-style-type: none"><li>1. M. A. Arntzen, R. J. Cabral, M. O. Oliveira, M. E. Yasnikowski and A. P. Quintana, "Analysis of Variation in Design Parameters for Determination of Electromagnetic Field in 132kV Double-Circuit Overhead Transmission Lines," 2025 XXI Workshop on Information Procesing and Control (RPIC), San Francisco, Argentina, 2025, pp. 1-6, doi: 10.1109/RPIC67987.2025.11260847 (<b>Indexare IEEE Xplore</b>)</li><li>2. K. -L. Chen and H. -S. Chen, "Novel Environmental Electric Field Measurement Using a Drone," 2025 14th International Conference on Modern Circuits and Systems Technologies (MOCAST), Dresden, Germany, 2025, pp. 1-4, <a href="https://ieeexplore.ieee.org/document/11083952">https://ieeexplore.ieee.org/document/11083952</a> (<b>Indexare IEEE Xplore</b>)</li><li>3. Glushica, Bojan, Markovski, Blagoja, Kuhar, Andrijana, Arnautovski Toseva, Vesna (2023).</li></ol>	<p>9 * 3/4 = 6,75</p>	

			<p><i>Assessment of human exposure to electric and magnetic fields near transmission lines using FEMM</i>. Journal of energy technology, volume 16, iss. 1, str. 41-50. <a href="https://dlib.si/details/URN:NBN:SI:DOC-S2VENK9X">https://dlib.si/details/URN:NBN:SI:DOC-S2VENK9X</a> (<b><i>Indexare ProQuest</i></b>)</p> <p>4. Rodríguez-Serna, J. M., &amp; Villa-Acevedo , W. M. (2023). <i>Risk assessment and corrosion level due to inductions on pipelines close to AC power lines</i>. Revista UIS Ingenierías, 22(4), 61–70. <a href="https://doi.org/10.18273/revuin.v22n4-2023006">https://doi.org/10.18273/revuin.v22n4-2023006</a> (<b><i>Indexare EBSCO, ESCI</i></b>)</p> <p>5. Neyman, L.A., Neyman, V.Yu., GENERALIZED MODEL of A TWO-COIL SYNCHRONOUS ELECTROMAGNETIC MACHINE for VIBRATORY IMPACT TECHNOLOGICAL SYSTEMS   [ОБОБЩЕННАЯ МОДЕЛЬ ДВУХКАТУШЕЧНОЙ СИНХРОННОЙ ЭЛЕКТРОМАГНИТНОЙ МАШИНЫ ДЛЯ ТЕХНОЛОГИЧЕСКИХ СИСТЕМ ВИБРОУДАРНОГО ДЕЙСТВИЯ], <i>Bulletin of the Tomsk Polytechnic University, Geo Assets Engineering</i>, 332(1), pp. 107-117, <a href="https://earchive.tpu.ru/bitstream/11683/64332/1/bulletin_tpu-2021-v332-i1-11.pdf">https://earchive.tpu.ru/bitstream/11683/64332/1/bulletin_tpu-2021-v332-i1-11.pdf</a> (<b><i>Indexare SCOPUS, Index Copernicus</i></b>)</p> <p>6. A. Alihodžić, A. Mujezinović, E. Turajlić, N. Dautbašić and M. Muftić Dedović, "Application of artificial neural networks for overhead distribution lines magnetic flux density estimation," 27th International Conference on Electricity Distribution (CIRED 2023), Rome, Italy, 2023, pp. 761-765, doi: 10.1049/icp.2023.0496, <a href="https://ieeexplore.ieee.org/document/10241534">https://ieeexplore.ieee.org/document/10241534</a> (<b><i>Indexare IEEE Xplore, Scopus</i></b>)</p> <p>7. C. R. José, A. M. Andrés, O. M. Orlando and M. M. Armando, "Simulation of Electromagnetic Field in 132kV Double Circuit Transmission Line using the Finite Element Method," 2023 XX Workshop on Information Processing and Control (RPIC), Oberá, Argentina, 2023, pp. 1-6, doi: 10.1109/RPIC59053.2023.10530751, <a href="https://ieeexplore.ieee.org/document/10530751">https://ieeexplore.ieee.org/document/10530751</a> (<b><i>Indexare IEEE Xplore, Scopus</i></b>)</p> <p>8. V. Smetanin, D. Victor, E. Artyom and M. Alexander, "To the calculation of the magnetic conductivity coefficient of the combined multifunctional brushless activator for various ways of constructing an anchor winding of inductor axidator," 2021 XVIII International Scientific Technical Conference Alternating Current Electric Drives (ACED), Ekaterinburg, Russia, 2021, pp. 1-4, DOI: 10.1109/ACED50605.2021.94622588 (<b><i>Indexare IEEE Xplore</i></b>)</p> <p>9. Neyman, L.A., Neyman, V.Yu., GENERALIZED MODEL of A TWO-COIL SYNCHRONOUS ELECTROMAGNETIC MACHINE for VIBRATORY IMPACT TECHNOLOGICAL SYSTEMS   [ОБОБЩЕННАЯ МОДЕЛЬ ДВУХКАТУШЕЧНОЙ СИНХРОННОЙ ЭЛЕКТРОМАГНИТНОЙ МАШИНЫ ДЛЯ ТЕХНОЛОГИЧЕСКИХ СИСТЕМ ВИБРОУДАРНОГО ДЕЙСТВИЯ], <i>Bulletin of the Tomsk Polytechnic University, Geo Assets Engineering</i>, 332(1), pp. 107-117, <a href="https://earchive.tpu.ru/bitstream/11683/64332/1/bulletin_tpu-2021-v332-i1-11.pdf">https://earchive.tpu.ru/bitstream/11683/64332/1/bulletin_tpu-2021-v332-i1-11.pdf</a> (<b><i>Indexare SCOPUS, Index Copernicus</i></b>)</p>	
		<p>Eduard Luncă, <i>Sisteme pentru măsurarea și monitorizarea poluării electromagnetice. Studii teoretice și experimentale</i>, Editura PIM, Iași, 2015.</p> <p>CITATĂ de:</p> <p>1. V Ursăchianu, C Lăzărescu, O Bejenaru and A Sălceanu, <i>Assessment of human exposure to EMF generated by 5G mobile phone base stations</i>, IOP Conference Series: Materials Science and Engineering, Volume 1254, International Conference on Electromagnetic Fields, Signals and BioMedical Engineering (ICEMS-BIOMED 2022) 18/05/2022 - 20/05/2022 Sibiu, Romania, <a href="https://iopscience.iop.org/article/10.1088/1757-899X/1254/1/012026">https://iopscience.iop.org/article/10.1088/1757-899X/1254/1/012026</a> (<b><i>Indexare IOP Science</i></b>)</p>	3	
		<p>E. Lunca, A. Salceanu, S. Ursache, <i>Automated Measurement and Monitoring of the Electromagnetic Fields from GSM Systems</i>, Journal of Clean Energy Technologies, Vol. 1, No. 3, pp. 174-177, 2013.</p> <p>CITATĂ de:</p> <p>1. K. S. Malleswar et al., "Development of Low Cost Automated Test System for RF Power</p>	3/3 = 1	

				Amplifiers using Open Sourced PYTHON Programming," 2023 3rd International Conference on Intelligent Technologies (CONIT), Hubli, India, 2023, pp. 1-4, doi: 10.1109/CONIT59222.2023.10205644. <a href="https://ieeexplore.ieee.org/document/10205644">https://ieeexplore.ieee.org/document/10205644</a> ( <b><i>Indexare IEEE Xplore</i></b> )	
				S. Vornicu, <b>E. Lunca</b> , A. Salceanu, <i>ANSYS Maxwell Finite Element Model for 2D Computation of the Magnetic Field Generated by Overhead High-Voltage Power Lines</i> , 2019 International Conference on Electromechanical and Energy Systems (SIELMEN 2019), Craiova, Romania, October 9-11, 2019, pp. 1-4. <b>CITATĂ de:</b> <div><div>1. Matiullah Ahsan, Md Nor Ramdon Baharom, Zainab Zainal, Omar Abu Hassan, Faridah Hanim, Saufi Kamarudin, Rahisham Abd Rahman, Mohd Fairouz Mohd Yousof, Nor Akmal Mohd Jamail, Nordiana Azlin Othman, <i>Transmission line sag and magnetic field analysis with sag parabolic equations and Biot-Savart law</i>, International Journal of Electrical and Computer Engineering (IJECE), Vol. 15, No. 1, February 2025, pp. 76~88, <a href="https://ijece.iaescore.com/index.php/IJECE/article/view/36228">https://ijece.iaescore.com/index.php/IJECE/article/view/36228</a> (<b><i>Indexare ProQuest, EBSCO</i></b>)</div><div>2. Ahsan, M., Baharom, M. N. R., Zainal, Z., Mahmod, L. H., Mohd Jamail, N. A., Abdul Rahman, R., ... Ayub, M. (2024). <i>Magnetic Field Level Improvement using the Composite Cross-Arm Method for Overhead Transmission Lines by Ansys Maxwell Finite Element Model</i>. Journal of Advanced Research in Applied Mechanics, 127(1), 53–63. <a href="https://doi.org/10.37934/aram.127.1.5363">https://doi.org/10.37934/aram.127.1.5363</a> (<b><i>Indexare SCOPUS</i></b>)</div><div>3. Matiullah Ahsan, Md Nor Ramdon Baharom, Zainab Zainal, Ihsan Ullah Khalil, <i>Simulation based comparative analysis of electric field stress on insulated cross-arm</i>, Results in Engineering, Volume 23, 2024, 102394, <a href="https://doi.org/10.1016/j.rineng.2024.102394">https://doi.org/10.1016/j.rineng.2024.102394</a> (<b><i>Indexare ESCI, SCOPUS etc.</i></b>)</div><div>4. Ahsan, M., Baharom, M., Zainal, Z., Sahari, N., Hanim, F., Kamarudin, S., Abd Rahman, R., Mohd Yousof, M., Jamail, N., &amp; Othman, N. (2024). Improving magnetic fields in overhead transmission lines using the insulated cross-arm method. <i>Indonesian Journal of Electrical Engineering and Computer Science</i>, 36(1), 53-63. doi:<a href="http://doi.org/10.11591/ijeecs.v36.i1.pp53-63">http://doi.org/10.11591/ijeecs.v36.i1.pp53-63</a> (<b><i>Indexare SCOPUS</i></b>)</div><div>5. A G Antipov and A A Markov, <i>Flaw detector magnetizer with wheels as magnetic poles</i>, 2020 J. Phys.: Conf. Ser. 1636 012013, <a href="https://iopscience.iop.org/article/10.1088/1742-6596/1636/1/012013">https://iopscience.iop.org/article/10.1088/1742-6596/1636/1/012013</a> (<b><i>Indexare IOP Science, SCOPUS</i></b>)</div></div>	5 * 3/3 = 5
				S. Vornicu, <b>E. Lunca</b> , B.C. Neagu, F.C. Baiceanu, <i>Assessment of Extremely Low-Frequency Magnetic Field from Multiple High-Voltage Overhead Power Lines in Parallel Configuration</i> , 12 <sup>th</sup> International Conference and Exposition on Electrical And Power Engineering (EPE 2022), Iasi, Romania, Oct. 20-22, 2022, pp. 723-726. <b>CITATĂ de:</b> <div><div>1. Yu Cao, Hequn Li, Haosheng Lv, Xiaodi Wang, Jiajun Liu, Yinjie Li, and Ling Wang "Intelligent analysis of structured data and development of RPA process component for on-line monitoring of high voltage cable", Proc. SPIE 13445, International Conference on Electronics, Electrical and Information Engineering (ICEEIE 2024), 134450P (11 December 2024); <a href="https://doi.org/10.1117/12.3052704">https://doi.org/10.1117/12.3052704</a> (<b><i>Indexare Scopus</i></b>)</div><div>2. I. Boukabou, D. Rupanetti, N. Kaabouch and L. Foust, "Electromagnetic Environment Around Overhead Parallel Extra-High-Voltage Transmission Lines for UAS During Powerline Inspection," 2023 IEEE Symposium on Electromagnetic Compatibility &amp; Signal/Power Integrity (EMC+SIPI), Grand Rapids, MI, USA, 2023, pp. 413-418, doi: 10.1109/EMCSIP150001.2023.10241534, <a href="https://ieeexplore.ieee.org/document/10241534">https://ieeexplore.ieee.org/document/10241534</a> (<b><i>Indexare IEEE Xplore, Scopus</i></b>)</div></div>	2 * 3/4 = 1,5
				<b>E. Lunca</b> , S. Vornicu, A. Salceanu, <i>Numerical Modelling of the Magnetic Fields Generated by Underground</i>	2 * 3/3 =

			<p><i>Power Cables with Two-point Bonded Shields</i>, 25<sup>th</sup> IMEKO TC4 Symposium and 23<sup>rd</sup> International Workshop on ADC Modelling and Testing, Brescia, Italy, September 12-14, 2022, pp. 221-226.</p> <p><b>CITATĂ de:</b></p> <ol style="list-style-type: none"> <li>1. Tkachenko, O., Pyrohova, U., &amp; Grinchenko, V. (2026). <i>Highly accurate approximation for sheath currents in high-voltage three-phase cable line</i>. Electrical Engineering &amp; Electromechanics, (2), 89–92. <a href="https://doi.org/10.20998/2074-272X.2026.2.12">https://doi.org/10.20998/2074-272X.2026.2.12</a> (<b>Indexare Scopus, ESCI</b>)</li> <li>2. GRINCHENKO, Volodymyr, TKACHENKO, A. <i>Reduction of High-Voltage Cable Line Capacity Caused by Implementation of Magnetic Field Shielding Techniques</i>. In: Problemele Energeticii Regionale, 2023, nr. 3(59), pp. 34-41. DOI: <a href="https://doi.org/10.52254/1857-0070.2023.3-59.04V">https://doi.org/10.52254/1857-0070.2023.3-59.04V</a> (<b>Indexare Scopus, ESCI</b>)</li> </ol>	2
			<p><b>E. Lunca, S. Vornicu, A. Salceanu, Numerical and Analytical Analysis of the Low-Frequency Magnetic Fields Generated by Three-Phase Underground Power Cables with Solid Bonding, Applied Sciences, Vol. 13, No. 10:6328, pp. 1-18, 2023.</b></p> <p><b>CITATĂ de:</b></p> <ol style="list-style-type: none"> <li>1. Tkachenko, O., Pyrohova, U., &amp; Grinchenko, V. (2026). <i>Highly accurate approximation for sheath currents in high-voltage three-phase cable line</i>. Electrical Engineering &amp; Electromechanics, (2), 89–92. <a href="https://doi.org/10.20998/2074-272X.2026.2.12">https://doi.org/10.20998/2074-272X.2026.2.12</a> (<b>Indexare Scopus, ESCI</b>)</li> </ol>	3/3 = 1
			<p><b>Eduard Luncă, Bogdan-Constantin Neagu, Silviu Vornicu, Finite Element Analysis of Electromagnetic Fields Emitted by Overhead High-Voltage Power Lines, în <i>Numerical Methods for Energy Applications</i>, Springer, Cham, 2021, pp. 795-821.</b></p> <p><b>CITATĂ de:</b></p> <ol style="list-style-type: none"> <li>1. Bendík, Jozef, Matej Cenký, and Žaneta Eleschová. 2026. "Determination of Ground Clearance for EHV 400 kV Overhead Power Lines Based on Electromagnetic Field Limits" <i>Electricity</i> 7, no. 2: 39. <a href="https://doi.org/10.3390/electricity7020039">https://doi.org/10.3390/electricity7020039</a> (<b>Indexare ESCI, Scopus, EBSCO, ProQuest</b>)</li> <li>2. A. Mujezinović, A. Alihodžić, M. M. Dedović, M. Grbić and A. Pavlović, "Influence of RTV Coating Thickness on Electric Field Intensity Values in the Vicinity of Overhead Transmission Line Conductors," 2025 33rd Telecommunications Forum (TELFOR), Belgrade, Serbia, 2025, pp. 1-4, <a href="https://doi.org/10.1109/TELFOR67910.2025.11314320">10.1109/TELFOR67910.2025.11314320</a> (<b>Indexare IEEE Xplore</b>)</li> <li>3. Ran Jia, Chao Zhou, Hui Liu, Chuanbin Liu, Rong Liu, and Qiang Zhou "Analysis of Aeolian vibration failure mechanisms in transmission line fittings using machine learning algorithms", Proc. SPIE 13550, Second International Conference on Big Data, Computational Intelligence, and Applications (BDCIA 2024), 135503H (20 March 2025); <a href="https://doi.org/10.1117/12.3059533">https://doi.org/10.1117/12.3059533</a> (<b>Indexare Scopus</b>)</li> <li>4. Zhang, Ruijun. "Finite element simulation study of signal characteristics of pulsed eddy current detection technology." In <i>Journal of Physics: Conference Series</i>, vol. 2820, no. 1, p. 012058. IOP Publishing, 2024. DOI: <a href="https://doi.org/10.1088/1742-6596/2820/1/012058">10.1088/1742-6596/2820/1/012058</a> (<b>Indexare IOP Science</b>)</li> <li>5. Ahsan, M., Baharom, M. N. R., Zainal, Z., Abu Hassan, O., Sahari, N., Othman, N. A., &amp; Kamarudin, M. S. (2024). Numerical Analysis and Health Implications of Electric Fields from High Voltage Overhead Transmission Lines for Safety and Design Optimization. <i>PaperASIA</i>, 40(4b), 226–238. <a href="https://doi.org/10.59953/paperasia.v40i4b.213">https://doi.org/10.59953/paperasia.v40i4b.213</a> (<b>Indexare Scopus, EBSCO</b>)</li> <li>6. E. Turajlic, A. Mujezinovic and A. Alihodzic, "A Comparative Analysis of Different Methods for Magnetic Induction Estimation in the Vicinity of Overhead Power Lines," 2023 31st Telecommunications Forum (TELFOR), Belgrade, Serbia, 2023, pp. 1-4, doi: <a href="https://doi.org/10.1109/TELFOR59449.2023.10372729">10.1109/TELFOR59449.2023.10372729</a>, <a href="https://ieeexplore.ieee.org/document/10372729">https://ieeexplore.ieee.org/document/10372729</a> (<b>Indexare IEEE Xplore</b>)</li> <li>7. I. Boukabou, D. Rupanetti, N. Kaabouch and L. Foust, "Electromagnetic Environment Around Overhead Parallel Extra-High-Voltage Transmission Lines for UAS During Powerline Inspection,"</li> </ol>	7 * 3/3 = 7

				2023 IEEE Symposium on Electromagnetic Compatibility & Signal/Power Integrity (EMC+SIPI), Grand Rapids, MI, USA, 2023, pp. 413-418, doi: 10.1109/EMCSIP150001.2023.10241534, <a href="https://ieeexplore.ieee.org/document/10241534">https://ieeexplore.ieee.org/document/10241534</a> ( <b>Indexare IEEE Xplore, Scopus</b> )	
				<p><b>E. Lunca</b>, S. Ursache, A. Salceanu, <i>Characterization of the Electric and Magnetic Field Exposure from a 400 kV Overhead Power Transmission Line in Romania</i>, 22<sup>nd</sup> IMEKO TC4 Symposium and 20<sup>th</sup> International Workshop on ADC Modelling and Testing, Iasi, Romania, September 14-15, 2017, pp. 239-243.</p> <p><b>CITATĂ de:</b></p> <ol style="list-style-type: none"> <li>1. Tsvetelina Shalamanova, Mihaela Ivanova, Radoslav Simionov, Hristina Petkova, Petja Ivanova, <i>EXPOSURE ASSESSMENT OF LOW-FREQUENCY ELECTRIC AND MAGNETIC FIELDS GENERATED BY HIGHVOLTAGE POWER LINES: SIMULATION AND ON-SITE MEASUREMENTS</i>, BULGARIAN JOURNAL OF PUBLIC HEALTH, Vol. 17, No. 4, 2025, <a href="https://ncpha.government.bg/uploads/pages/3295/KN-4_Final-2025.pdf">https://ncpha.government.bg/uploads/pages/3295/KN-4_Final-2025.pdf</a> (<b>Indexare EBSCO</b>)</li> <li>2. M. A. Arntzen, R. J. Cabral, M. O. Oliveira, M. E. Yasnikowski and A. P. Quintana, "Analysis of Variation in Design Parameters for Determination of Electromagnetic Field in 132kV Double-Circuit Overhead Transmission Lines," 2025 XXI Workshop on Information Processing and Control (RPIC), San Francisco, Argentina, 2025, pp. 1-6, doi: 10.1109/RPIC67987.2025.11260847 (<b>Indexare IEEE Xplore</b>)</li> <li>3. Bendík, Jozef, Matej Cenký, and Žaneta Eleschová. 2024. "The Influence of Harmonic Content on the RMS Value of Electromagnetic Fields Emitted by Overhead Power Lines" <i>Modelling 5</i>, no. 4: 1519-1531. <a href="https://doi.org/10.3390/modelling5040079">https://doi.org/10.3390/modelling5040079</a> (<b>Indexare ESCI, Scopus, EBSCO, ProQuest</b>)</li> <li>4. C. R. José, A. M. Andrés, O. M. Orlando and M. M. Armando, "Simulation of Electromagnetic Field in 132kV Double Circuit Transmission Line using the Finite Element Method," 2023 XX Workshop on Information Processing and Control (RPIC), Oberá, Argentina, 2023, pp. 1-6, doi: 10.1109/RPIC59053.2023.10530751, <a href="https://ieeexplore.ieee.org/document/10530751">https://ieeexplore.ieee.org/document/10530751</a> (<b>Indexare IEEE Xplore, Scopus</b>)</li> </ol>	$4 * 3/3 = 4$
				<p>S. Vornicu, <b>E. Lunca</b>, A. Salceanu, <i>Computation of the Low Frequency Magnetic Fields Generated by a 12/20 kV Underground Power Line</i>, 10<sup>th</sup> International Conference and Exposition on Electrical and Power Engineering – EPE 2018, Iasi, Romania, October 18-19, 2018, pp. 630-633.</p> <p><b>CITATĂ de:</b></p> <ol style="list-style-type: none"> <li>1. M. A. Arntzen, R. J. Cabral, M. O. Oliveira, M. E. Yasnikowski and A. P. Quintana, "Analysis of Variation in Design Parameters for Determination of Electromagnetic Field in 132kV Double-Circuit Overhead Transmission Lines," 2025 XXI Workshop on Information Processing and Control (RPIC), San Francisco, Argentina, 2025, pp. 1-6, doi: 10.1109/RPIC67987.2025.11260847 (<b>Indexare IEEE Xplore</b>)</li> <li>2. C. R. José, A. M. Andrés, O. M. Orlando and M. M. Armando, "Simulation of Electromagnetic Field in 132kV Double Circuit Transmission Line using the Finite Element Method," 2023 XX Workshop on Information Processing and Control (RPIC), Oberá, Argentina, 2023, pp. 1-6, doi: 10.1109/RPIC59053.2023.10530751, <a href="https://ieeexplore.ieee.org/document/10530751">https://ieeexplore.ieee.org/document/10530751</a> (<b>Indexare IEEE Xplore, Scopus</b>)</li> <li>3. Ognean S. I., Lobonțiu M., Crișan T., Rosalie Adina Bălăceanu, Octavia Tamas-Krumpe, Andreea Buta and Ognean L., <i>Monitoring the Electromagnetic Pollution Potential of Some Medical Apparatus and Devices</i>, Merit Research Journal of Medicine and Medical Sciences (ISSN: 2354-323X) Vol. 8(5) pp. 178-185, May 20, <a href="https://doi.org/10.5281/zenodo.3834812">https://doi.org/10.5281/zenodo.3834812</a> (<b>Indexare Index Copernicus, NCBI</b>)</li> </ol>	$3 * 3/3 = 3$
				<b>E. Lunca</b> , S. Vornicu, I. Pavel, M. Andrusca, <i>Measurement and Numerical Simulation of the Low-</i>	$2 * 3/4 =$

			<p><i>Frequency Electric Field Generated by an Overhead Power Line</i>, 12<sup>th</sup> International Conference and Exposition on Electrical And Power Engineering (EPE 2022), Iasi, Romania, Oct. 20-22, 2022, pp. 719-722.</p> <p><b>CITATĂ de:</b></p> <ol style="list-style-type: none"> <li>1. K. -L. Chen and H. -S. Chen, "Novel Environmental Electric Field Measurement Using a Drone," 2025 14th International Conference on Modern Circuits and Systems Technologies (MOCASST), Dresden, Germany, 2025, pp. 1-4, doi: 10.1109/MOCASST65744.2025.11083952 (<i>Indexare IEEE Xplore</i>)</li> <li>2. Bendik, Jozef, Matej Cenky, and Žaneta Eleschová. 2024. "The Influence of Harmonic Content on the RMS Value of Electromagnetic Fields Emitted by Overhead Power Lines" <i>Modelling</i> 5, no. 4: 1519-1531. <a href="https://doi.org/10.3390/modelling5040079">https://doi.org/10.3390/modelling5040079</a> (<i>Indexare ESCI, Scopus, EBSCO, ProQuest</i>)</li> </ol>	1,5
			<p>I. Pavel, C. Petrescu, V. David, <b>E. Lunca</b>, <i>Estimation of the Spatial and Temporal Distribution of Magnetic Fields around Overhead Power Lines—A Case Study</i>, Mathematics, Vol. 11, No. 10:2292, pp. 1-15, 2023.</p> <p><b>CITATĂ de:</b></p> <ol style="list-style-type: none"> <li>1. Alihodžić, Ajdin, Adnan Mujezinović, Emir Turajlić, Maja Muftić Dedović, Nediz Dautbašić, and Irfan Turković. "Evaluation of the Long-Term Exposure to the Magnetic Fields Generated by Overhead Transmission Lines Using Artificial Neural Networks—A Case Study." <i>B&amp;H Electrical Engineering</i> 18, no. 1 (2024): 31-39. DOI: <a href="https://doi.org/10.2478/bhee-2024-0004">https://doi.org/10.2478/bhee-2024-0004</a> (<i>Indexare INSPEC, EBSCO, Sciendo</i>)</li> <li>2. E. Turajlic, A. Mujezinovic and A. Alihodzic, "A Comparative Analysis of Different Methods for Magnetic Induction Estimation in the Vicinity of Overhead Power Lines," 2023 31st Telecommunications Forum (TELFOR), Belgrade, Serbia, 2023, pp. 1-4, doi: 10.1109/TELFOR59449.2023.10372729, <a href="https://ieeexplore.ieee.org/document/10372729">https://ieeexplore.ieee.org/document/10372729</a> (<i>Indexare IEEE Xplore</i>)</li> </ol>	2 * 3/4 = 1,5
			<p>V. David, I. Pavel, <b>E. Lunca</b>, <i>A Method for Estimating the Magnetic Fields Generated by the Overhead Power Lines</i>, 11<sup>th</sup> International Conference and Exposition on Electrical and Power Engineering – EPE 2020, Iasi, Romania, October 22-23, 2020, pp. 1-6.</p> <p><b>CITATĂ de:</b></p> <ol style="list-style-type: none"> <li>1. Alihodžić, Ajdin, Adnan Mujezinović, Emir Turajlić, Maja Muftić Dedović, Nediz Dautbašić, and Irfan Turković. "Evaluation of the Long-Term Exposure to the Magnetic Fields Generated by Overhead Transmission Lines Using Artificial Neural Networks—A Case Study." <i>B&amp;H Electrical Engineering</i> 18, no. 1 (2024): 31-39. DOI: <a href="https://doi.org/10.2478/bhee-2024-0004">https://doi.org/10.2478/bhee-2024-0004</a> (<i>Indexare INSPEC, EBSCO, Sciendo</i>)</li> <li>2. A. Alihodžić, A. Mujezinović, E. Turajlić, N. Dautbašić and M. Muftić Dedović, "Application of artificial neural networks for overhead distribution lines magnetic flux density estimation," 27th International Conference on Electricity Distribution (CIRED 2023), Rome, Italy, 2023, pp. 761-765, doi: 10.1049/icp.2023.0496, <a href="https://ieeexplore.ieee.org/document/10241534">https://ieeexplore.ieee.org/document/10241534</a> (<i>Indexare IEEE Xplore, Scopus</i>)</li> </ol>	2 * 3/3 = 2
			<p>M. Andrusca, M. Adam, A. Dragomir, <b>E. Lunca</b>, R. Seeram, O. Postolache, <i>Condition Monitoring System and Faults Detection for Impedance Bonds from Railway Infrastructure</i>, Applied Sciences, Vol. 10, No. 18, pp. 1-20, 2020.</p> <p><b>CITATĂ de:</b></p> <ol style="list-style-type: none"> <li>1. Rodríguez-Abreo, Omar, Mario A. Quiroz-Juárez, Idalberto Macías-Socarras, Juvenal Rodríguez-Reséndiz, Juan M. Camacho-Pérez, Gabriel Carcedo-Rodríguez, and Enrique Camacho-Pérez. 2025. "Automatic Detection of Railway Faults Using Neural Networks: A Comparative Study of Transfer Learning Models and YOLOv11" <i>Infrastructures</i> 10, no. 1: 3. <a href="https://doi.org/10.3390/infrastructures10010003">https://doi.org/10.3390/infrastructures10010003</a> (<i>Indexare ESCI, Scopus, EBSCO etc.</i>)</li> </ol>	3 * 3/6 = 1,5



			<p>2. Matej, Jan, Seriko, Jarosław, Caban, Jacek, Szyca, Mikołaj and Gołębiewski, Hubert. "Influence of unsupported sleepers on flange climb derailment of two freight wagons" <i>Open Engineering</i>, vol. 14, no. 1, 2024, pp. 20220544. <a href="https://doi.org/10.1515/eng-2022-0544">https://doi.org/10.1515/eng-2022-0544</a> (<i>Indexare ESCI, Scopus, EBSCO etc.</i>)</p> <p>3. P. Pinchukov, S. Makasheva, A. Okunev; <i>Rail potential formation at AC railways under heavy hauling</i>. AIP Conf. Proc. 26 December 2023; 2624 (1): 020031. <a href="https://doi.org/10.1063/5.0145155">https://doi.org/10.1063/5.0145155</a> (<i>Indexare Scopus</i>)</p>	
		<p>V. David, A. Salceanu, <b>E. Lunca</b>, <i>The Measurement of Electromagnetic Fields in Hospital Electrotherapy Rooms</i>, 14<sup>th</sup> IMEKO TC4 International Symposium on New Technologies in Measurement and Instrumentation, Gdynia-Jurata, Polonia, Sept. 12-15, 2005, Vol. I, pp. 275-278.</p> <p><b>CITATĂ de:</b></p> <p>1. M. Aradoaei et al., "Testing the Interaction of Electromagnetic Radiation with Nano/Micro-Conductive Composite Material," 2023 International Conference on Electromechanical and Energy Systems (SIELMEN), Craiova, Romania, 2023, pp. 1-6, doi: 10.1109/SIELMEN59038.2023.10290788, <a href="https://ieeexplore.ieee.org/document/10290788">https://ieeexplore.ieee.org/document/10290788</a> (<i>Indexare IEEE Xplore</i>)</p>	3/3 = 1	
		<p><b>E. Lunca</b>, S. Ursache, A. Salceanu, <i>Study of the Power-Frequency Magnetic Fields in Residences and Schools</i>, Buletinul AGIR, No. 3, pp. 689-693, 2012.</p> <p><b>CITATĂ de:</b></p> <p>1. Pavel, Ionel, and Valeriu David. "On A Long-Term Survey of The Magnetic Field In A Laboratory." <i>Bulletin of the Polytechnic Institute of Iasi. Electrical Engineering, Power Engineering, Electronics Section</i> 69, no. 1 (2023): 47-59, DOI: <a href="https://doi.org/10.2478/bipie-2023-0003">https://doi.org/10.2478/bipie-2023-0003</a> (<i>Indexare EBSCO, Ulrich's, Index Copernicus, Sciendo</i>)</p>	3/3 = 1	
		<p><b>E. Lunca</b>, A. Salceanu, V. David, S. Ursache, <i>EMC Education at Technical University of Iasi. From EMC Fundamentals to Measurements and Standards</i>, 5<sup>th</sup> International Seminar on Quality Management in Higher Education – QMHE 2008, Tulcea, Romania, Jun. 12-14, 2008, pp. 341-344.</p> <p><b>CITATĂ de:</b></p> <p>1. C.D. Oancea, "Characterization of the Loads Connected to the Power Network," 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), Iasi, Romania, 2024, pp. 538-542, <a href="https://ieeexplore.ieee.org/abstract/document/10758118">https://ieeexplore.ieee.org/abstract/document/10758118</a> (<i>Indexare IEEE Xplore</i>)</p>	3/4 = 0,75	
		<p>S. Ursache, <b>E. Lunca</b>, A. Salceanu, I. Pavel, <i>Analysis of the Influence of the Current Drawn by the Appliance on the Close Magnetic Field</i>, ACTA IMEKO, Vol. 7, No. 4, pp. 70-74, 2018</p> <p><b>CITATĂ de:</b></p> <p>1. C.D. Oancea, "Characterization of the Loads Connected to the Power Network," 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), Iasi, Romania, 2024, pp. 538-542, <a href="https://ieeexplore.ieee.org/abstract/document/10758118">https://ieeexplore.ieee.org/abstract/document/10758118</a> (<i>Indexare IEEE Xplore</i>)</p> <p>2. Coisson, Marco, et al. "Traceability routes for magnetic measurements: filling the gap between the magnetism community and the European NMIs offering." <i>Acta IMEKO</i> 13.4 (2024): 1-6. <a href="https://doi.org/10.21014/actaimeko.v13i4.1762">https://doi.org/10.21014/actaimeko.v13i4.1762</a> (<i>Indexare ESCI, SCOPUS</i>)</p>	2 * 3/4 = 1,5	
		<p>A. Salceanu, S. Vornicu, <b>E. Lunca</b>, M. Istrate, <i>Influence of High Voltage Bundle Configurations on Human Exposure</i>, 11<sup>th</sup> International Conference and Exposition on Electrical and Power Engineering – EPE 2020, Iasi, Romania, October 22-23, 2020, pp. 1-6.</p> <p><b>CITATĂ de:</b></p> <p>1. C.D. Oancea, "Virtual tool for biomedical signal synthesis," 2024 IEEE International Conference</p>	3/4 = 0,75	

			And Exposition On Electric And Power Engineering (EPEi), Iasi, Romania, 2024, pp. 386-389, <a href="https://ieeexplore.ieee.org/abstract/document/10758071">https://ieeexplore.ieee.org/abstract/document/10758071</a> ( <b>Indexare IEEE Xplore</b> )	
			<p>A. Salceanu, Oana Neacsu, V. David, <b>E. Lunca</b>, <i>Measurements upon Human Body Capacitance: Theory and Experimental Setup</i>, 15<sup>th</sup> IMEKO TC4 International Symposium on Novelties in Electrical Measurements and Instrumentation, Iasi, Romania, Sept. 19-21, 2007, Vol. I, pp. 48-51.</p> <p><b>CITATĂ de:</b></p> <ol style="list-style-type: none"> <li>1. Bin Hu, Meng Zhang, Xiaohu Zhao, Bingchen Hou, and Zhongqing He, "Research on Induced Electrical Characteristics of Agricultural Machinery Operating Under Ultra High Voltage ac Transmission Lines in Agricultural Areas," <i>Progress In Electromagnetics Research C</i>, Vol. 143, 99-107, 2024. doi:10.2528/PIERC24031602 (<b>Indexare SCOPUS</b>)</li> <li>2. Sizhen Bian, Mengxi Liu, Bo Zhou, Paul Lukowicz, Michele Magno, <i>Body-Area Capacitive or Electric Field Sensing for Human Activity Recognition and Human-Computer Interaction: A Comprehensive Survey</i>, Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies, Volume 8, Issue 1, Article No.: 4, Pages 1 – 49, 2024, <a href="https://doi.org/10.1145/3643555">https://doi.org/10.1145/3643555</a> (<b>Indexare ESCI, EBSCO, SCOPUS etc.</b>)</li> </ol>	2 * 3/4 = 1,5
			<p>A. Vilcu, <b>E. Lunca</b>, S. Vornicu, I.-V. Herghiligiu, C. Toporascu, <i>Computerized Device for Monitoring ECG and PPG Signals – Design and Redesign Based on Value Engineering Method</i>, Bulletin of the Polytechnic Institute of Iasi. Electrical Engineering, Power Engineering, Electronics, Vol. 68 (72), No. 3, pp. 57-74, 2023.</p> <p><b>CITATĂ de:</b></p> <ol style="list-style-type: none"> <li>1. N. Adilović, E. Cogo, E. Cogo and I. Bešić, "Evaluation of heart rate monitoring accuracy of smart wearable technology devices," 2024 32nd Telecommunications Forum (TELFOR), Belgrade, Serbia, 2024, pp. 1-4, <a href="https://ieeexplore.ieee.org/abstract/document/10819189">https://ieeexplore.ieee.org/abstract/document/10819189</a> (<b>Indexare IEEE Xplore</b>)</li> </ol>	3/5 = 0,6
			<p>O. Postolache, P.S. Girão, <b>E. Lunca</b>, P. Bicleanu, M. Andrusca, <i>Unobtrusive Cardio-Respiratory Monitoring Based on Microwave Doppler Radar</i>, 7<sup>th</sup> International Conference and Exposition on Electrical and Power Engineering – EPE 2012, Iasi, Romania, Oct. 25-27, 2012, pp. 597-600.</p> <p><b>CITATĂ de:</b></p> <ol style="list-style-type: none"> <li>1. Zainuddin, S., Mat Ibrahim, M., Mohd Nasir, H., Nor Razman, N. F. S., &amp; Zainal Abidin, M. Z. (2026). <i>Time-variant traits analysis in respiratory doppler radar's signal</i>. International Journal of Electronics and Telecommunications, 1-7. <a href="https://journals.pan.pl/Content/138474/40-5218-Zainuddin-sk1.pdf">https://journals.pan.pl/Content/138474/40-5218-Zainuddin-sk1.pdf</a> (<b>Indexare Scopus, ProQuest, Compendex</b>)</li> </ol>	3/5 = 0,6
			<p><b>E. Lunca</b>, C. Donciu, M. Brinzila, A. Salceanu, <i>Aplicații server-client în LabVIEW (II). DataSocket și VI Server</i>, Revista de Instrumentație Virtuală, nr. 2 (26), pp. 27-32, 2005.</p> <p><b>CITATĂ de:</b></p> <ol style="list-style-type: none"> <li>1. Tarnovan, I., Holonec, R., &amp; Iakab, C. (2007). Networked Instrumentation—A New Educational Tool for Students' Success. In 15<sup>th</sup> IMEKO TC4 Symposium on Novelties in Electrical Measurements and Instrumentation, Iasi, Romania (pp-4), <a href="http://www.imeko.org/publications/tc4-2007/IMEKO-TC4-2007-071.pdf">http://www.imeko.org/publications/tc4-2007/IMEKO-TC4-2007-071.pdf</a> (<b>Indexare SCOPUS</b>)</li> <li>2. Bratescu, C., Burlacu, R., Ursache, S., Ciobanu, R., Virtual instrumentation for smartphones, In 16<sup>th</sup> IMEKO TC4 International Symposium on Exploring New Frontiers of Instrumentation and Methods for Electrical and Electronic Measurements; Florence; Italy, 22 September 2008 through 24 September 2008, <a href="http://www.imeko.org/publications/tc4-2008/IMEKO-TC4-2008-109.pdf">http://www.imeko.org/publications/tc4-2008/IMEKO-TC4-2008-109.pdf</a> (<b>Indexare SCOPUS</b>)</li> </ol>	2 * 3/4 = 1,5
3.4	Membru în	Punctaj unic pentru fiecare	3.4.1 WOS	10 pct.
			1. Membru Advisory Board - 7 <sup>th</sup> International Conference and Exposition on Electrical and Power	10

		comitetele de redacție și comitetele științifice ale revistelor și manifestărilor științifice, organizator de manifestări științifice, recenzor pentru reviste și manifestări științifice naționale și internaționale	activitate	Engineering – EPE 2012, Iasi, Romania, Oct. 25-27, 2012, <a href="http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6463894">http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6463894</a>	
				2. Recenzor <i>Paper ID 642</i> , 8 <sup>th</sup> International Conference and Exposition on Electrical and Power Engineering – EPE 2014, Iasi, Romania, Oct. 25-27, 2014	10
				3. Recenzor <i>Paper ID 702</i> , 8 <sup>th</sup> International Conference and Exposition on Electrical and Power Engineering – EPE 2014, Iasi, Romania, Oct. 25-27, 2014	10
				4. Recenzor <i>Paper ID 636</i> , 8 <sup>th</sup> International Conference and Exposition on Electrical and Power Engineering – EPE 2014, Iasi, Romania, Oct. 25-27, 2014	10
				5. Recenzor <i>Paper ID 585</i> , 8 <sup>th</sup> International Conference and Exposition on Electrical and Power Engineering – EPE 2014, Iasi, Romania, Oct. 25-27, 2014	10
				6. Recenzor <i>Paper ID 665</i> , 8 <sup>th</sup> International Conference and Exposition on Electrical and Power Engineering – EPE 2014, Iasi, Romania, Oct. 25-27, 2014	10
				7. Recenzor <i>Paper ID 567</i> , 8 <sup>th</sup> International Conference and Exposition on Electrical and Power Engineering – EPE 2014, Iasi, Romania, Oct. 25-27, 2014	10
				8. Recenzor <i>Paper ID 682</i> , 8 <sup>th</sup> International Conference and Exposition on Electrical and Power Engineering – EPE 2014, Iasi, Romania, Oct. 25-27, 2014	10
				9. Recenzor <i>Paper ID 748</i> , 8 <sup>th</sup> International Conference and Exposition on Electrical and Power Engineering – EPE 2014, Iasi, Romania, Oct. 25-27, 2014	10
				10. Recenzor <i>Paper ID 625</i> , 8 <sup>th</sup> International Conference and Exposition on Electrical and Power Engineering – EPE 2014, Iasi, Romania, Oct. 25-27, 2014	10
				11. Recenzor <i>Paper ID 855</i> , 8 <sup>th</sup> International Conference and Exposition on Electrical and Power Engineering – EPE 2014, Iasi, Romania, Oct. 25-27, 2014	10
				12. Recenzor <i>Paper ID 710</i> , 8 <sup>th</sup> International Conference and Exposition on Electrical and Power Engineering – EPE 2014, Iasi, Romania, Oct. 25-27, 2014	10
				13. Recenzor <i>Paper ID 718</i> , 8 <sup>th</sup> International Conference and Exposition on Electrical and Power Engineering – EPE 2014, Iasi, Romania, Oct. 25-27, 2014	10
				14. Recenzor <i>Paper GTD-2016-0836</i> , IET Generation, Transmission & Distribution, FI: 2,213, <a href="http://digital-library.theiet.org/content/journals/iet-gtd">http://digital-library.theiet.org/content/journals/iet-gtd</a> , 3 referate, 2016	3 * 10 = 30
				15. Membru în comitetul de organizare al 9 <sup>th</sup> International Conference and Exposition on Electrical and Power Engineering (EPE 2016), Iasi, Romania, 20-22 octombrie, 2016, <a href="http://www.epe.tuiasi.ro/2016/">http://www.epe.tuiasi.ro/2016/</a>	10
				16. Recenzor <i>Paper 1328-3269-1-RV</i> , 9 <sup>th</sup> International Conference and Exposition on Electrical and Power Engineering (EPE 2016), Iasi, Romania, 20-22 octombrie, 2016	10
				17. Recenzor <i>Paper 1015-3038-1-RV</i> , 9 <sup>th</sup> International Conference and Exposition on Electrical and Power Engineering (EPE 2016), Iasi, Romania, 20-22 octombrie, 2016	10
				18. Recenzor <i>Paper 1256-2639-3-SP</i> , 9 <sup>th</sup> International Conference and Exposition on Electrical and Power Engineering (EPE 2016), Iasi, Romania, 20-22 octombrie, 2016	10
				19. Recenzor <i>Paper 1577-3805-1-RV</i> , 9 <sup>th</sup> International Conference and Exposition on Electrical and Power Engineering (EPE 2016), Iasi, Romania, 20-22 octombrie, 2016	10
				20. Recenzor <i>Paper 1508-4383-1-RV</i> , 9 <sup>th</sup> International Conference and Exposition on Electrical and Power Engineering (EPE 2016), Iasi, Romania, 20-22 octombrie, 2016	10
				21. Recenzor <i>Paper 1899-4434-1-RV</i> , 9 <sup>th</sup> International Conference and Exposition on Electrical and Power Engineering (EPE 2016), Iasi, Romania, 20-22 octombrie, 2016	10
				22. Recenzor <i>Paper 1849-4126-1-SP</i> , 9 <sup>th</sup> International Conference and Exposition on Electrical and Power	10

			Engineering (EPE 2016), Iasi, Romania, 20-22 octombrie, 2016	
			23. Recenzor manuscris 2017-PEDCC-043 și manuscris 2017-PEDCC-0431.R1, IEEE Transactions on Industry Applications (FI: 2,937), 2 <i>referate</i> , 2017	2 * 10 = 20
			24. Recenzor manuscris Access-2017-00540, IEEE Access (FI: 3,244), 2017	10
			25. Recenzor manuscris MAP-2017-0277 și manuscris MAP-2017-0859, IET Microwaves, Antennas & Propagation (FI: 1,187), 2 <i>referate</i> , 2017	2 * 10 = 20
			26. Membru în comitetul de organizare al 10 <sup>th</sup> International Conference and Exposition on Electrical and Power Engineering (EPE 2018), Iasi, Romania, 18-19 octombrie, 2018, <a href="http://www.epe.tuiasi.ro/2018/">http://www.epe.tuiasi.ro/2018/</a>	10
			27. Recenzor + Track Director al 5 <sup>th</sup> International Workshop on Electromagnetic Compatibility and Engineering in Medicine and Biology (în cadrul EPE 2018), 16 <i>lucrări</i>	16 * 10 = 160
			28. Recenzor <i>Paper 3068-7248-1-RV</i> , 10 <sup>th</sup> International Conference and Exposition on Electrical and Power Engineering (EPE 2018), Iasi, Romania, 18-19 octombrie, 2018	10
			29. Recenzor <i>Paper 2949-7242-1-RV</i> , 10 <sup>th</sup> International Conference and Exposition on Electrical and Power Engineering (EPE 2018), Iasi, Romania, 18-19 octombrie, 2018	10
			30. Recenzor manuscris MEAS-D-19-00343, Measurement (FI: 2,474), 1 <i>referat</i> , 2019	10
			31. Recenzor manuscris Sensors-24810-2018, IEEE Sensors Journal (FI: 3,073), 2 <i>referate</i> , 2019	2 * 10 = 20
			32. Recenzor manuscris Sensors-26642-2019, IEEE Sensors Journal (FI: 3,073), 1 <i>referat</i> , 2019	10
			33. Recenzor manuscris Sensors-26756-2019, IEEE Sensors Journal (FI: 3,073), 1 <i>referat</i> , 2019	10
			34. Recenzor manuscrise Sensors-30300-2019 și Sensors-32116-2020, IEEE Sensors Journal (FI: 3,073), 2 <i>referate</i> , 2020	2 * 10 = 20
			35. Recenzor manuscris MEAS-D-19-04183, Measurement (FI: 2,474), 2 <i>referate</i> , 2020	2 * 10 = 20
			36. Recenzor manuscris MEAS-D-20-03357, Measurement (FI: 2,474), 2 <i>referate</i> , 2020	2 * 10 = 20
			37. Recenzor manuscris applsci-1700921, Applied Sciences (FI: 2,838), 1 <i>referat</i> , 2022	10
			38. Recenzor manuscris EGYR-D-23-02040, Energy Reports (FI: 5,2), 1 <i>referat</i> , 2023	10
			39. Recenzor manuscris MEAS-D-23-01858, Measurement (FI: 5,6), 2 <i>referate</i> , 2023	2 * 10 = 20
			40. Recenzor manuscris MEAS-D-23-02579, Measurement (FI: 5,6), 1 <i>referat</i> , 2023	10
			41. Recenzor manuscris applsci-2534679, Applied Sciences (FI: 2,7), 1 <i>referat</i> , 2023	10
			42. Recenzor manuscris MMS-01641-2024-01, Metrology and Measurement Systems (FI: 1), 1 <i>referat</i> , 2024	10
			43. Recenzor Paper ID 222, IEEE International Instrumentation and Measurement Technology Conference (I2MTC 2025), Chemnitz, Germania, 19-22 mai, 2025	10
			44. Recenzor Paper ID 237, IEEE International Instrumentation and Measurement Technology Conference (I2MTC 2026), Nancy, Franța, 25-28 mai, 2026	10
			3.4.2 BDI	6. pct.
			1. Membru <i>Technical Committee</i> - 6 <sup>th</sup> International Conference on Future Environment and Energy – ICFEE 2016, Pattaya, Thailand, Ian. 23-25, 2016, <a href="http://www.icfee.org/com.htm">http://www.icfee.org/com.htm</a>	6
			2. Membru <i>Technical Committee</i> - 5 <sup>th</sup> International Conference on Climate Change and Humanity – ICCCH 2016, Pattaya, Thailand, Ian. 23-25, 2016, <a href="http://www.iccch.org/com.htm">http://www.iccch.org/com.htm</a>	6
			3. Membru <i>Technical Committee</i> - 5 <sup>th</sup> International Conference on Future Environment and Energy – ICFEE 2015, Taipei, Taiwan, Ian. 24-25, 2015, <a href="http://www.icfee.org/com.htm">http://www.icfee.org/com.htm</a>	6
			4. Membru <i>Technical Committee</i> - 4 <sup>th</sup> International Conference on Future Environment and Energy –	6

			ICFEE 2014, Melbourne, Australia, Ian. 4-5, 2014, <a href="http://www.icfee.org/com.htm">http://www.icfee.org/com.htm</a>	
			5. Recenzor <i>Paper ID 162-834</i> , ACTA IMEKO, Vol. 4, No. 1, 2015, <a href="https://acta.imeko.org/index.php/acta-imeko/issue/view/10/showToc">https://acta.imeko.org/index.php/acta-imeko/issue/view/10/showToc</a>	6
			6. Recenzor <i>Paper ID S1003</i> , 4 <sup>th</sup> International Conference on Future Environment and Energy – ICFEE 2014, Melbourne, Australia, Ian. 4-5, 2014	6
			7. Recenzor <i>Paper "Implementation and..."</i> , University of Mauritius Research Journal, Vol. 17, 2011, List of reviewers: <a href="http://vcampus.uom.ac.mu/rci/resjournal/reviewers.php">http://vcampus.uom.ac.mu/rci/resjournal/reviewers.php</a>	6
			8. Recenzor <i>Paper "On the dust ..."</i> , BULLETIN OF THE POLYTECHNIC INSTITUTE OF IAȘI, Tome LVII (LXI), Fasc. 6, 2011	6
			9. Recenzor manuscris 477-2935-1-RV, ACTA IMEKO, 2017	6
			10. Recenzor <i>Paper " Experimental Analysis and ..."</i> , BULLETIN OF THE POLYTECHNIC INSTITUTE OF IAȘI, 2017	6
			11. Membru în comitetul de organizare al 22 <sup>nd</sup> IMEKO TC4 Symposium and 20 <sup>th</sup> International Workshop on ADC Modelling and Testing, <a href="http://www.imeko2017.tuiasi.ro/committees/">http://www.imeko2017.tuiasi.ro/committees/</a>	6
			12. Recenzor manuscris 477-2935-1-RV, ACTA IMEKO, 2017	6
			13. Recenzor 22 <sup>nd</sup> IMEKO TC4 Symposium and 20 <sup>th</sup> International Workshop on ADC Modelling and Testing – IMEKO TC4 2017, Submission no. 116, Submission no. 198, Submission no. 214	3 * 6 = 18
			14. Recenzor manuscris 583-3795-1-RV, ACTA IMEKO, 2018	6
			15. Recenzor manuscris 594-3846-1-RV, ACTA IMEKO, 2018	6
			16. Recenzor manuscris 672-4336-1-RV, ACTA IMEKO, 2018	6
			17. Recenzor manuscris 14322-50114-2-RV, Bioresources, 2018	6
			18. Recenzor manuscris <i>RF Attenuation Measurement System ...</i> , 23 <sup>rd</sup> IMEKO TC4 International Symposium Electrical & Electronic Measurements Promote Industry 4.0, September 17-20, 2019, Xi'an, China	6
			19. Recenzor manuscris MEIE21223 și manuscris MEIE22745, The Second International Conference on Mechanical, Electric and Industrial Engineering, May 25-27, 2019, Hangzhou, China	2 * 6 = 12
			20. Recenzor manuscrise 1570560432, 1570561965, 1570561969, 1570562663 și 1570572811, 2 <sup>nd</sup> International Symposium on Sensors and Instrumentation in IoT Era (ISSI), August 29-30, 2019, Lisbon, Portugal	5 * 6 = 30
			21. Recenzor manuscris 760-5114-1-RV, ACTA IMEKO, 2020	6
			22. Recenzor + Track Director al 6 <sup>th</sup> International Workshop on Electromagnetic Compatibility and Engineering in Medicine and Biology (în cadrul EPE 2020), 8 lucrări	8 * 6 = 48
			23. Recenzor <i>Paper 3841-9173-1-RV, Paper 4181-10197-1-RV, Paper 4241-10493-1-RV-1</i> , 11 <sup>th</sup> International Conference and Exposition on Electrical and Power Engineering (EPE 2020), Iasi, Romania, 22-23 octombrie, 2020	3 * 6 = 18
			24. Recenzor <i>Paper ID 46 și Paper ID 114</i> , 13 <sup>th</sup> International Conference on Electromechanical and Power Systems (SIELMEN 2021), 6-8 octombrie 2021, Iasi, Romania	2 * 6 = 12
			25. Recenzor manuscris ID electricity-1318294, MDPI – Electricity (EBSCO, ProQuest), 2021	6
			26. Recenzor + Track Director al 7 <sup>th</sup> International Workshop on Electromagnetic Compatibility and Engineering in Medicine and Biology (în cadrul EPE 2022), 3 lucrări	3 * 6 = 18
			27. Recenzor <i>Paper ID 13, Paper ID 59 și Paper ID 142</i> , 12 <sup>th</sup> International Conference and Exposition on Electrical and Power Engineering (EPE 2022), Iasi, Romania, 20-22 octombrie, 2022	3 * 6 = 18

			28. Membru <i>Technical Program Committee</i> - 12 <sup>th</sup> International Conference and Exposition on Electrical and Power Engineering (EPE 2022), Iasi, Romania, 20-22 octombrie, 2022, <a href="http://www.epe.tuiasi.ro/2022/index_files/Page525.html#b3">http://www.epe.tuiasi.ro/2022/index_files/Page525.html#b3</a>	6
			29. Recenzor manuscris ICAT22-000029, 2022 XXVIII International Conference on Information, Communication and Automation Technologies (ICAT), Sarajevo, Bosnia and Herzegovina, 16-18 iunie, 2022	6
			30. Recenzor manuscris "On a long-term survey ...", Bulletin of the Polytechnic Institute of Iasi. Electrical Engineering, Power Engineering, Electronics (EBSCO, Ulrich's, Index Copernicus, Sciendo)	6
			31. Recenzor Paper ID 49, Paper ID 55 și Paper ID 79, 14 <sup>th</sup> International Conference and Exhibition on Electromechanical and Energy Systems (SIELMEN 2023), Chișinău, Rep. Moldova, 12-13 octombrie 2023	3 * 6 = 18
			32. Recenzor manuscrise 1571055864, 1571053068, 1571041819 și 1571047660, 4 <sup>th</sup> International Symposium on Sensors and Instrumentation in IoT Era (ISSI), August 29-30, 2024, Azores, Portugal	4 * 6 = 24
			33. Recenzor + Track Director al 8 <sup>th</sup> International Workshop on Electromagnetic Compatibility and Engineering in Medicine and Biology (în cadrul EPEi 2024), 5 lucrări – ID65, ID161, ID150, ID14, ID187	5 * 6 = 30
			34. Co-chair al 8 <sup>th</sup> International Workshop on Electromagnetic Compatibility and Engineering in Medicine and Biology, <a href="https://www.epe.tuiasi.ro/jointevents/#emc">https://www.epe.tuiasi.ro/jointevents/#emc</a>	6
			35. Recenzor Paper ID 34, Paper ID 93 și Paper ID 147, 13 <sup>th</sup> International Conference and Exposition on Electrical and Power Engineering (EPEi 2024), Iasi, Romania, 17-19 octombrie, 2024	3 * 6 = 18
			36. Membru <i>Technical Program Committee</i> - 13 <sup>th</sup> International Conference and Exposition on Electrical and Power Engineering (EPEi 2024), Iasi, Romania, 17-19 octombrie, 2024, <a href="https://www.epe.tuiasi.ro/conference/">https://www.epe.tuiasi.ro/conference/</a>	6
			37. Recenzor Paper ID 17 și Paper ID 18, 13 <sup>th</sup> International Conference on Radiation, Natural Sciences, Medicine, Engineering, Technology and Ecology (13 <sup>th</sup> RAD Conference), Herceg Novi, Muntenegru, 16-20 iunie 2025	2 * 6 = 12
			38. Recenzor Paper ID 14 și Paper ID 156, 2025 International Conference on Electromechanical and Energy Systems (SIELMEN), Iasi, Romania, 15 octombrie (Chișinău, Rep. Moldova, 16-17 octombrie), 2025	2 * 6 = 12
			3.4.3 Naționale și internaționale neindexate	3 pct.
		3.5 Referent în comisii de doctorat	1. Membru în juriul Conferinței Naționale de Bioinginerie pentru Studenți și Tineri Cercetători - BENG Conference (Secțiunea <i>Echipamente și Sisteme Medicale</i> ), organizată la Universitatea de Medicină și Farmacie „Grigore T. Popa” Iași, 7-11 mai 2025, Iași, România	3
			3.5.1 Internaționale	10 pct.
			1. Membru al Consiliului Științific Specializat pentru susținerea tezei de doctorat „Măsurătoare de impedanță cu rezonanță simulată în coordonate carteziane”, elaborată de drd. ing. Pavel Nicolaev, 30 iunie 2018, Universitatea Tehnică a Moldovei, Chișinău, Rep. Moldova	10
			3.5.2 Naționale	5 pct.
			1. Membru al comisiei pentru analiza și susținerea tezei de doctorat <i>Cercetări asupra măsurării și limitării nivelului perturbațiilor electromagnetice</i> , elaborată de drd. ing. Alistar Bogdan-Dumitru, conducător științific prof. dr. ing. Alexandru Sălceanu, data susținerii 27 sept. 2019, Sala de conferințe Dragomir Hurmuzescu (IEEIA), Universitatea Tehnică “Gheorghe Asachi” din Iași	5
			2. Membru al comisiei pentru analiza și susținerea tezei de doctorat <i>Cercetări teoretice și experimentale privind caracterizarea expunerii umane la câmpuri electromagnetice de joasă frecvență</i> , elaborată de	5



				drd. ing. Silviu-Constantin Vornicu, conducător științific prof. dr. ing. Alexandru Sălceanu, data susținerii 11 sept. 2024, Sala de conferințe Dragomir Hurmuzescu (IEEIA), Universitatea Tehnică "Gheorghe Asachi" din Iași	
		3.6 Premii		ASAS, AOSR, academii de ramură și CNCS	15 pct.
				1. Articol premiat UEFISCDI, zona roșie, 2018 (E. Lunca, S. Ursache, A. Salceanu, <i>Computation and Analysis of the Extremely Low Frequency Electric and Magnetic Fields Generated by Two Designs of 400 kV Overhead Transmission Lines</i> , Measurement, Vol. 124, pp. 197-204, 2018, FI 2017 - 2,218)	15
				2. Articol premiat UEFISCDI, zona galbenă, 2020 (M. Andrusca, M. Adam, A. Dragomir, E. Lunca, R. Seeram, O. Postolache, <i>Condition Monitoring System and Faults Detection for Impedance Bonds from Railway Infrastructure</i> , Applied Sciences, Vol. 10, No. 18, pp. 1-20, 2020, FI 2019 - 2,474)	15
				3. Articol premiat UEFISCDI, zona roșie, 2023 (M. Andrusca, M. Adam, A. Dragomir, E. Lunca, <i>Innovative Integrated Solution for Monitoring and Protection of Power Supply System from Railway Infrastructure</i> , Sensors, Vol. 21, No. 23:7858, pp. 1-22, 2021, FI 2022 - 3,9)	15
				Premii internaționale	10 pct.
				1. Gold Medal Diploma, pentru invenția <i>Automatic survey of magnetic field with detection and characterization of transient fields</i> (autori: Valeriu David, <b>Eduard Luncă</b> , Ionel Pavel), International Innovation and Invention Show EURO POLITEHNICUS 2024, 1 <sup>st</sup> Edition, 22-24 nov. 2024, București, România	10
		3.7 Membru în academii, organizații, asociații profesionale	3.7.3 Conducere asociații profesionale	Naționale	10 pct.
				1. Membru în Consiliul Director al Asociației pentru Compatibilitate Electromagnetică din România (ACER)	10
			3.7.4 Asociații profesionale	Internaționale	5 pct.
				1. <i>Chemical, Biological and Environmental Engineering Society</i> , CBEES, <a href="http://www.cbees.org">www.cbees.org</a>	5
				2. <i>International Association of Online Engineering</i> , IAOE, <a href="http://www.online-engineering.org">http://www.online-engineering.org</a>	5
				3. <i>IEEE</i> , Member # 95134305	5
				4. <i>IEEE Electromagnetic Compatibility Society</i>	5
				5. <i>IEEE Sensors Council</i>	5
				<b>Total recunoașterea impactului activității (A3)</b>	<b>1560,32</b>

Data: 30 mai 2026

Conf.univ.dr.ing. **Costel-Eduard Luncă**