

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI
FACULTATEA DE INGINERIE ELECTRICĂ, ENERGETICĂ ȘI INFORMATICĂ APLICATĂ
DEPARTAMENTUL DE ELECTROTEHNICĂ

Concurs pentru ocuparea postului de CONFERENȚIAR, poz. 6

Disciplinele postului: ÎNCERCAREA MAȘINILOR ELECTRICE

PROBLEME SPECIALE ALE MAȘINILOR ELECTRICE

FIȘA DE VERIFICARE

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

publicat în Monitorul Oficial al României nr. 395 din data de 28.11.2024

Candidat: VÎRLAN BOGDAN / Data nașterii: 11.02.1986. Funcția actuală: ȘEF DE LUCRĂRI, Data numirii în funcția actuală: 01.10.2018 Instituția: DEPARTAMENT ELECTROTEHNICĂ, FACULTATEA DE INGINERIE ELECTRICĂ, ENERGETICĂ ȘI INFORMATICĂ APLICATĂ, UNIVERSITATEA TEHNICĂ „GHEORGHE ASACHI” DIN IAȘI

Se preia tabelul și definițiile corespunzătoare domeniului științific aferent, conform Anexei PO.DID.12_A1.3.

(Modul de îndeplinire a standardelor minimale naționale va fi prezentat în mod explicit și va trebui însoțit de dovezi)

Data: 20.12.2024

Candidat: VÎRLAN BOGDAN
(Nume prenume și semnătura)



Tabel 1: Condiții minimale / punctaje obținute (în conformitate cu ORDIN nr. 6129 din 20 decembrie 2016 privind aprobarea standardelor minimale necesare și obligatorii pentru conferirea titlurilor didactice din învățământul superior, a gradelor profesionale de cercetare-dezvoltare, a calității de conducător de doctorat și a atestatului de abilitare)

Nr.crt.	Domeniul de activitate	Condiții conferențiar	Punctaj obținut
1	Activitatea didactică/profesională (A ₁)	Minimum 60 puncte	100,6
2	Activitatea de cercetare (A ₂)	Minimum 180 puncte	249,57
3	Recunoașterea impactului activității (A ₃)	Minimum 60 puncte	218,97
TOTAL			569,14

Tabelul 2. Centralizator privind îndeplinirii cerințelor standardului minimal național pentru postul de conferențiar universitar

Nr. crt.	Domeniul activităților	Tipul activităților	Categorii și restricții	Subcategorii	Realizat
1	Activitatea didactică/profesională (A1)	1.1 Cărți și capitole în cărți de specialitate	1.1.1 Cărți cu ISBN/capitole ca autor didactice sau monografii Minimum 2	1.1.1.1 internaționale	0
				1.1.1.2 naționale Realizate: 2	1. 158/(5x2)=15,8 2. 200/(5x1)=40
		1.2 Suport didactic	1.2.1 Suport de curs inclusiv electronic Minimum 1	Realizate: 2	1. 120/(10x1)=12 2. 200/(10x1)=19
			1.2.2 Îndrumare de laborator/aplicații Minimum 1	Realizate 3	1. 110/(20*1)=5,5 2. 86/(20*1)=4,3 3. 80/(20*1)=4
		1.3. Coordonare programe de studii, organizare și coordonare programe de formare continuă și proiecte educaționale (POS, ERASMUS, s.a)	Punctaj unic pentru fiecare activitate		-
Total punctaj activitate A1					100,6

2	Activitatea de cercetare (A2)	2.1 Articole în extenso în reviste cotate WOS Thomson-Reuters(1), în volume proceedings indexate WOS Thomson-Reuters și brevete de invenție indexate WOS-Derwent	2.1.2 Conferențiar: Minimum 7 articole din care minimum 2 ca prim autor și minimum 2 în reviste		Număr publicații: 20 Prim autor: 5 Publicat în revistă: 3 Punctaj: 165,45
		2.2 Articole în reviste și în volumele unor manifestări științifice indexate în alte baze de date internaționale (BD(3))	2.2.2 Conferențiar: Minimum 15 articole din care minimum 2 în reviste		Număr publicații: 19 Publicat în revistă: 3 Punctaj: 66,62
		2.3 Brevete de invenție indexate în alte baze de date		2.3.1 internaționale	-
				2.3.2 naționale	
		2.4 Granturi/proiecte câștigate prin competiție națională/ internațională	2.4.1 Director/Responsabil proiect partener Minimum 2	2.4.1.1 internaționale	
				2.4.1.2 naționale	17,5
			2.4.2 Membru în echipă	2.4.2.1 internaționale	-
				2.4.2.1 naționale	-
		2.5 Contrate de cercetare/consultanță (valoare echivalentă minim 2000 euro)	2.5.1 Director/Responsabil proiect partener Minimum 1		-
			2.5.2 Membru în echipă		-
		Total punctaj activitate A2			249,57

3	Recunoașterea impactului activității (A ₃)	3.1 Citări în revistele WOS și volumele conferințelor WOS ^(a)	3.1.1 Minimum 7 citări		Nr. citări: 51 Punctaj: 49,02
		3.2. Citări în revistele BDI și volumele conferințelor BDI	3.2.1 Minimum 20 citări		Nr. citări: 55 Punctaj: 31,95
		3.3 Prezentări invitate în plenul unor manifestări științifice naționale și internaționale	Punctaj unic pentru fiecare activitate	3.3.1 internaționale 3.3.2 naționale	- -
		3.4 Membru în colective de redacție sau comitete științifice ale revistelor și manifestărilor științifice, organizator de manifestări științifice, recenzor pentru reviste și manifestări științifice naționale și internaționale (punctajul se acordă pentru fiecare revistă, manifestare științifică și recenzie)		3.4.1 WOS 3.4.2 BDI 3.4.3 Naționale și internaționale neindexate	- 126 -
		3.5 Referent în comisii de doctorat		3.5.1 internaționale 3.5.2 naționale	- -
		3.6 Premii		Academia Română ASAS, AOSR, academii de ramură și CNCS Premii internaționale Premii naționale în domeniu	- - - - -
		3.7 Membru în academii, organizații, asociații profesionale de prestigiu, naționale și internaționale, apartenență la organizații din domeniul educației și cercetării	3.7.1 Academia română 3.7.2 ASAS, AOSR și academii de ramura 3.7.3 Conducere asociații profesionale 3.7.4 Asociații profesionale 3.7.5 Comisii și organizații în domeniul educației și cercetării		2 10
		Total punctaj activitate A3			218,97
		Total A1+A2+A3			569,14

Tabelul 3. Comisia de **inginerie electrică** - standarde minimale necesare și obligatorii pentru conferirea titlurilor didactice din învățământul superior și a gradelor profesionale de cercetare-dezvoltare

Nr. crt.	Domeniul activităților	Tipul activităților	Categorii și restricții	Subcategoriile	Indicatori (k_p)
0	1	2	3	4	5
1	Activitatea didactică/profesională (A_1)	1.1 Cărți și capitole în cărți de specialitate	1.1.1 Cărți cu ISBN/capitole ca autor; Conferențiar minimum 1	1.1.1.1 internaționale 1.1.1.2 naționale 1. Virlan Bogdan , Munteanu Adrian: Generatoare sincrone cu excitație electromagnetă, de mică putere – metode de optimizare 158 pg 2. Virlan Bogdan , Mașini asincrone cu rotor exterior și înfășurări toroidale 200 pg 1.1.2.1 internaționale 1.1.2.2 naționale	nr. pagini/(5*nr. autori) 158/(5x2)=15,8 200/(5x1)=40 - -
		1.2 Suport didactic	1.2.1 Suport de curs inclusiv electronic; Conferențiar minimum 1;	Suport de curs - 2 1. Virlan Bogdan , Suport de curs - Comanda și controlul mașinilor cu comutație electronică Document pdf: 120 pg http://www.eth.iecea.tuiasi.ro/wp-content/uploads/2024/12/CURS_CCMCE.pdf 2. Virlan Bogdan , Suport de curs - Problemele Speciale ale Mașinilor Electrice Prezentare ppt: 190 pg http://www.eth.iecea.tuiasi.ro/wp-content/uploads/2024/12/CURS_PSME_TOTAL.pdf	nr. pagini/(10*nr. autori) 120/(10x1)=12 200/(10x1)=19

			1.2.2 Îndrumare de laborator/aplicații: pentru Conferențiar minimum 1	Îndrumare de laborator - 3 1. Virlan Bogdan, , Mașini electrice I, Îndrumar de laborator 110 pg http://www.eth.iecea.tuiasi.ro/wp-content/uploads/2024/12/Laborator_Masini-electrice-I.pdf 2. Virlan Bogdan, Mașini electrice II, Îndrumar de laborator 86 pg http://www.eth.iecea.tuiasi.ro/wp-content/uploads/2024/12/Laborator_Masini-electrice-II.pdf 3. Virlan Bogdan, Munteanu Adrian, Încercarea mașinilor electrice, Îndrumar de laborator, 80 pg http://www.eth.iecea.tuiasi.ro/wp-content/uploads/2024/12/Laborator_IME.pdf	nr. pagini/(20*nr. autori) 110/(20*1)=5,5 86/(20*1)=4,3 80/(20*1)=4
		1.3. Coordonare programe de studii, organizare și coordonare programe de formare continuă și proiecte educaționale (POS, ERASMUS, s.a)			
		TOTAL Puncte Activitatea didactică/profesională (A1)			100,6
2	Activitatea de cercetare (A ₂)	2.1 Articole in extenso în reviste cotate WOS Thomson-Reuters ⁽¹⁾ , în	2.1.1 Conferențiar / CS II,	Articole în reviste și proceedings indexate WOS - 20	(25+20*factor impact ⁽²⁾)/nr. de autori

	volume proceedings indexate WOS Thomson-Reuters și brevete de invenție indexate WOS-Derwent	Minimum 7, din care minimum 2 articole ca prim- autor și minimum 2 articole în reviste	<p>1. B. Virlan, A. Munteanu, L. Livadaru, A. Bobu, I. Ionut Nacu, A. Simion, "Dual Rotor Radial Flux Concentrated Wound Permanent Magnet Synchronous Machine with High Power Density," Advances in Electrical and Computer Engineering, vol.23, no.4, pp.41-50, 2023, doi:10.4316/AECE.2023.04005 . (Revista, prim autor)</p> <p>2. L. Livadaru, B. Virlan, A. Munteanu, A. Bobu, I. Nacu and A. Simion, "Outer Rotor PM Synchronous Generator for Household Wind Power Generation Comparative study upon structural solution," 2019 International Conference on Electromechanical and Energy Systems (SIEMEN), Craiova, Romania, 2019, pp. 1-6, doi: 10.1109/SIEMEN.2019.8905869.</p> <p>3. A. Munteanu, L. Livadaru, B. Virlan, A. Simion and I. Nacu, "Magnetic Circuit Segmentation Effect on a Permanent Magnet Fractional Slot Synchronous Generator," 2018 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, Romania, 2018, pp. 0797-0801, doi: 10.1109/ICEPE.2018.8559638.</p> <p>4. I. Nacu, A. Munteanu, H. Heireche, B. Virlan and B. Anghel, "Thermal Analysis of a Low Speed Permanent Magnet Synchronous Generator for Wind Turbine Applications," 2018 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, Romania, 2018, pp. 0906-0909, doi: 10.1109/ICEPE.2018.8559756.</p> <p>5. B. Virlan, A. Simion, A. Munteanu, I. Nacu and L. Livadaru, "Fractional Slot Permanent Magnet Synchronous Generator for Vertical Axis Wind Turbines," 2018 International Conference and Exposition on Electrical And Power Engineering</p>	25+20*0.7/6=27.33
				20/6=3.33
				20/5=4
				20/5=4
				20/5=4

			(EPE), Iasi, Romania, 2018, pp. 0987-0991, doi: 10.1109/ICEPE.2018.8559650.	
			6. A. Munteanu, A. Bobu, L. Livadaru, B. Virlan and I. Nacu, "Low Speed Permanent Magnet Synchronous Generator for Wind Turbines Applications," 2018 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, Romania, 2018, pp. 0802-0805, doi: 10.1109/ICEPE.2018.8559640.	20/5=4
			7. L. Livadaru, A. Bobu, A. Munteanu, B. Virlan and A. Simion, "FEM-based analysis on the operation of three-phase induction motor connected to six-phase supply system: Part 2 — Study on fault-tolerance capability," 2017 International Conference on Electromechanical and Power Systems (SIELMEN), Iasi, Romania, 2017, pp. 125-130, doi: 10.1109/SIELMEN.2017.8123311.	20/5=4
			8. L. Livadaru, A. Bobu, A. Munteanu, B. Virlan and A. Simion, "FEM-based analysis on the operation of three-phase induction motor connected to six-phase supply system: Part 1 — Operation under healthy conditions," 2017 International Conference on Electromechanical and Power Systems (SIELMEN), Iasi, Romania, 2017, pp. 119-124, doi: 10.1109/SIELMEN.2017.8123310.	20/5=4
			9. B. Virlan, A. Munteanu, L. Livadaru, A. Simion and I. Nacu, "Pole magnets segmentation effect on permanent magnet synchronous generators," 2017 International Conference on Electromechanical and Power Systems (SIELMEN), Iasi, Romania, 2017, pp. 163-168, doi: 10.1109/SIELMEN.2017.8123318.	20/5=4

				10. A. Munteanu, B. Virlan , L. Livadaru and A. Simion, "Five phase permanent magnet synchronous generator distributed winding to fractional slot concentrated winding," 2017 International Conference on Electromechanical and Power Systems (SIELMEN), Iasi, Romania, 2017, pp. 151-156, doi: 10.1109/SIELMEN.2017.8123316	20/4=5
				11. M. S. Bodea, A. Simion, L. Livadaru, A. Munteanu, B. Virlan and B. Anghel, "Fractional slot permanent magnet machine with outer rotor," 2016 International Conference and Exposition on Electrical and Power Engineering (EPE), Iasi, 2016, pp. 256-260, doi: 10.1109/ICEPE.2016.7781343	20/6=3.33
				12. A. Munteanu, L. Livadaru, A. Simion and B. Virlan , "Single-tooth winding induction motor with external rotor for electric vehicle applications," 2016 International Conference and Exposition on Electrical and Power Engineering (EPE), Iasi, Romania, 2016, pp. 209-212, doi: 10.1109/ICEPE.2016.7781334	20/4=5
				13. A. Munteanu, L. Livadaru, A. Simion, B. Virlan and A. -M. Crauciuc, "An efficient approach for 3D toroidal transformers simulation," 2016 International Conference and Exposition on Electrical and Power Engineering (EPE), Iasi, Romania, 2016, pp. 277-280, doi: 10.1109/ICEPE.2016.7781347.	20/5=4
				14. M. Bodea, A. Simion, L. Livadaru, A. Munteanu and B. Virlan , "Comparative finite element analysis of two PM fractional slot machines with 9/8 and 9/10 structure," 2016 IEEE International Power Electronics and Motion Control Conference (PEMC), Varna, Bulgaria, 2016, pp. 545-550, doi: 10.1109/EPEPMC.2016.7752054	20/5=4

			15. L. Livadaru, A. Munteanu, A. Simion, B. Virilan, S. Benelghali, "Study on the Fault-Tolerance Concept of the Five-Phase Permanent Magnet Synchronous Generator," Advances in Electrical and Computer Engineering, vol.14, no.2, pp.77-84, 2014, doi:10.4316/AECE.2014.02013 (Revista)	25+20*0.7/5=27,8
			16. Induction Motor with Outer Rotor and Ring Stator Winding for Multispeed Applications, B. Virilan, S. Benelghali, Al. Simion, L. Livadaru, R. Outbib, A. Munteanu, , IEEE Transactions on Energy Conversion, Vol. 28, No. 4, December 2013, p. 999-1007, ISSN 0885-8969. (Revista, prim autor)	25+20*5/6=41,66
			17. A. Munteanu, A. Simian, L. Livadaru, B. Virilan and M. Şandru, "Three phase squirrel-cage induction motor optimization using finit element method," 2012 International Conference and Exposition on Electrical and Power Engineering, Iasi, Romania, 2012, pp. 464-467, doi: 10.1109/ICEPE.2012.6463888	20/5=4
			18. B. Virilan, S. Benelghali, A. Munteanu, A. Simion and R. Outbib, "Multi-speed induction motor for direct drive applications," 2012 XXth International Conference on Electrical Machines, Marseille, France, 2012, pp. 1928-1934, doi: 10.1109/ICEIMach.2012.6350145.	20/5=4
			19. B. Virilan, A. Simion, L. Livadaru, S. Benelghali and R. Outbib, "Analysis of a three phase induction motor with outer rotor for multi-speed applications," 2012 XXth International Conference on Electrical Machines, Marseille, France, 2012, pp. 411-417, doi: 10.1109/ICEIMach.2012.6349900.	20/5=4
			20. Virilan, B; Livadaru, L; Simion, A., ; Munteanu, A; Mihai, AM, DESIGN AND FEM SIMULATION OF A FRACTIONAL POWER THREE-PHASE INDUCTION MOTOR FOR OIL-SUBMERGED APPLICATIONS,	20/5=4

			25th European Conference on Modeling and Simulation (ECMS 2011), 2011, pp.181-187	Total articole ISI	165,45
			Articole în reviste și în volumele unor manifestări științifice indexate BDI - 19		20/nr. de autori
		2.2.1 Conferențiar/CS II: minimum 15 articole din care minimum 2 în reviste	1. A. Munteanu, B. Virlan, L. Livadaru, I. Nacu, I. Nastas and A. Simion, "Numerical Analysis of a Fractional Slot Concentrated Winding Synchronous Machine with Series Hybrid Excitation," 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEI), Iasi, Romania, 2024, pp. 199-202, doi: 10.1109/EPEI63510.2024.10758173.		20/6=3.33
			2. . -M. Dobos, A. Munteanu, B. Virlan, I. Nacu, L. Livadaru and A. Simion, "A Study on a Linear Actuator for the Electromagnetic Aircraft Launch System," 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEI), Iasi, Romania, 2024, pp. 676-680, doi: 10.1109/EPEI63510.2024.10758090.		20/6=3.33
			3. A. Vilcu, M. Pîslaru, I. Nacu, B. Virlan, Ș. E. Moșneguțu and I. V. Herghiligiu, "Design of a Single-Phase Asynchronous Motor Prototype by Overlaying the Value Analysis Method on Dynamic Simulation," 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEI), Iasi, Romania, 2024, pp. 670-675, doi: 10.1109/EPEI63510.2024.10758111.		20/4=3.33
			4. M. -E. Anton, A. Munteanu, B. Virlan, A. Simion, I. Nacu and L. Livadaru, "The Study of Influence of Rotor Flux Barriers on Electromagnetic Performance of Interior Permanent Magnet Synchronous Machine (IPMSM)." 2024 IEEE		20/6=3.33

			<p><i>International Conference And Exposition On Electric And Power Engineering (EPEI), Iasi, Romania, 2024, pp. 547-550, doi: 10.1109/EPEI63510.2024.10758153.</i></p>	
			<p>5. B. Virlan, A. Munteanu, I. -M. Dobos, I. Nacu, L. Livadaru and A. Simion, "A Study Regarding the Rotor Configuration of a High-power Density PMSM for Formula Student Race Car," 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEI), Iasi, Romania, 2024, pp. 291-296, doi: 10.1109/EPEI63510.2024.10758116.</p>	20/6=3.33
			<p>6. I. Nastas, B. Virlan, A. Munteanu, A. Simion, L. Livadaru and I. Nacu, "A Study of a Fractional Slot Concentrated Wound Permanent Magnet Synchronous Motor with Grain Oriented Electric Steel Lamination for Modular Stator Geometry," 2023 International Conference on Electromechanical and Energy Systems (SIELMEN), Craiova, Romania, 2023, pp. 1-5, doi: 10.1109/SIELMEN59038.2023.10290811.</p>	20/6=3.33
			<p>7. 2L. Livadaru, B. Virlan, A. Munteanu, I. Nacu, A. Simion and I. Nastas, "Magnetic Circuit Segmentation Effects on Fractional Slot Concentrated Winding Synchronous Machine with Grain Oriented Electric Steel," 2023 International Conference on Electromechanical and Energy Systems (SIELMEN), Craiova, Romania, 2023, pp. 1-4, doi: 10.1109/SIELMEN59038.2023.10290784.</p>	20/6=3.33
			<p>8. A. Munteanu, B. Virlan, L. Livadaru, I. Nacu, I. Nastas and A. -M. Dumitrescu, "Numerical Analysis and Experimental Validation of a Series Hybrid Excitation Synchronous Machine," 2023 International Conference on Electromechanical and</p>	20/6=3.33

		Energy Systems (SIELMEN), Craiova, Romania, 2023, pp. 1-6, doi: 10.1109/SIELMEN59038.2023.10290755	
		9. B. Virlian, L. Livadaru, A. Munteanu, I. Nacu, I. Nastas and A. Simion, "Comparative Analysis Between Distributed and Fractional Slot Concentrated Winding of a Wound Rotor Synchronous Machine," 2023 International Conference on Electromechanical and Energy Systems (SIELMEN), Craiova, Romania, 2023, pp. 1-4, doi: 10.1109/SIELMEN59038.2023.10290796.	20/6=3.33
		10. N. Ion, M. Adrian, V. Bogdan, S. Alecsandru, L. Leonard and N. Ionut, "Comparative Analysis of Fractional Slot Concentrated Wound Permanent Magnet Synchronous Machines with Different Stator Grain Oriented Electric Steel Lamination Topologies," 2022 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, Romania, 2022, pp. 605-609, doi: 10.1109/EPE56121.2022.9959788.	20/6=3.33
		11. V. Bogdan, S. Alecsandru, M. Adrian, L. Leonard and N. Ionut, "Comparative Analysis of Distributed Winding and Fractional Slot Winding on High Power Synchronous Hydro-Generators," 2022 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, Romania, 2022, pp. 388-392, doi: 10.1109/EPE56121.2022.9959836.	20/5=4
		12. V. Bogdan, M. Adrian, L. Leonard, B. Alexandra, S. Alecsandru and N. Ionut, "Design and Optimization of a BLDC Motor for Small Power Vehicles," 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), Iasi, Romania, 2021, pp. 438-443, doi: 10.1109/SIELMEN53755.2021.9600327	20/6=3.33

		13. A. Munteanu, I. Nastas, A. Simion, L. Livadaru, B. Virlan and I. Nacu, "A New Topology of Fractional-Slot Concentrated Wound Permanent Magnet Synchronous Motor with Grain-Oriented Electric Steel for Stator Laminations," 2021 International Conference on Electromechanical and Energy Systems (SIEMEN), Iasi, Romania, 2021, pp. 349-352, doi: 10.1109/SIEMEN53755.2021.9600382	20/6=3.33
		14. A. Munteanu, A. Bobu, L. Livadaru, B. Virlan and I. Nacu, "Study of a Fractional Slot Concentrated Winding Double Rotor Permanent Magnet Synchronous Motor for In-Wheel Direct-Drive Applications," 2020 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, Romania, 2020, pp. 360-364, doi: 10.1109/EPE50722.2020.9305661.	20/5=4
		15. V. Bogdan, M. Adrian, N. Ionut, P. Adrian-Cosmin and D. Mihai-Catalin, "Comparative Analysis of Two Permanent Magnet Fractional Slots Synchronous Generators with Different Number of Phases 15 slots /16 magnets three-phase generator to 15 slots/18 magnets five-phase generator : 15 slots /16 magnets three-phase generator to 15 slots/18 magnets five-phase generator," 2020 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, Romania, 2020, pp. 525-529, doi: 10.1109/EPE50722.2020.9305537.	20/5=4
		16. A. Bobu, A. Munteanu, L. Livadaru, A. Simion and B. Virlan, "Comparative Study of an External Rotor Permanent Magnet Synchronous Generator with Fractional Slot Concentrated Winding and Different Number of Pole Pairs for Wind Energy Applications," 2020 International Conference and Exposition on Electrical And Power Engineering	20/5=4

			(EPE), Iasi, Romania, 2020, pp. 365-369, doi: 10.1109/EPE50722.2020.9305650.	
			17. A. Munteanu, L. Livadaru, Al. Simion, B. Virlan, B. Anghel, Influence of the Stator Winding on the Performance of a five-Phase PMSG , Buletin AGIR nr.4/2013, p. 195-199, ISSN-L 1224-7928. (Revistă)	20/5=4
			18. Bogdan Virlan , Alecsandru Simion, Leonard Livadaru, Adrian Munteanu, Ana-Maria Mihai, Sorin Vlasceanu, External rotor shape estimation of an induction motor by fem analysis , Buletinul AGIR, Inginerie Electrică și Conversoare Energetice, An XVI, nr.4/2011 ca urmare a participării la „Al 4-lea Simpozionul Internațional de Inginerie Electrică și Conversoare Energetice” „ELS 2011”, Suceava, România. ISSN-L 1224-7928, Online: ISSN 2247-3548., pp: 27-32, 6 pg. (Revistă)	20/6=3.33
			19. Ana-Maria Mihai, Alecsandru Simion, Leonard Livadaru, Bogdan Virlan , Adrian Munteanu, Sorin Vlasceanu, Novel core design for performance of the induction machines , Buletinul AGIR, Inginerie Electrică și Conversoare Energetice, An XVI, nr.4/2011 ca urmar. a participării la „Al 4-lea Simpozionul Internațional de Inginerie Electrică și Conversoare Energetice” „ELS 2011”, Suceava, România. ISSN-L 1224-7928, Online: ISSN 2247-3548., pp: 23-26, 4 pg. (Revistă)	20/6=3.33
			Total articole BDI	66.62
	2.4 Granturi / proiecte câștigate prin competiție națională/internațională, (4)	2.4.1 Minimum 1 pentru Conferențiar/ CSII	2.4.1.1. internaționale	10*ani de desfășurare 10x1,25=12,5
			2.4.1.2 naționale - 2	
			1. Dezvoltarea și producerea generatorului cu rotor exterior și flux radial antrenat de o turbină eoliană cu ax vertical octombrie 2017 – ianuarie 2019 , Proiect finanțat prin: Programul Operațional	

			Competitivitate 2014 – 2020, Axa 1 – Cercetare, dezvoltare tehnologică și inovare (CDI) în sprijinul competitivității economice și dezvoltării afacerilor, Acțiunea 1.2.1: Stimularea cererii întreprinderilor pentru inovare prin proiecte de CDI derulate de întreprinderi individual sau în parteneriat cu institutele de CD si universități. Nr. contract de finanțare: 18/Axa1/1.2.1C/04.10.2017		
			2. Generator electric cu eficiență ridicată în construcție modulară realizat prin procedee tehnologice avansate – gepta iunie 2023 – decembrie 2023 , Proiect finanțat prin: Programul Operațional Regional 2014 – 2020, Axa 1 – Promovarea transferului tehnologic, Operațiunea 1.2: Creșterea inovării în companii prin sprijinirea abordărilor multisectoriale rezultate în urma implementării „Inițiativei Regiuni mai puțin dezvoltate” în România, Dezvoltarea unui model conceptual inovativ (Proof-of-Concept). Nr. contract de finanțare: 8091		10x0,5=5
				Total director de proiect	17,5
3	Recunoașterea și impactul activității (A₃)	3.1 Citări în revistele WOS și volumele conferințelor WOS⁽⁵⁾	3.1.2 Conferențiar: minimum 7 citări	Citări în WOS - 51	5/nr. autori ai articolului citat
				1. Induction Motor with Outer Rotor and Ring Stator Winding for Multispeed Applications, B. Virlan, S. Benelghali, Al. Simion, L. Livadaru, R. Outbib, A. Munteanu, , IEEE Transactions on Energy Conversion, Vol. 28, No. 4, December 2013, p. 999-1007, ISSN 0885-8969. (Revista, prim autor) 1. Design Optimization, Prototyping, and Performance Evaluation of a Low-Speed Linear Induction Motor With Toroidal Winding. Pourmoosa, Ali A.; Mirsalim, Mojtaba IEEE TRANSACTIONS ON ENERGY CONVERSION, DEC 2015, Volume 30, Issue 4, pg. 1546-1555, DOI: 10.1109/TEC.2015.2457397	
					5/6=0.83

				<p>2. Research on Permanent Magnet Linear Synchronous Motors With Ring Windings for Electromagnetic Launch System, Zhang, Zijiao; Zhou, Haibo; Duan, Ji-an; Kou, Baoquan, IEEE TRANSACTIONS ON PLASMA SCIENCE JUL 2017, Volume 45, Issue 7, pg: 1161 -1167, DOI: 10.1109/TPS.2017.2699286</p>	5/6=0.83
				<p>3. Critical Review of Direct-Drive Electrical Machine Systems for Electric and Hybrid Electric Vehicles, Cai, Shun; Kirtley Jr, James L.; Lee, Christopher H. T., IEEE TRANSACTIONS ON ENERGY CONVERSION, DEC 2022, Volume 37, Issue 4, pg. 2657-2668 10.1109/TEC.2022.3197351</p>	5/6=0.83
				<p>4. Comparative Analysis of Flux Reversal Permanent Magnet Machines With Toroidal and Concentrated Windings, Li, Huayang; Zhu, Z. Q.; Hua, Hao, IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, JUL 2020 Volume 67, Issue 7, pg. 5278- 5290, DOI: 10.1109/TIE.2019.2934064</p>	5/6=0.83
				<p>5. Design and Analysis of a New Ring Winding Structure for Permanent Magnet Linear Synchronous Motors, Zhang, Zijiao; Zhou, Haibo; Duan, Ji'an; Kou, Baoquan, IEEE TRANSACTIONS ON PLASMA SCIENCE, DEC 2016 Volume 44, Issue 12, pg. 3311-3321, DOI: 10.1109/TPS.2016.2616908</p>	5/6=0.83
				<p>6. DC and AC Current Transport Characteristics of the HTS Stator Coils in an HTS Induction/Synchronous Motor, Ikeda, Kenichi; Nakamura, Taketsune; Karashima, Tomoharu; Nishino, Ryohei; Yoshikawa, Masaaki; Itoh, Yoshitaka; Terazawa, Toshihisa, IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY, APR 2018,</p>	5/6=0.83

			Volume 28, Issue 3, Article number: 5204005, DOI: 10.1109/TASC.2018.2799599	
			<p>7. In-Wheel Motor Drive Systems for Electric Vehicles: State of the Art, Challenges, and Future Trends, Deepak, Kritika; Frikha, Mohamed Amine; Benomar, Yassine; El Baghdadi, Mohamed; Hegazy, Omar, ENERGIES, APR 2023, Volume 16, Issue 7, Article 3121, DOI: 10.3390/en16073121</p> <p>8. Influence of Slot Number on Electromagnetic Performance of 2-pole High-Speed Permanent Magnet Motors With Toroidal Windings, Xu, Fan; He, Tianran; Zhu, Z. Q.; Wang, Yu; Cai, Shun; Bin, Hong; Wu, Di; Gong, Liming; Chen, Jintao, IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, NOV 2021, Volume 57, Issue 6, pg. 6023-6033, DOI:10.1109/TIA.2021.3117739</p> <p>9. Improved Design of an Outer Rotor Six-Phase Induction Motor With Variable Turn Pseudo-Concentrated Windings Rezazadeh, Ghasem; Tahami, Farzad; Capolino, Gerard-Andre; Nasiri-Gheidari, Zahra; Henao, Humberto; Sahebazamani, Mehdi, IEEE TRANSACTIONS ON ENERGY CONVERSION, JUN 2022, Volume 37, Issue 2, pg.1020-1029, DOI: 10.1109/TEC.2021.3126538</p> <p>10. Nine-phase six-terminal pole-amplitude modulated induction motor for electric vehicle applications, Abdel-Khalik, Ayman S.; Massoud, Ahmed; Ahmed, Shehab IET, ELECTRIC POWER -APPLICATIONS, NOV 2019, Volume 13, Issue 11, pg. 1696-1707, DOI: 10.1049/iet-epa.2018.5796</p> <p>11. Design and Development of Capacitor Run Split-Phase Fan Motor for Higher Efficacy, Sharma, Utkarsh; Singh, Bhim, IEEE TRANSACTIONS ON</p>	5/6=0.83
				5/6=0.83
				5/6=0.83
				5/6=0.83

			INDUSTRY APPLICATIONS, NOV 2021, Volume 57, Issue 6, pg. 5939-5948, DOI:10.1109/TIA.2021.3111548	
			12. Influence Analysis of Structural Parameters on the Performance of 120° Phase Belts Toroidal Winding Solid Rotor Induction Motor , Chen, Shaofeng; Han, Yaofei; Ma, Zhixun; Chen, Guozhen; Xu, Shuai; Si, Jikai, ENERGIES, OCT 2020, Volume 13, Issue 20, Article Number 5387, DOI:10.3390/en13205387	5/6=0.83
			13. Equivalent Circuit Model of Novel Solid Rotor Induction Motor with Toroidal Winding Applying Composite Multilayer Theory , Feng, Haichao; Cui, Xu; Si, Jikai; Gao, Caixia; Hu, Yihua, APPLIED SCIENCES-BASEL, AUG 2019, Volume 9, Issue 16, Article number 3288, DOI:10.3390/app9163288	5/6=0.83
			14. Analysis and Suppression of Cross-Coupling Demagnetization in Dual Permanent Magnet Machine for Direct-Drive Application , Cai, Shun; Li, Yanxin; Chen, Hao; Yuan, Xin; Lee, Christopher H. T, IEEE TRANSACTIONS ON TRANSPORTATION ELECTRIFICATION, MAR 2023, Volume 9, Issue 1, pg. 474-487, DOI: 10.1109/TTE.2022.3185030	5/6=0.83
			15. For different industrial applications: Outer rotor and low speed induction machine design , Celik, Hakan; Cetin, Numan Sabit , JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, 2023, Volume 38, Issue 4, pg. 2009-2023, DOI:10.17341/gazimmfd.937127	5/6=0.83
			16. External rotor permanent magnet-less electric motors for traction application: a review , Nandagopal, Sathyanarayanan; Chokkalingam, Lenin Natesan, INTERNATIONAL JOURNAL OF	5/6=0.83

			VEHICLE DESIGN, 2022, Volume 90, Issue 1-4, pg. 142-195, DOI: 10.1504/IJVD.2022.129172	
			17. Design and Analysis of a Trilateral Permanent Magnet Linear Synchronous Motor with Slotless Ring Windings for Transport Systems , Zhang, ZJ (Zhang, Zi-jiao); Luo, MZ (Luo, Mei-zhu); Kou, BQ (Kou, Bao-quan); Luo, CQ (Luo, Chao-qun), 13th IEEE Vehicle Power and Propulsion Conference (VPPC), 2016 IEEE VEHICLE POWER AND PROPULSION CONFERENCE (VPPC).	5/6=0.83
			2. I. Nacu, A. Munteanu, H. Heireche, B. Virlan and B. Anghel, " Thermal Analysis of a Low Speed Permanent Magnet Synchronous Generator for Wind Turbine Applications ," 2018 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, Romania, 2018, pp. 0906-0909, doi: 10.1109/ICEPE.2018.8559756.	
			18. An overview of thermal modelling techniques for permanent magnet machines , Khaledidoost, Sina; Faiz, Jawad; Mazaheri-Tehrani, Ehsan IET SCIENCE MEASUREMENT & TECHNOLOGY, JUN 2022, Volume: 16, Issue 4, pg. 219-241, DOI: 10.1049/smt2.12099	5/5=1
			19. Thermal Analysis for Improving the Design of Radial Flux Permanent Magnet Synchronous Generators , Sanchez-Carvajal, Rafael; Iracheta-Cortez, Reynaldo; Hernandez-Mayoral, Emmanuel; Flores-Guzman, Norberto, IEEE LATIN AMERICA TRANSACTIONS, MAY 2023, Volume 21, Issue 5, pg.671-680, DOI:10.1109/TLA.2023.10130839	5/5=1
			3. B. Virlan , A. Simion, A. Munteanu, I. Nacu and L. Livadaru, " Fractional Slot Permanent Magnet Synchronous Generator for Vertical Axis Wind Turbines ," 2018 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, Romania, 2018, pp. 0987-0991, doi: 10.1109/ICEPE.2018.8559650.	

			<p>20. Green touch for hydrogen production via alkaline electrolysis: The semi-flexible PV panels mounted wind turbine design, production and performance analysis, Demirdelen, Tugce; Ekinci, Firat; Mert, Basak Dogru; Karasu, Ilyas; Tumay, Mehmet, INTERNATIONAL JOURNAL OF HYDROGEN ENERGY APR 1 2020, Volume 45, Issue 18, pg. 10680-10695, DOI: 10.1016/j.ijhydene.2020.02.007</p>	5/5=1
			<p>21. Analyzing the Power Quality of a RF-PMSG by Considering Different Types of Windings, Ortiz-Garcia, E.; Iracheta-Cortez, R., 2019 IEEE 39TH CENTRAL AMERICA AND PANAMA CONVENTION (CONCAPAN XXXIX), 2019, pg. 295-300, 39th IEEE Central America and Panama Convention (IEEE CONCAPAN), NOV 19-22, 2019</p> <p>4. L. Livadaru, A. Bobu, A. Munteanu, B. Virlan and A. Simion, "FEM-based analysis on the operation of three-phase induction motor connected to six-phase supply system: Part 1 — Operation under healthy conditions," 2017 International Conference on Electromechanical and Power Systems (SIELMEN), Iasi, Romania, 2017, pp. 119-124, doi: 10.1109/SIELMEN.2017.8123310</p>	5/5=1
			<p>22. Voice as a Design Material: Sociophonetic Inspired Design Strategies in Human-Computer Interaction, Sutton, Selina Jeanne; Foulkes, Paul; Kirk, David; Lawson, Shaun CHI 2019: PROCEEDINGS OF THE 2019 CHI CONFERENCE ON HUMAN FACTORS IN COMPUTING SYSTEMS 2019, 2019, DOI: 10.1145/3290605.3300833, CHI Conference on Human Factors in Computing Systems (CHI), MAY 04-09, 2019</p>	5/5=1
			<p>23. Design Space for Voice-Based Professional Reporting, Hakulinen, Jaakko; Keskinen, Tuuli; Turunen, Markku; Siltanen, Sanni, MULTIMODAL TECHNOLOGIES AND INTERACTION, JAN</p>	5/5=1

			2021, Volume 5, Issue 1, Article number 3, DOI: 10.3390/mti5010003	
			24. Enclosure-less six-phase induction motor, Gwozdziwicz, Maciej; Kisielewski, Piotr, PRZEGLAD ELEKTROTECHNICZNY 2019, 2019, Volume 95, Issue 6, pg. 141-144, DOI: 10.15199/48.2019.06.26	5/5=1
			5. L. Livadaru, A. Bobu, A. Munteanu, B. Virlan and A. Simion, "FEM-based analysis on the operation of three-phase induction motor connected to six-phase supply system: Part 2 — Study on fault-tolerance capability," 2017 International Conference on Electromechanical and Power Systems (SIELMEN), Iasi, Romania, 2017, pp. 125-130, doi: 10.1109/SIELMEN.2017.8123311.	
			25. Investigating the Dynamic Behaviour of a Six-Phase Induction Motor under Unbalanced Faults, Okpo, Ekom E.; Okoro, Ogbonnaya, I; Awah, Chukwuemeka C.; Akuru, Udochukwu B. 2020 IEEE PES & IAS POWERAFRICA CONFERENCE, 2020 7th Annual IEEE PES/IAS PowerAfrica Conference (PAC) - Sustainable and Smart Energy Revolutions for Powering Africa AUG 25-28.	5/5=1
			26. Enclosure-less six-phase induction motor, Gwozdziwicz, Maciej; Kisielewski, Piotr, PRZEGLAD ELEKTROTECHNICZNY 2019, 2019, Volume 95, Issue 6, pg. 141-144, DOI: 10.15199/48.2019.06.26	5/5=1
			6. M. Bodea, A. Simion, L. Livadaru, A. Munteanu and B. Virlan, "Comparative finite element analysis of two PM fractional slot machines with 9/8 and 9/10 structure," 2016 IEEE International Power Electronics and Motion Control Conference (PEMC), Varna, Bulgaria, 2016, pp. 545-550, doi: 10.1109/EPEPEMC.2016.7752054	
			27. Investigation and comparison of the flux-switching permanent magnet machine and FSCW surface-mounted permanent magnet machine with close pole-pair number, Zheng, Jigui; Guo, Xibin;	5/5=1

				Tao, Yunfei; Zhang, Gan; Huang, Yuping; Guo, Yaxing, INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, FEB 2023, Volume 124, pg. 4511-4522, DOI:10.1007/s00170-022-10163-w	
				7. A. Munteanu, L. Livadaru, A. Simion and B. Vîrlan, "Single-tooth winding induction motor with external rotor for electric vehicle applications," 2016 International Conference and Exposition on Electrical and Power Engineering (EPE), Iasi, Romania, 2016, pp. 209-212, doi: 10.1109/ICEPE.2016.7781334	
				28. Improvement of Concentrated Winding Layouts for Six-Phase Squirrel Cage Induction Motors, Rezazadeh, Ghasem; Tahami, Farzad; Capolino, Gerard-Andre; Vaschetto, Silvio; Nasiri-Gheidari, Zahra; Henao, Humberto, IEEE TRANSACTIONS ON ENERGY CONVERSION, DEC 2020, Volume 35, Issue 4, pg. 1727-1735, DOI: 10.1109/TEC.2020.2995433	5/4=1,25
				29. Analysis of Six-Phase Induction Motor with Distributed and Concentrated Windings by Using the Winding Function Method, Rezazadeh, G.; Vaschetto, S.; Tahami, F.; Capolino, G. A.; Henao, H.; Nasiri-Gheidari, Z., 2018 XIII INTERNATIONAL CONFERENCE ON ELECTRICAL MACHINES (ICEM) 2018, pg.2423-2429,13th International Conference on Electrical Machines (ICEM), SEP 03-06, 2018	5/4=1,25
				30. Design of a Six-Phase Squirrel Cage Induction Motor with Pseudo-Concentrated Windings, Rezazadeh, Ghasem; Tahami, Farzad; Capolino, Gerard-Andre; Nasiri-Gheidari, Zahra; Henan, Humberto; Yazidi, Amine; Sahcbazamani, Mchdi,	5/4=1,25

			2020 INTERNATIONAL CONFERENCE ON ELECTRICAL MACHINES (ICEM), VOL 1, 2020, pg. 2097-2103, DOI:10.1109/icem49940.2020.9270682, 24th International Conference on Electrical Machines (ICEM) AUG 23-27, 2020	
			31. For different industrial applications: Outer rotor and low speed induction machine design, Celik, Hakan; Cetin, Numan Sabit, JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, 2023, Volume 38, Issue 4, 2009, 2023, DOI:10.17341/gazimmfd.937127	5/4=1,25
			32. External rotor permanent magnet-less electric motors for traction application: a review, Nandagopal, Sathyanarayanan; Chokkalingam, Lenin Natesan, INTERNATIONAL JOURNAL OF VEHICLE DESIGN, 2022, Volume 90, Issue 1-4, pg. 142-195, DOI:10.1504/IJVD.2022.129172	5/4=1,25
			8. A. Munteanu, L. Livadaru, A. Simion, B. Virvan and A. -M. Crauciuc, "An efficient approach for 3D toroidal transformers simulation," 2016 International Conference and Exposition on Electrical and Power Engineering (EPE), Iasi, Romania, 2016, pp. 277-280, doi: 10.1109/ICEPE.2016.7781347	
			33. Optimal Dielectric Design of Medium Voltage Toroidal Transformer With Electrostatic Shield Under Fast Front Excitation, Hussain, Mohammed Khalil; Gomez, Pablo, IEEE TRANSACTIONS ON POWER DELIVERY, APR 2023, Volume 38, Issue 2, pg. 1395-1405, DOI:10.1109/TPWRD.2022.3214101	5/5=1
			34. RESEARCHES CONCERNING THE USE OF FEED INGREDIENTS TO REDUCE GREENHOUSE GAS EMISSIONS IN DAIRY COWS FARMS	5/5=1

			Marin, Monica; Vidu, Livia; Dinita, Georgeta; Pogurschi, Elena; Popa, Dana; Tudorache, Minodora; Custura, Ioan, SCIENTIFIC PAPERS-SERIES D-ANIMAL SCIENCE, 2020, Volume 63, Issue 2, pg. 253- 259.	
			35. Loading three phased transformer following the quadergy, Spunei, E.; Piroi, I; Piroi, F. Lemle, LD INTERNATIONAL CONFERENCE ON APPLIED SCIENCES 2019, article number 477, DOI: 10.1088/1757-899X/477/1/012018, International Conference on Applied Sciences (ICAS), MAY 09-11, 2018	5/5=1
			9. L. Livadaru, A. Munteanu, A. Simion, B. Virlan, S. Benelghali, "Study on the Fault-Tolerance Concept of the Five-Phase Permanent Magnet Synchronous Generator," Advances in Electrical and Computer Engineering, vol.14, no.2, pp.77-84, 2014, doi:10.4316/AECE.2014.02013	
			36. Control of five-phase PMSM for electric vehicle application, Hezzi, Abir; Ben Elghali, Seifeddine; Ben Salem, Yemna; Abdelkrim, Mohamed Naceur, 2017, 18TH INTERNATIONAL CONFERENCE ON SCIENCES AND TECHNIQUES OF AUTOMATIC CONTROL AND COMPUTER ENGINEERING (STA), pg. 205-211, 18th International Conference on Sciences and Techniques of Automatic Control and Computer Engineering (STA) DEC 21-23, 2017	5/5=1
			37. Determination of Operation Characteristics of a Synchronous Generator by Static Experimental Tests, Ilina, Ion-Daniel; Tudorache, Tiberiu, ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING, 2016, Volume 16, Issue 2, pg.93-100, DOI:10.4316/AECE.2016.02013	5/5=1
			38. Design and Performance Analysis of a Permanent Magnet Synchronous Generator Equipped with AC-DC Converter, Tudorache,	5/5=1

				<p>Tiberiu; Melcescu, Leonard; Florica, Dan, 2015 9TH INTERNATIONAL SYMPOSIUM ON ADVANCED TOPICS IN ELECTRICAL ENGINEERING (ATEE), 2015,pg. 244-249, 9th International Symposium on Advanced Topics in Electrical Engineering (ATEE), MAY 07-09, 2015</p>
				<p>10. A. Munteanu, A. Simian, L. Livadaru, B. Virlan and M. Şandru, "Three phase squirrel-cage induction motor optimization using finite element method," 2012 International Conference and Exposition on Electrical and Power Engineering, Iasi, Romania, 2012, pp. 464-467, doi: 10.1109/ICEPE.2012.6463888</p>
				<p>39. Numerical multi-objective optimization of a squirrel cage induction motor for industrial application, De Martin, Matteo; Luise, Fabio; Pieri, Stefano; Tessarolo, Alberto; Poloni, Carlo Ertan, HB 2015 INTL AEGEAN CONFERENCE ON ELECTRICAL MACHINES & POWER ELECTRONICS (ACEMP), 2015 INTL CONFERENCE ON OPTIMIZATION OF ELECTRICAL & ELECTRONIC EQUIPMENT (OPTIM) & 2015 INTL SYMPOSIUM ON ADVANCED ELECTROMECHANICAL MOTION SYSTEMS (ELECTROMOTION) 2015, pg. 170-175,</p>
				<p>5/5=1</p>
				<p>40. Optimization of slot permeance coefficient with average differential evolution algorithm for maximum torque values by minimizing reactances in induction machines, Yetgin, Asim Gokhan; Durmus, Burhanettin, AIN SHAMS ENGINEERING JOURNAL, SEP 2021, Volume 12, Issue 3, pg.2685-2693, DOI:10.1016/j.asej.2021.01.012</p>
				<p>5/5=1</p>
				<p>41. Analytical Modeling of Double Cage Rotor Induction Motors in Healthy and Broken Bars Conditions, Boughrara, Kamel; Ibtouen, Rachid,</p>
				<p>5/5=1</p>

			2014 INTERNATIONAL CONFERENCE ON ELECTRICAL SCIENCES AND TECHNOLOGIES IN MAGHREB (CISTEM), DEC 03-06, 2014	
			11. B. Virlan, A. Simion, L. Livadaru, S. Benelghali and R. Outbib, "Analysis of a three phase induction motor with outer rotor for multi-speed applications," 2012 XXth International Conference on Electrical Machines, Marseille, France, 2012, pp. 411-417, doi: 10.1109/ICEIMach.2012.6349900.	
			42. In-Wheel Motor Drive Systems for Electric Vehicles: State of the Art, Challenges, and Future Trends, Deepak, Kritika; Frikha, Mohamed Amine; Benomar, Yassine; El Baghdadi, Mohamed; Hegazy, Omar, ENERGIES, APR 2023, Volume 16, Issue 7, article number 3121, 10.3390/en16073121	5/5=1
			43. Design and Analysis of Advanced Nonoverlapping Winding Induction Machines for EV/HEV Applications, Gundogdu, Tayfun; Zhu, Zi-Qiang; Mipo, Jean-Claude, ENERGIES, OCT 2021, Volume 14, Issue 20, Article number 6849, 10.3390/en14206849	5/5=1
			44. External rotor permanent magnet-less electric motors for traction application: a review, Nandagopal, Sathyanarayanan; Chokkalingam, Lenin Natesan, INTERNATIONAL JOURNAL OF VEHICLE DESIGN, 2022, Volume 90, Issue 1-4, pg. 142-195, DOI:10.1504/IJVD.2022.129172	5/5=1
			12. B. Virlan, S. Benelghali, A. Munteanu, A. Simion and R. Outbib, "Multi-speed induction motor for direct drive applications," 2012 XXth International Conference on Electrical Machines, Marseille, France, 2012, pp. 1928-1934, doi: 10.1109/ICEIMach.2012.6350145.	
			45. In-Wheel Motor Drive Systems for Electric Vehicles: State of the Art, Challenges, and Future Trends, Deepak, Kritika; Frikha, Mohamed Amine; Benomar, Yassine; El Baghdadi, Mohamed; Hegazy,	5/5=1

		3.2 Citări în revistele BDI și volumele conferințelor BD ⁽⁵⁾	3.2.2 Conferințar: minimum 10 citări	26th International Conference on Electrical Machines and Systems (ICEMS). IEEE, 2023:	
				15. A. Bobu, A. Munteanu, L. Livadaru, A. Simion and B. Virlian, "Comparative Study of an External Rotor Permanent Magnet Synchronous Generator with Fractional Slot Concentrated Winding and Different Number of Pole Pairs for Wind Energy Applications," 2020 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, Romania, 2020, pp. 365-369, doi: 10.1109/EPE50722.2020.9305650.	5/5=1
				50. Wei, Yanqi, et al. "Comparative Analysis between Slotless Axial Flux Permanent Magnet Motor with Equidirectional Toroidal Winding and Integral-Slot Winding." IEEJ Transactions on Electrical and Electronic Engineering 17.12 (2022): 1790-1797.	
				16. V. Bogdan, M. Adrian, N. Ionut, P. Adrian-Cosmin and D. Mihai-Catalin, "Comparative Analysis of Two Permanent Magnet Fractional Slots Synchronous Generators with Different Number of Phases 15 slots /16 magnets three-phase generator to 15 slots/18 magnets five-phase generator : 15 slots /16 magnets three-phase generator to 15 slots/18 magnets five-phase generator," 2020 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, Romania, 2020, pp. 525-529, doi: 10.1109/EPE50722.2020.9305537.	5/5=1
				51. Rocha, Rodolfo V., and Renato M. Monaro. "Algorithm for Fast Detection of Stator Turn Faults in Variable-Speed Synchronous Generators." Energies 16.5 (2023): 2491.	
			Citări în BDI - 55	1. Induction Motor with Outer Rotor and Ring Stator Winding for Multispeed Applications, B. Virlian, S. Benelghali, Al. Simion, L. Livadaru, R. Outbib, A. Munteanu, , IEEE Transactions on Energy Conversion, Vol. 28, No. 4, December 2013, p. 999-1007, ISSN 0885-8969. (Revista, prim autor)	3/nr. autori ai articolului citat
				1. Ramprasath, E., P. Manojkumar, and P. Veena. "Induction motor analysis using labview."	3/5=0,6

			International Journal of Electrical and Computer Engineering 9.5 (2015): 1142-1145.	
			2. Ramprasath, E., and P. Manojkumar. "Modelling and analysis of induction motor using LabVIEW." International Journal of Power Electronics and Drive Systems 5.3 (2015): 344.	3/5=0,6
			3. Çelik, Hakan, and Numan Sabit Çetin. "Farklı endüstriyel uygulamalar için: Dış rotorlu ve düşük devirli asenkron makine tasarımı." Gazi Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi 38.4 (2023): 2009-2024.	3/5=0,6
			4. Xu, Fan. Investigation of high-speed permanent magnet motors with toroidal windings. Diss. University of Sheffield, 2022.	3/5=0,6
			5. Junge, Stefan, et al. "The screw-type electrothermomechanical converter as a source of multiphysical influence on the technological environment." Machinery & Energetics 14.3 (2023).	3/5=0,6
			6. Ahmed, Hamza. "A Comparative Study on Different Motors used in Electric Vehicles." Journal of Independent Studies and Research Computing 20.2 (2022).	3/5=0,6
			7. Samuel, I., et al. "The Prospects of Virtual Laboratories in Engineering Education across Africa-A Case Study in Electrical Engineering." Journal of Physics: Conference Series. Vol. 1299. No. 1. IOP Publishing, 2019.	3/5=0,6
			8. Ramprasath, E., P. Manojkumar, and P. Veena. "Induction motor characteristics study using laboratory instrument engineering workbench." TELKOMNIKA Indonesian Journal of Electrical Engineering 15.1 (2015): 63-70.	3/5=0,6
			2. B. Virlan, A. Simion, L. Livadaru, S. Benelghali and R. Outbib, "Analysis of a three phase induction motor with outer rotor for multi-speed applications," 2012 XXth International Conference on Electrical Machines,	

		Marseille, France, 2012, pp. 411-417, doi: 10.1109/ICEIMach.2012.6349900.	
		9. Gundogdu, Tayfun. Advanced non-overlapping winding induction machines for electrical vehicle applications. Diss. University of Sheffield, 2018.	3/5=0,6
		10. Dai, Mingyue, et al. "Design of a sandwiched flux switching permanent magnet machine with outer-rotor configuration." 2014 IEEE Conference and Expo Transportation Electrification Asia-Pacific (ITEC Asia-Pacific). IEEE, 2014.	3/5=0,6
		11. Kaduskar, Saurabh, et al. "Performance Analysis of Outer Rotor Induction Hub Motors for Electric Vehicles: An ANSYS-based Study." 2024 3rd International conference on Power Electronics and IoT Applications in Renewable Energy and its Control (PARC). IEEE, 2024.	3/5=0,6
		12. Canders, W-R., and H. Mosebach. "Multiphase machines with individual slot activation." Electrical Engineering 100.4 (2018): 2287-2297.	3/5=0,6
		13. Lambert, Tim. A novel approach to the design of an in-wheel semi-anhysteretic axial-flux switched-reluctance motor drive system for electric vehicles. Diss. University of Guelph, 2013.	3/5=0,6
		3. V. Bogdan, M. Adrian, L. Leonard, B. Alexandra, S. Alecsandru and N. Ionut, "Design and Optimization of a BLDC Motor for Small Power Vehicles," 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), Iasi, Romania, 2021, pp. 438-443, doi: 10.1109/SIELMEN53755.2021.9600327	
		14. Mohanraj, Deepak, et al. "A review of BLDC motor: state of art, advanced control techniques, and applications." IEEE Access 10 (2022): 54833-54869.	3/6=0,5
		15. Góra, Grzegorz, et al. "The Impact of Computational Accuracy on the Quality of Direct Drive Control." Electronics 13.6 (2024): 1052.	3/6=0,5

			16. Infantraj, A., et al. "Investigation of Various Laminating Materials for Interior Permanent Magnet Brushless DC Motor for Cooling Fan Application." CES Transactions on Electrical Machines and Systems 7.4 (2023): 422-429.	3/6=0,5
			17. Tripathy, Surya Narayan, et al. "Optimal design of a BLDC motor using African vulture optimization algorithm." e-Prime-Advances in Electrical Engineering, Electronics and Energy 7 (2024): 100499	3/6=0,5
			18. Annasaheb, Kardile Balasaheb, et al. "Simulation of Energy Dissipation in BLDC Motor and Analysis of Speed-Acoustic Characteristics." Journal of Advanced Research in Applied Mechanics 11.1 (2023): 38-61.	3/6=0,5
			19. Ajie, Irza Kusuma, et al. "Optimizing the Slot-Pole Combination of a 500 W Brushless DC Motor for Urban Electric Bicycle." 2023 4th International Conference on High Voltage Engineering and Power Systems (ICHVEPS). IEEE, 2023.	3/6=0,5
			20. Murgoci, Dragos, and Maricel Adam. "Aspects Regarding the Influence of the Supply Voltage on the Torque, Respectively the Efficiency of a Brushless DC Motor with Variable Geometry." 2023 10th International Conference on Modern Power Systems (MPS). IEEE, 2023.	3/6=0,5
			21. Ghena, Florentin, and Daniel Ghiculescu. "NONCONVENTIONAL POWER TOOLS: REAL-TIME THERMAL EXPANSION MONITORING FOR BRUSHLESS MOTORS." Nonconventional Technologies Review/Revista de Tehnologii Neconventionale 27.4 (2023).	3/6=0,5
			4. A. Munteanu, L. Livadaru, A. Simion and B. Virlan, "Single-tooth winding induction motor with external rotor for electric vehicle applications," 2016 International Conference and Exposition on Electrical and Power Engineering (EPE), Iasi, Romania, 2016, pp. 209-212, doi: 10.1109/ICEPE.2016.7781334	

			22. Çelik, Hakan, and Numan Sabit Çetin. "For different industrial applications: Outer rotor and low speed induction machine design." Journal of the Faculty of Engineering and Architecture of Gazi University 38.4 (2023): 2009-2023.	3/4=0,75
			23. Larkana, Sindh-Pakistan. "Electrical Motor Drive Technologies for Green Electric Vehicle: A Review." (2017).	3/4=0,75
			5. L. Livadaru, A. Bobu, A. Munteanu, B. Virlan and A. Simion, "FEM-based analysis on the operation of three-phase induction motor connected to six-phase supply system: Part 2 — Study on fault-tolerance capability," 2017 International Conference on Electromechanical and Power Systems (SIELMEN), Iasi, Romania, 2017, pp. 125-130, doi: 10.1109/SIELMEN.2017.8123311.	
			24. Oktianto, Muhammad Fiqri, et al. "ANALISA PENGARUH EFISIENSI MOTOR INDUKSI 3 FASA DENGAN DESAIN 6 FASA 3 MEDAN FLUKS." Ensiklopedia of Journal 5.3 (2023): 127-131.	3/5=0,6
			25.Zulmi, Vikri, et al. "PENINGKATAN EFISIENSI MOTOR INDUKSI 3 FASA DENGAN DESAIN 6 FASA 6 MEDAN FLUKS." Ensiklopedia of Journal 5.3 (2023): 136-139.	3/5=0,6
			26.Anthony, Zuriman, Sepannur Bandri, and Yusreni Warmi. "Analisa Pengaruh Desain 6 Kumparan Simetris pada Motor Induksi 3-fasa terhadap Efisiensi dan Faktor Daya Motor." Seminar Nasional Riset & Inovasi Teknologi. Vol. 1. No. 1. 2022.	3/5=0,6
			27. Febrian, Kiki, and Zuriman Anthony. "Studi Pengaruh Desain 6 Fasa Dengan 3 Medan Fluks Pada Motor Induksi 3 Fasa Terhadap Efisiensi Dan Faktor daya motor." Seminar Nasional Riset & Inovasi Teknologi. Vol. 1. No. 1. 2022.	3/5=0,6
			6. B. Virlan, A. Munteanu, L. Livadaru, A. Simion and I. Nacu, "Pole magnets segmentation effect on permanent magnet synchronous generators," 2017 International Conference on Electromechanical and	

			Power Systems (SIELMEN), Iasi, Romania, 2017, pp. 163-168, doi: 10.1109/SIELMEN.2017.8123318.
			28. Cardoso, Antonio J. Marques, and Evgenij Koptjaev. "Design of a brushless synchronous generator with an excitation winding located on the stator." 2022 International Conference on Industrial Engineering, Applications and Manufacturing (ICIEAM). IEEE, 2022.
			29. Baqaruzi, Syamsyarief, Afif Afrit Miranto, and Dede Wahyuda. "The Effect of Halbach Array Configuration on Permanent-Magnet Synchronous Generator (PMSG) Outer-Runner." International Journal of Engineering, Science and Information Technology 1.2 (2021): 16-23.
			30. Cardoso, Antonio J. Marques, Evgenij Popkov, and Evgenij Koptjaev. "Design of a wind turbines synchronous generator, with longitudinal excitation from permanent magnets." 2020 International Conference on Industrial Engineering, Applications and Manufacturing (ICIEAM). IEEE, 2020.
			31. Jabbari, A. "Semi-Analytical Modeling of Electromagnetic Performances in Magnet Segmented Spoke-Type Permanent Magnet Machine Considering Infinite and Finite Soft-Magnetic Material Permeability." Iranian Journal of Electrical & Electronic Engineering 17.1 (2021).
			32. Cardoso, Antonio J. Marques, and Evgenij Koptjaev. "Dynamic modes of a brushless doubly-fed generator for wind turbines." 2021 International Conference on Industrial Engineering, Applications and Manufacturing (ICIEAM). IEEE, 2021.
			7. A. Munteanu, L. Livadaru, A. Simion, B. Virlan and A. -M. Crauciuc, " An efficient approach for 3D toroidal transformers simulation ," 2016 International Conference and Exposition on Electrical and Power

			Engineering (EPE), Iasi, Romania, 2016, pp. 277-280, doi: 10.1109/ICEPE.2016.7781347
			33. Guardarrama, J. Ramos, H. A. Orestes, and PO Diaz Fustier. "Experimental verification of finite element model of a electric transformer." Conferencia Internacional sobre Tecnologia Aplicadas a las Redes Eléctricas Inteligentes (CITREI 2018). Havana: Cujae. 2018.
			8. A. Munteanu, A. Simian, L. Livadaru, B. Virlan and M. Şandru, "Three phase squirrel-cage induction motor optimization using finit element method," 2012 International Conference and Exposition on Electrical and Power Engineering, Iasi, Romania, 2012, pp. 464-467, doi: 10.1109/ICEPE.2012.6463888
			34. Aziz, Hiba Esam, Abdullah K. Shanshal, and Ahmed J. Ali. "Optimization of Induction Motor Rotor Bar Geometry Based on Genetic Algorithm." 2023 International Conference on Engineering, Science and Advanced Technology (ICESAT), IEEE, 2023.
			35. YETGIN, Asim Gökhan. "Performance Analysis of Double Cage Induction Motor with Broken Bar Faults in Outer Cage." Mehmet Akif Ersoy Üniversitesi Fen Bilimleri Enstitüsü Dergisi 11.2 (2020): 176-188.
			36. Iqbal, Mohd Afaq, and Vaibhav Agarwal. "Investigation & analysis of three phase induction motor using finite element method for power quality improvement." International Journal of Electronic and Electrical Engineering 7.9 (2014): 901-908.
			9. Bogdan Virlan, Alecsandru Simion, Leonard Livadaru, Adrian Munteanu, Ana-Maria Mihai, Sorin Vlasceanu, External rotor shape estimation of an induction motor by fem analysis,, Buletinul AGIR, Inginerie Electrică şi Convertoare Energetice, An XVI, nr.4/2011 ca urmare a participării la „AI 4-lea Simpozionul Internațional de Inginerie Electrică şi Convertoare Energetice” „ELS 2011”, Suceava, România. ISSN-L 1224-7928, Online: ISSN 2247-3548., pp: 27-32, 6 pg.

			37. Nandagopal, Sathyanarayanan, and Lenin Natesan Chokkalingam. "External rotor permanent magnet-less electric motors for traction application: a review." International Journal of Vehicle Design 90.1-4 (2022): 142-195.	3/6=0,5
			38. Nandagopal, Sathyanarayanan, and Lenin Natesan Chokkalingam. "Influence of squirrel cage induction rotor geometry in battery C-rating." Engineering Science and Technology, an International Journal 39 (2023): 101336.	3/6=0,5
			39. Kammoun, Jalila Kaouthar, Naourez Ben Hadj, and Moez Ghariani. "Induction motor finite element analysis for EV application, torque ripple and inter-turn circuit." Journal of Electrical Systems 11.4 (2015): 447-462.	3/6=0,5
			40. Yetgin, Asim Gokhan, and Mustafa Turan. "Effects of rotor slot area on squirrel cage induction motor performance." parameters 2.2 (2016): 1.	3/6=0,5
			41. Kamoun, J. K., et al. "Torque Ripple and Harmonic Density Current Study in Induction Motor: Two Rotor Slot Shapes." International Review on Modelling and Simulations (I. RE. MO. S.) 8.2 (2015).	3/6=0,5
			42. Ünükaya, Efe, et al. "Rotor Oluk Şekillerinin Asenkron Motor Performansına Etkileri Effect of Rotor Slot Shapes on Induction Motor Performance." Bursa Elektronik-Bilgisayar ve Biyomedikal Mühendisliği Sempozyumu: 27-29.	3/6=0,5
			10. A. Munteanu, I. Nastas, A. Simion, L. Livadaru, B. Virlan and I. Nacu, "A New Topology of Fractional-Slot Concentrated Wound Permanent Magnet Synchronous Motor with Grain-Oriented Electric Steel for Stator Laminations," 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), Iasi, Romania, 2021, pp. 349-352, doi: 10.1109/SIELMEN53755.2021.9600382	

			43. Kumar, RM Ram, Gaurang Vakil, and Chris Gerada. "Impact of Saturation Flux Density of Rotor Lamination on the Performance of 2-Pole High-Speed Synchronous Reluctance machine." 2022 IEEE 2nd International Conference on Sustainable Energy and Future Electric Transportation (SeFeT). IEEE, 2022.	3/6=0,5
			11. A. Bobu, A. Munteanu, L. Livadaru, A. Simion and B. Virlan, "Comparative Study of an External Rotor Permanent Magnet Synchronous Generator with Fractional Slot Concentrated Winding and Different Number of Pole Pairs for Wind Energy Applications," 2020 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, Romania, 2020, pp. 365-369, doi: 10.1109/EPE50722.2020.9305650.	
			44. Karimov, Ruslan, et al. "Features of Designing a Low-Speed Generator for the Accumulation of Gravitational Energy." E3S Web of Conferences. Vol. 446. EDP Sciences, 2023.	3/5=0,6
			45. Fodorean, Daniel, and Simina Derban. "Design and Performances Evaluation of a PMSG used for Pico-Power Plant—a case study." 2022 International Conference and Exposition on Electrical And Power Engineering (EPE). IEEE, 2022.	3/5=0,6
			12. B. Virlan, A. Simion, A. Munteanu, I. Nacu and L. Livadaru, "Fractional Slot Permanent Magnet Synchronous Generator for Vertical Axis Wind Turbines," 2018 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, Romania, 2018, pp. 0987-0991, doi: 10.1109/ICEPE.2018.8559650.	
			46. Demirdelen, Tuğçe, et al. "Green touch for hydrogen production via alkaline electrolysis: The semi-flexible PV panels mounted wind turbine design, production and performance analysis." International Journal of Hydrogen Energy 45.18 (2020): 10680-10695.	3/5=0,6
			47. Fodorean, Daniel, and Simina Derban. "Design and Performances Evaluation of a PMSG used for	3/5=0,6

				Pico-Power Plant-a case study." 2022 International Conference and Exposition on Electrical And Power Engineering (EPE). IEEE, 2022.	
				48. Spunei, Elisabeta, Ion Piroi, and Florina Piroi. "Equalizing Links on DC Machine Windings." 2021 International Conference on Electromechanical and Energy Systems (SIELMEN). IEEE, 2021.	3/5=0,6
				49. Ortiz-Garcia, E., and R. Iracheta-Cortez. "Analyzing the power quality of a rf-pmsg by considering different types of windings." 2019 IEEE 39th Central America and Panama Convention (CONCAPAN XXXIX). IEEE, 2019.	3/5=0,6
				13. Virilan, B; Livadaru, L; Simion, A., ; Munteanu, A; Mihai, AM, DESIGN AND FEM SIMULATION OF A FRACTIONAL POWER THREE-PHASE INDUCTION MOTOR FOR OIL-SUBMERGED APPLICATIONS,, 25th European Conference on Modeling and Simulation (ECMS 2011), 2011, pp.181-187	
				50. Tig, Ilayda, et al. "Design of High Efficient 1.1 kW 8 Pole Induction Motor for Industrial Application." 2023 14th International Conference on Electrical and Electronics Engineering (ELECO). IEEE, 2023.	3/5=0,6
				51. Ünükaya, Efe, et al. "Rotor Oluk Şekillerinin Asenkron Motor Performansına Etkileri Effect of Rotor Slot Shapes on Induction Motor Performance." Bursa Elektronik-Bilgisayar ve Biyomedikal Mühendisliği Sempozyumu: 27-29.	3/5=0,6
				52. Balakrishnan, M. S., and R. Theagarajan. "FEM Analysis of Squirrel Cage Induction Motor Fed with Raised Sine Wave Supply." International Journal of Electrical and Computer Engineering 3.2 (2013): 153.	3/5=0,6
				14. V. Bogdan, M. Adrian, N. Ionut, P. Adrian-Cosmin and D. Mihai-Catalin, "Comparative Analysis of Two Permanent Magnet Fractional Slots Synchronous Generators with Different Number of Phases 15 slots /16 magnets three-phase generator to 15 slots/18 magnets five-phase generator : 15 slots /16 magnets three-phase generator to 15 slots/18	

	revistelor și manifestărilor științifice, organizator de manifestări științifice, recenzor pentru reviste și manifestări științifice naționale și internaționale (punctajul se acordă pentru fiecare revistă, manifestare științifică și recenzie)		<div>1. Recenzor paper ID 14, <u>Case Studies Related to the Optimization of a Surface Mounted Permanent Magnets Synchronous Generator Applied for a Small Hydrokinetic Turbine</u>, 2022, <u>12th International Conference and Exposition on Electrical and Power Engineering</u>,</div> <div>2. Recenzor paper ID 38, <u>Electromagnetic Analysis and Experimental Validation of an IPMSM</u>, 2022, <u>12th International Conference and Exposition on Electrical and Power Engineering</u>,</div> <div>3. Recenzor paper ID 56, <u>Electromagnetic Analysis and Experimental Validation of an IPMSM</u>, 2022, <u>12th International Conference and Exposition on Electrical and Power Engineering</u>,</div> <div>4. Recenzor paper ID 63, <u>Analysis of the Performances of Battery Electric Vehicles using ADVISOR</u>, 2022, <u>12th International Conference and Exposition on Electrical and Power Engineering</u></div> <div>5. Recenzor paper ID 110, <u>Implementation of a remote controlled photovoltaic nano-grid - final version</u>, 2022, <u>12th International Conference and Exposition on Electrical and Power Engineering</u></div> <div>6. Recenzor paper ID 126, <u>Six-phase Fractional Slot Concentrated Winding Permanent Magnet Synchronous Motor with Reduced Torque Ripple</u>, 2022, <u>12th International Conference and Exposition on Electrical and Power Engineering</u></div>	6
			6	
			6	
			6	
			6	

			7. <u>Recenzor paper ID 174, Direct Current Motor Speed Adjustment Via Indirect Self-Adjusting Regulator, 2022, 12th International Conference and Exposition on Electrical and Power Engineering</u>	6
			8. <u>Recenzor paper ID 31, Advanced Thermal Management Techniques for Electric Motors: A Comparative Analysis 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEI)</u>	6
			9. <u>Recenzor paper ID 32, Design of an Axial Flux Machine with Distributed Winding for Automotive Applications: A Comparison of Different Rotor Structures 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEI)</u>	6
			10. <u>Recenzor paper ID 33 Small Power Magnetically Geared Generator Design for Rural Zones of Benin 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEI)</u>	6
			11. <u>Recenzor paper ID 36 Irreversible Partial Demagnetization Analysis for Different Permanent Magnet Synchronous Motor Rotor Topologies 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEI)</u>	6
			12. <u>Recenzor paper ID 37 Topology Optimization for Electrical Machines: A Review</u>	6

			2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEI)	
			13. Recenzor paper ID 124 Analysis of Axial Flux Permanent Magnet Motors Used for Electric Vehicle 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEI)	6
			14. Recenzor paper ID 134 Improvement perspectives of a Halbach generator used in a small-wind vertical turbine 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEI)	6
			15. Recenzor paper ID 135 Improved design of the stator windings of high power induction machines for aerospace applications 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEI)	6
			16. Recenzor paper ID 145 The Study of the Transient Starting Process of a Single-Phase Motor Without External Phase-Shifting Elements 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEI)	6
			17. Recenzor paper ID 146 Experimental Study of the Single-Phase Asynchronous Motor Without External Phase-Shifting Elements for Starting 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEI)	6

			18. Recenzor paper ID 148 Analysis of the permanent magnets influence on the operation of a BLDC motor 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEI)	6
			19. Recenzor paper ID 149 The influence of bearing bore wear on power indicators of the traction motor gear unit 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEI)	6
			20. Recenzor paper ID 174 Asynchronous Torques Generated by Spatial Harmonics of Magnetomotive Forces 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEI)	6
			21. Recenzor paper ID 186 A few novel road and rail electric traction drives: an overview in 2024 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEI)	6
			3.4.3 Naționale și internaționale neindexate	
			3.5.1 internaționale	
			3.5.2 naționale	
			Academia Română	
			ASAS, AOSR, academii de ramură și CNCS	
			Premii internaționale	
			Premii naționale în domeniu	
		3.5 Referent în comisii de doctorat		
		3.6 Premii		
		3.7 Membru în academii, organizații,	3.7.1 Academia Română	

	asociații profesionale de prestigiu, naționale și internaționale, aparținând la organizații din domeniul educației și cercetării	3.7.2 ASAS, AOSR și academii de ramură		
		3.7.3 Conducere asociații profesionale	internaționale	
		3.7.4 Asociații profesionale	naționale	
		3.7.5 Consilii și organizații în domeniul educației și cercetării	Naționale - 1	2
			Membru în Societatea Absolvenților Facultății de Electrotehnică din Iași SETIS Iași	
			Membru - 1	10
			Membru în consiliu: Departamentul de Electrotehnică, Facultatea de Inginerie Electrică Energetică și Informatică Aplicată în mandatul 2024-2029	
			Total puncte membru, referent premii	138

Data: 20.12.2024

Candidat
Sef de lucrări dr. ing. Virlan Bogdan

