

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

Concurs pentru ocuparea postului de **Conferențiar**, poz. 12

Disciplinele postului: Tehnica Tensiunilor Înalte I
Energetică Generală

FIȘA DE VERIFICARE
a îndeplinirii standardelor minime naționale de prezentare la concurs pentru postul de
conferențiar universitar

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Candidat: **MACHIDON DRAGOȘ-LUCIAN** / Data nașterii: 29.10.1984, Funcția actuală: Șef de lucrări,

Data numirii în funcția actuală: 1.10.2014 (Decizia Rectorului 1559/29.09.2014), **Instituția:** Universitatea Tehnică „Gheorghe Asachi” din Iași,

Tabel 1: Condiții minime / punctaje obținute (în conformitate cu Domeniul CNATDCU Inginerie Energetică)

Condiții minime			
Nr crt.	Domeniul de activitate	Condiții Conferențiar	Punctaj obținut
1	Activitate didactica/profesionala (A1)	60	147,15
2	Activitate de cercetare (A2)	180	417,12
3	Recunoasterea si impactul activitatii activitatii (A3)	60	1.253,42
TOTAL (puncte)		300	1.817,69

Data: 20.12.2024

Candidat,
Șef lucr.dr.ing. Dragoș-Lucian Machidon



Tabelul 2. Structura activitatii și punctajele realizate

Nr. crt.	Domeniul activităților	Tipul activităților	Categorii și restricții	Subcategorii	Indicatori (k _{pi})	Realizări	Punctaj
0	1	2	3	4	5		
1	Activitatea didactică și profesională (A1)	1.1 Cărți și capitole în cărți de specialitate I	1.1.1 Cărți cu ISBN/ capitole ca autor; minim 2	1.1.1.1 internaționale	nr. pagini/(2*nr. autori)	-	-
				1.1.1.2 naționale	nr. pagini/(5*nr. autori)	2	31,93
			1.1.2 Cărți/ capitole de cărți ca editor/coordonator	1.1.2.1 internaționale	nr. pagini/(3*nr. autori)	-	-
				1.1.2.2 naționale	nr. pagini/(7*nr. autori)	-	-
		1.2 Suport didactic	1.2.1 Manuale, suport de curs inclusiv electronic: minim 1;		nr. pagini/(10*nr. autori)	6	100,6
			1.2.2 Îndrumare de laborator/aplicații; minim 1		nr. pagini/(20*nr. autori)	1	4,62
		1.3 Coordonare de programe de studii, organizare și coordonare programe de formare continuă și proiecte educaționale(POS,ERASMUS)	Punctaj unic pentru fiecare activitate		10	1	10
TOTAL Puncte Activitatea didactică/profesională (A1)						147,15	
2	Activitatea de cercetare (A2)	2.1 Articole în extenso în reviste cotate WOS Thomson-Reuters, în volume proceeding indexate WOS Thomson-Reuters *) și brevete indexate WOS Derwent	Minim 7 articole, din care minim 2 în reviste		(25+20*factor impact)/nr. de autori	25, din care 3 în reviste	246,52
		2.2 Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale	Minim 15 articole		20/nr. de autori	21	98
		2.3 Brevete de invenție indexate în ale baze de date		2.3.1 internaționale	25/nr. de autori	-	-
				2.3.2 naționale	15/nr. de autori	-	-
		2.4 Granturi/proiecte câștigate prin competiție	2.4.1 Director/ responsabil - Minim 1	2.4.1.1 internaționale	20*ani de desfășurare	-	-
				2.4.1.2 naționale	10*ani de desfășurare	1	11,6

			2.4.2 membru în echipa	2.4.2.1 internaționale	4*ani de desfășurare	3	24	
				2.4.2.2 naționale	2*ani de desfășurare	2	8	
		2.5 Contracte de cercetare/consultanță (valoare echivalentă de minim 2 000 Euro)	2.5.1 Responsabil		5*ani de desfășurare	3	15	
			2.5.2 Membru echipa		2*ani de desfășurare	5	14	
		TOTAL Puncte Activitatea de cercetare (A2)						417,12
3	Recunoașterea și impactul activității (A3)	3.1 Citări în reviste WOS și volumele conferințelor WOS		3.1.2 WOS (minim 4 citari)	5/nr. autori ai art. citat	40 (41)	55,07	
		3.1 Citări în reviste și volumele conferințelor BDI		3.2.2. BDI (minim 8 citari)	3/nr. autori ai art. citat	39 (40)	37,35	
		3.3 Prezentări invitate în plenul unor manifestări științifice naționale și internaționale și Profesor invitat (exclusiv POS, ERASMUS)	Punctaj unic pentru fiecare activitate	3.3.1 internaționale	20	-	-	
				3.3.2 naționale	5	-	-	
		3.4 Membru în colectivele de redacție sau comitete științifice al revistelor și manifestărilor științifice, Organizator de manifestări științifice, Recenzor pentru reviste și manifestări științifice naționale și internaționale	Punctaj unic pentru fiecare activitate	3.3.1 ISI	10	69	690	
				3.3.2 BDI	6	74	444	
				3.3.3 naționale și internaționale neindexate	3	1	3	
		3.5 Referent în comisii de doctorat		3.5.1 internaționale	10	-	-	
				3.5.2 naționale	5	-	-	
			3.6 Premii		Academia Romana	30	-	-
ASAS, AOSR, academii de ramura și CNCS	15				-	-		
premii internaționale	10				-	-		
premii naționale în domeniu	5				1	5		
3.7 Membru în academii, organizații, asociații profesionale de prestigiu, naționale și internaționale, apartenență la	3.7.1 Academia Romana			100	-	-		
			3.7.2 ASAS, AOSR și academii de ramură	30	-	-		
			3.7.3 Conducere asociații profesionale	internaționale	30	-	-	
				naționale	10	-	-	

		organizații din domeniul educației și cercetării	3.7.4 Asociații profesionale	internationale	5	3	15
				naționale	2	2	4
			3.7.5 Consilii și organizații în domeniul educației și cercetării	Conducere	15	-	-
				Membru	10	-	-
		TOTAL Puncte Recunoașterea și impactul activității (A3)					1.253,42
TOTAL Puncte = 1.817,69							

ACTIVITATE DIDACTICĂ/PROFESIONALĂ (A1)

1.1.1. Carti si capitole in carti de specialitate (cu ISBN)

Nr crt	Subcategorii (Național/ Internațional)	Rezultate (punctaje)	Cărți de specialitate/capitole în cărți (titlul, autorii, Editura, ISBN)	Nr. pagini
0	1	2	3	4
1	Național	13,73	Roxana Oprea, Marcel Istrate, Dragoș Machidon , <i>Soluții pentru creșterea performanțelor sistemelor fotovoltaice</i> , Editura PIM din Iași, 2024, ISBN: 978-606-13-8696-3.	206
2	Național	18,2	Dragoș Machidon , Marcel Istrate, <i>Modele matematice de calcul a zonelor de protecție generate de sistemele de paratrăsnete</i> , Editura Universității Tehnice "Gheorghe Asachi" din Iași, 2024, ISBN: 978-973-621-537-7.	182
	TOTAL	31,93		

1.2.1. Manuale/ Suport de curs

crt	Rezultate (punctaje)	Titlul Manualului (autorii, titlul, nr. pagini, website)	Nr pagini
0	1	2	3
1	12,6	Dragoș Machidon , Mircea Gușă, <i>Energetică generală - Curs și aplicații</i> , Editura Politehniun, Iași, 2023, ISBN: 978-973-621-521-6.	252
2	5,3	Marcel Istrate, Dragoș Machidon , <i>Electrosecuritate</i> , Suport de curs (format pdf), 106 pag., Disponibil online la adresa: http://www.tti.ieeia.tuiasi.ro/materiale/electrosec/electrosec.html , 2017.	106
3	2,7	Marcel Istrate, Dragoș Machidon , <i>Regimuri Tranzitorii Electromagnetice</i> , Suport de curs (format pdf), 54 pag., Disponibil online la adresa: http://www.tti.ieeia.tuiasi.ro/materiale/rtem/rtem.html , 2013	54
4	15,7	Dragoș Machidon , <i>Electrosecuritate</i> - Suport de curs (format pptx.), 157 slide-uri, Disponibil online la adresa: https://edu.tuiasi.ro/course/view.php?id=3385 , 2022.	157
5	38,2	Dragoș Machidon , <i>Energetică Generală</i> - Suport de curs (format pptx.), 382 slide-uri, Disponibil online la adresa: https://edu.tuiasi.ro/course/view.php?id=3385 , 2022.	382
6	26,1	Dragoș Machidon , <i>Drept și legislație în energetică</i> - Suport de curs (format pptx.), 261 slide-uri, Disponibil online la adresa: http://www.tti.ieeia.tuiasi.ro/materiale/dle/dle.html , 2024.	261
Total	100,6		

1.2.2. Îndrumare de laborator/ Aplicații

Nr crt	Rezultate (punctaje)	Titlul Manualului (autorii, titlul, nr. pagini, website)	Nr pagini
0	1	2	3
1	4,62	Dragoș Machidon , Marcel Istrate, <i>Tehnica Tensiunilor Înalte – Lucrări de laborator</i> , Editura Politehniun, 2021, ISBN: 978-973-621-501-8, 185 pag.	185
Total	4,62		

1.3. Coordonare programe de studii

Nr crt	Rezultate (punctaje)	Programe
0		2
1	10	Coordonator programul de studii de master la domeniul Inginerie Energetică, specializarea Managementul Sistemelor de Energie, din cadrul Facultății de Inginerie Electrică, Energetică Și Informatică Aplicată.
Total	10	

ACTIVITATE DE CERCETARE (A2)

2.1. Articole publicate in extenso in reviste și în volume proceedings indexate WOS Thomson-Reuters

Nr crt	Rezultate (punctaje)	Autorii, titlul lucrării, revista/proceedings, pag (de la – pana la), vol....,	FI
0	1	2	3
1	51,5	Dragoș Machidon , Marcel Istrate, <i>Tilt Angle Adjustment for Incident Solar Energy Increase: A Case Study for Europe</i> , Sustainability 2023, 15(8), 7015, ISSN: 2071-1050, https://doi.org/10.3390/su15087015 , WOS: 000978479400001 – FI 2023 – 3.9	3,9
2	7,25	Ioan Banu, Marcel Istrate, Dragoș Machidon , Răzvan Pantelimon, <i>Study regarding modeling photovoltaic arrays using test data in matlab/simulink</i> , University Politehnica Of Bucharest Scientific Bulletin Series C-Electrical Engineering And Computer Science, Volume: 77 Issue: 2 Pages: 227-234, Published: 2015, ISSN: 2286-3540, eISSN: 2286-3559, WOS: 000421799900019, FI 2023 – 0.2.	0,2
3	7,8	Marcel Istrate, Alexandru Miron, Cristiana Istrate, Mircea Gușă, Dragoș Machidon , <i>Single-phased Fault Location on Transmission Lines Using Unsynchronized Voltages</i> , Advances in Electrical and Computer Engineering, Issue 3, 2009, pages 51-56, ISSN: 1582-7445, e-ISSN: 1844-7600, Digital Object Identifier: 10.4316/AECE.2009.03010, WOS:000271872000010, FI 2023 – 0.7	0,7
4	6,25	Dragos Machidon , Marcel Istrate, Roxana Oprea, Razvan Beniuga, <i>Performance analysis of double-axis orientating Low Concentration Photovoltaic Systems</i> , Proceedings of the 9 th International Conference on Modern Power Systems, MPS 2021, 16-17 June 2021, ISBN:978-1-6654-3382-2, Cluj-Napoca, Romania, DOI: 10.1109/MPS52805.2021.9492623, WOS: 000941563300054	0
5	8,33	Teona Solomon, Marcel Istrate, Dragos Machidon , <i>Study of lightning's strokes on HV overhead power lines</i> , Proceedings of the 9 th International Conference on Modern Power Systems, MPS 2021, 16-17 June 2021, ISBN: 978-1-6654-3382-2, Cluj-Napoca, Romania, DOI: 10.1109/MPS52805.2021.9492600, WOS: 000941563300041	0
6	6,25	Razvan Beniuga, Oana Beniuga, Dragos Machidon , Marcel Istrate, <i>Wind Power in Romania Energy Mix Towards Sustainable Development</i> , Proceedings of the 9 th International Conference on Modern Power Systems, MPS 2021, 16-17 June 2021, ISBN: 978-1-6654-3382-2, Cluj-Napoca, Romania, DOI: 10.1109/MPS52805.2021.9492673, WOS: 000941563300081	0
7	8,33	Dragos Machidon , Roxana Oprea, Marcel Istrate, <i>Power output experimental evaluation of fixed photovoltaic systems when using adjustable tilt angles</i> , Proceedings of the 12 th International Conference and Exhibition on Electromechanical and Energy Systems, SIELMEN 2019, 10-11 October 2019, ISBN: 978-1-7281-4011-7, Chisinau, Republica Moldova, DOI: 10.1109/SIELMEN.2019.8905822, WOS: 000630287500032	0

8	6,25	Roxana Oprea, Marcel Istrate, Dragos Machidon , Razvan Beniuga, <i>Determination of Optimum Tilt Angle for Fixed Photovoltaic Modules in Iasi, Romania</i> , Proceedings of the 8 th International Conference on Modern Power Systems, MPS 2019, 21-23 May 2019, ISBN: 978-1-7281-0750-9, Cluj-Napoca, Romania, DOI: 10.1109/MPS.2019.8759661, WOS: 000612401900012	0
9	8,33	Roxana Oprea, Marcel Istrate, Dragos Machidon , <i>Analysis of V-trough reflector's geometry influence on Low Concentration Photovoltaic Systems</i> , Proceedings of the 8 th International Conference on Modern Power Systems, MPS 2019, 21-23 May 2019, ISBN: 978-1-7281-0750-9, Cluj-Napoca, Romania, DOI: 10.1109/MPS.2019.8759789, WOS: 000612401900133	0
10	5	Marian Dragomir, Anamaria Iamandi, Marcel Istrate, Alin Dragomir, Dragos Machidon , <i>Estimation of Line Zero Sequence Impedance using Real Field Fault Data for Fault Location Application</i> , Proceedings of the 8 th International Conference on Modern Power Systems, MPS 2019, 21-23 May 2019, ISBN: 978-1-7281-0750-9, Cluj-Napoca, Romania, DOI: 10.1109/MPS.2019.8759762, WOS: 000612401900108	0
11	8,33	Teona Solomon, Marcel Istrate, Dragos Machidon , <i>Case study on the protection of power stations against lightning strokes</i> , Proceedings of the 8 th International Conference on Modern Power Systems, MPS 2019, 21-23 May 2019, ISBN: 978-1-7281-0750-9, Cluj-Napoca, Romania, DOI: 10.1109/MPS.2019.8759787, WOS: 000612401900131	0
12	8,33	Razvan Beniuga, Oana Beniuga, Dragos Machidon , <i>Assessment of DFIG wind turbine overvoltage protection system for grid stability</i> , Proceedings of the 8 th International Conference on Modern Power Systems, MPS 2019, 21-23 May 2019, ISBN: 978-1-7281-0750-9, Cluj-Napoca, Romania, DOI: 10.1109/MPS.2019.8759781, WOS: 000612401900125	0
13	8,33	Dragos Machidon , Marcel Istrate, Roxana Oprea, <i>Analysis of the Renewable Energy Sector's Development Impact on the CO2 Emissions in Romania</i> , Proceedings of the 10 th International Conference and Exposition on Electrical and Power Engineering, EPE 2018, 18-19 October 2018, ISBN:978-1-5386-5062-2, ISSN: 2471-6855, Iasi, Romania, pp. 578-582, DOI: 10.1109/ICEPE.2018.8559882, WOS:000458752200112.	0
14	6,25	Roxana Oprea, Marcel Istrate, Dragos Machidon , Dragos Achiteni, <i>Efficiency Analysis of Solar Radiation Concentration Technique for a Low Concentration Photovoltaic System</i> , Proceedings of the 10 th International Conference and Exposition on Electrical and Power Engineering, EPE 2018, 18-19 October 2018, ISBN:978-1-5386-5062-2, ISSN: 2471-6855, Iasi, Romania, pp.589 – 593, DOI: 10.1109/ICEPE.2018.8559834, WOS:000458752200114.	0
15	6,25	Roxana Oprea, Marcel Istrate, Dragos Machidon , Razvan Beniuga, <i>Experimental Evaluation of the Optimum Tilt Angle for Fixed Photovoltaic Modules</i> , Proceedings of the 10 th International Conference and Exposition on Electrical and Power Engineering, EPE 2018, 18-19 October 2018, ISBN:978-1-5386-5062-2, ISSN: 2471-6855, Iasi, Romania, pp. 594-598, DOI: 10.1109/ICEPE.2018.8559879, WOS:000458752200115.	0
16	6,25	Razvan Beniuga, Marcel Istrate, Oana Beniuga, Dragos Machidon , <i>Educational Resource for Wind Turbine Behaviour Assessment</i> , Proceedings of the 10 th International Conference and Exposition on Electrical and Power Engineering, EPE 2018, 18-19 October 2018, ISBN:978-1-5386-5062-2, ISSN: 2471-6855, Iasi, Romania, pp. 395-398, DOI: 10.1109/ICEPE.2018.8559654, WOS:000458752200075.	0
17	8,33	Roxana Oprea, Marcel Istrate, Dragos Machidon , <i>Electricity output analysis of a small photovoltaic power plant</i> , Proceedings of the 7 th International Conference on Modern Power Systems, MPS 2017, 6-9 June 2017 Cluj-Napoca, Romania, ISBN 978-1-5090-6565-3, DOI: 10.1109/MPS.2017.7974374, INSPEC Accession Number: 17028390, WOS:000428462600005.	0
18	8,33	Roxana Oprea, Marcel Istrate, Dragos Machidon , <i>Assessments on the ENERED photovoltaic power plant electricity production</i> , Proceedings of the 7 th International Conference on Modern Power Systems, MPS 2017, 6-9 June 2017 Cluj-Napoca, Romania, ISBN 978-1-5090-6565-3, DOI: 10.1109/MPS.2017.7974375, INSPEC Accession Number: 17028436, Accession Number: WOS:000428462600006.	0
19	12,5	Dragos Machidon , Marcel Istrate, <i>Operating regime efficiency analysis of a small photovoltaic power plant</i> , Proceedings of the 9 th International Conference and Exposition on Electrical and Power Engineering, EPE 2016, 20-22 October 2016, Iasi, Romania, DOI: 10.1109/ICEPE.2016.7781462, Accession Number: WOS:000390706300172, ISBN:978-1-5090-6128-0, pp.880-883.	0

20	12,5	Dragos Machidon , Marcel Istrate, <i>Photovoltaic power plant on the ENERED research platform of the electrical engineering faculty of Iasi</i> , Proceedings of the 9 th International Conference and Exposition on Electrical and Power Engineering, EPE 2016, 20-22 October 2016, Iasi, Romania, DOI: 10.1109/ICEPE.2016.7781463, Accession Number: WOS:000390706300173, ISBN:978-1-5090-6128-0, pp.884-887.	0
21	12,5	Dragos Machidon , Marcel Istrate, <i>Implementation of the Attractive Radius Method for the Estimation of the Lightning Protection Zones for a 110 kV Power Substation</i> , Proceedings of the 8 th International Conference and Exposition on Electrical and Power Engineering, EPE 2014, 16-18 October 2014, Iasi, Romania, ISBN 978-1-4799-5849-8, IEEE Catalog Number CFP1447S-USB, Accession Number: WOS:000353565300181, pp.989-994,	0
22	8,33	Machidon D. , Istrate M., Banu I., <i>Algorithm Based On Attractive Radius For Estimating The Lightning Protection Efficiency</i> , Proceedings of the 14 th International Conference on Optimization of Electrical and Electronic Equipment OPTIM 2014 May 22-24, 2014, Brasov, Romania, Book of Abstracts, ISBN:978-1-4799-5183-3, pp. 5, pp. 27-32, DOI: 10.1109/OPTIM.2014.6850883 , Accession Number: WOS:000343551300004.	0
23	6,25	Banu I, Istrate M., Machidon D. , Pantelimon R., <i>A study on anti-islanding detection algorithms for grid-tied photovoltaic systems</i> , Proceedings of the 14 th International Conference on Optimization of Electrical and Electronic Equipment OPTIM 2014 May 22-24, 2014, Brasov, Romania, Book of Abstracts, pp. 109, pp. 655-660, DOI: 10.1109/OPTIM.2014.6850940 , Publisher: IEEE, Electronic ISBN: 978-1-4799-5183-3, Print ISSN: 1842-0133, Accession Number: WOS:000343551300097.	0
24	12,5	Machidon D. , Istrate M., <i>A new model based on electro-geometrical theory for estimating the lightning protection zones</i> , Published in Advanced Topics in Electrical Engineering (ATEE), 2013 8th International Symposium, May, Bucharest, pp.1-5, Print ISBN: 978-1-4673-5979-5, Digital Object Identifier : 10.1109/ATEE.2013.6563470, Accession Number: WOS:000332928500124.	0
25	6,25	Machidon D. , Istrate M., Gusa M., Tibuliac St., <i>Lightning protection zones estimation for a power station using the elliptic model</i> , International Conference and Exposition on Electrical and Power Engineering (EPE), 2012, Digital Object Identifier : 10.1109/ICEPE.2012.6463925, Print ISBN: 978-1-4673-1173-1, Pages: 225 – 230, Accession Number: WOS:000324685300045.	0
Total	246,52		

2.2. Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale

Nr crt	Rezultate (punctaje)	Autorii, titlul lucrării, revista, pag (de la – pana la), vol....,
1	6,66	Dragos Machidon , Marcel Istrate, Ravan Beniuga, <i>Wind Speed Estimation based on Power Law Extrapolation Technique</i> , Proceedings of the 13th International Conference and Exposition on Electrical and Power Engineering, EPE 2024, 17-19 October 2024, ISBN: 979-8-3503-5619-9, Iasi, Romania, DOI: 10.1109/EPEi63510.2024.10758142.
2	3,33	Ravan Beniuga, Dragos Machidon , Paul-Sergiu Popa, Oana Beniuga, Florin Baiceanu, Marcel Istrate, <i>Cost-effectiveness and sustainability analysis of a NZEB house</i> , Proceedings of the 13th International Conference and Exposition on Electrical and Power Engineering, EPE 2024, 17-19 October 2024, ISBN: 979-8-3503-5619-9, Iasi, Romania, DOI: 10.1109/EPEi63510.2024.10758113.
3	6,66	Dragos Machidon , Marcel Istrate, Razvan Beniuga, <i>An Application of LIDAR Technology for Wind Speed Measurement</i> , Proceedings of the 10 th International Conference on Modern Power Systems, MPS 2023, 21-23 June 2023, ISBN:978-1-6654-3382-2, Cluj-Napoca, Romania, DOI: 10.1109/MPS58874.2023.10187425.
4	4	Razvan Beniuga, Oana Beniuga, Dragos Machidon , Florin Baiceanu, Marcel Istrate, <i>NZEB compliance principles in Romania for residential buildings</i> , Proceedings of the 10 th International Conference on Modern Power Systems, MPS 2023, 21-23 June 2023, ISBN:978-1-6654-3382-2, Cluj-Napoca, Romania, DOI: 10.1109/MPS58874.2023.10187523.

5	10	Dragos Machidon , Marcel Istrate, <i>Impact of the Electric Vehicle Sector's Development on Romania's National Power System</i> , Proceedings of the 12 th International Conference and Exposition on Electrical and Power Engineering, EPE 2022, 20-22 October 2022, ISBN:978-1-5386-5062-2, ISSN: 2471-6855, Iasi, Romania, DOI: 10.1109/EPE56121.2022.9959842.
6	10	Dragos Machidon , Marcel Istrate, <i>Analysis of Romania's transmission power lines behavior under direct lightning strikes</i> , Proceedings of the 13 th International Conference and Exhibition on Electromechanical and Energy Systems, SIELMEN 2021, 7-8 October 2021, ISBN: 978-1-7281-4011-7, Chisinau, Republica Moldova, DOI: 10.1109/SIELMEN53755.2021.9600318.
7	5	Madalina Roman, Alexandru Salceanu, Marius Paulet, Dragos Machidon , <i>Evaluation upon the Energy Resources of Photovoltaic Systems depending on their Location</i> , Proceedings of the 13 th International Conference and Exhibition on Electromechanical and Energy Systems, SIELMEN 2021, 7-8 October 2021, ISBN: 978-1-7281-4011-7, Chisinau, Republica Moldova, DOI: 10.1109/SIELMEN53755.2021.9600326.
8	5	Dragos Machidon , Roxana Oprea, Marcel Istrate, Razvan Beniuga, <i>Energy output increase by using a periodic orientation system for fixed photovoltaic panels</i> , Proceedings of the 11 th International Conference and Exposition on Electrical and Power Engineering, EPE 2020, 22-23 October 2020, ISBN:978-1-5386-5062-2, ISSN: 2471-6855, Iasi, Romania, DOI: 10.1109/EPE50722.2020.9305626.
9	6,66	Dragos Machidon , Roxana Oprea, Marcel Istrate, <i>Considerations on the opportunity of using various optimum tilt angles for fixed photovoltaic panels in Iasi, Romania</i> , Bulletin of the Polytechnic Institute of Iasi, Section Electrotehnica. Energetica. Electronica Volume 65(69), Fasc.3, pg.79-92, ISSN 2071-1050, (CNCSIS, code 87, http://www.cncsis.ro/ , http://www.bulipi-eee.tuiasi.ro/archive/2019/fasc.3/2019f3contents.html), 2019.
10	6,66	Dragos Machidon , Marcel Istrate, Roxana Oprea, <i>Some considerations on the photovoltaic conversion of the solar energy in Romania</i> , Bulletin of the Polytechnic Institute of Iasi, Section Electrotehnica. Energetica. Electronica Volume 62(66), Fasc.3, pg.21-30, ISSN 1223-8139, (CNCSIS, code 87, http://www.cncsis.ro/ , http://www.bulipi-eee.tuiasi.ro/archive/2016/fasc.3/p2_f3_2016.pdf), 2016.
11	10	Dragos Machidon , Marcel Istrate, <i>Weather Influence Analysis on the Lightning Protection Current Estimation</i> , Acta Electrotehnica, Number 3-2015, Proceedings of The 6 th International Conference on Modern Power Systems, MPS 2015, 18-21 mai 2015 Cluj-Napoca, Romania, pp.161-164, ISSN 1841-3323,
12	10	Machidon D. , Istrate M., <i>Power Station Protection Zones Estimation Using the Rolling Sphere Method and the Elliptic Model</i> , Acta Electrotehnica, Special Issue "Proceedings of The 5 th International Conference on Modern Power Systems MPS 2013, Cluj-Napoca, Romania, Vol. 54, No., 5, 2013, pp.256-261, ISSN 1841-3323, (Indexed in VINITI, DOAJ Lund University Lybraries http://www.doaj.org)
13	6,66	Marian Dragomir, Dragoş Machidon , Răzvan Beniugă, <i>One-End Data Fault Location Algorithm For Transmission Grids</i> , 5th International Conference on Modern Power System, MPS 2013, 28-31 mai, Cluj-Napoca, România, Acta Electrotehnica, ISSN 1841-3323, Volume 54, Number 5, 2013, pp.175-178, (Indexed in VINITI, DOAJ Lund University Lybraries http://www.doaj.org);
14	5	Machidon D. , Istrate M., Guşă M., Dragomir M., <i>The Elliptic Model Implementation For The Estimation Of The Vertical Rod's Protection Zones</i> , World Energy System Conference.Towards Sustainable and Integrated Energy Systems, Suceava, 28-30 iunie 2012, Buletinul AGIR, nr.3/2012, An.XVII, Index Copernicus International, ISSN-L 1224-7928, Online: ISSN 2247-3548, pp.477-482, http://www.buletinulagir.agir.ro/articol.php?id=1426
15	10	Istrate M., Machidon D. , <i>ATP Analysis Of Transmission Lines Behaviour On Direct Lightning Strokes</i> , World Energy System Conference.Towards Sustainable and Integrated Energy Systems, Suceava, 28-30 iunie 2012, Buletinul AGIR, nr.3/2012, An.XVII, Index Copernicus International, ISSN-L 1224-7928, Online: ISSN 2247-3548, pp.471-476, http://www.buletinulagir.agir.ro/articol.php?id=1425
16	5	Dragomir M., Istrate M., Beniugă R., Machidon D. , <i>Assessment Of Two-End Data Fault Location Algorithms For Transmission Grids</i> , World Energy System Conference.Towards Sustainable and Integrated Energy Systems, Suceava, 28-30 iunie 2012, Buletinul AGIR, nr.3/2012, An.XVII, Index Copernicus International, ISSN-L 1224-7928, Online: ISSN 2247-3548, pp.435-438, http://www.buletinulagir.agir.ro/articol.php?id=1419
17	5	Machidon D. , Istrate M., Gusa M., Dragomir M., <i>Lightning Protection Current determination Using ATP Simulations and Leader Progression Model</i> , Acta Electrotehnica, Vol.52, No.5, 2011, pp.243-246, ISSN 1841-3323, (Indexed in VINITI, DOAJ Lund University Lybraries http://www.doaj.org)

18	5	Dragomir M., Istrate M., Gusa M., Machidon D. , <i>The Influence of The Power Frequency on the Accuracy of Two-Enda data fault Location Algorithm</i> , Acta Electrotehnica, Vol.52, No.5, 2011, pp.143-146, ISSN 1841-3323, (Indexed in VINITI, DOAJ Lund University Lybraries http://www.doaj.org)
19	5	Machidon D. , Istrate M., Gusa M., Dragomir M., <i>Rolling Sphere Method Application for HV Lines</i> , Acta Electrotehnica, Proceedings of the 3 rd International Conference on Modern Power Systems MPS 2010, pp 221-224, Vol. 51, No. 5, 2010, ISSN 1841-3323 (CNCSIS, cod 576 – http://www.cnscis.ro/articole/1901/Arhiva-2005-2008.html), indexata in doua BDI – Rusia VINITI http://catalog.viniti.ru/ si Suedia DOAJ http://www.doaj.org), 2010.
20	4	Dragomir M., Istrate M., Gusa M., Sandei D., Machidon D. , <i>Alternative Transients Program Model of The Protection Based on Incremental Signals</i> , Buletinul Institutului Politehnic Iași, Tomul LVI (LX), Fasc.3, pag.101-109, ISSN 1223-8139, (CNCSIS, cod 87, http://www.cnscis.ro/articole/1901/Arhiva-2005-2008.html), 2010.
21	5	Dragomir M., Istrate M., Gusa M., Machidon D. , <i>Fundamental Current Phasor Estimation Techniques Used in Fault Location</i> , Proceedings of the 11 th WSEAS International Conference on Mathematical Methods and Computational Techniques in Electrical Engineering (MMACTEE '10), pp. 57-62, Publisehd by WSEAS Press (www.wseas.org) ISSN: 1792-5967, ISBN: 978-960-474-238-7, indexat si in http://portal.acm.org , 2010.
Total	98	

2.4. Granturi/proiecte castigate prin competiție

Nr. Crt.	Subcategorii (National / International)	Rezultate (punctaje)	Titlul proiectului	Calitate (director/membru in echipa)
0	1	2	3	4
1	Național	10 x 1,16 ani = 11,6 pct	<i>Model matematic de determinare a profilurilor vitezelor vântului la diverse înălțimi</i> , Grant cercetare GnaC2023_270, nr.7189/29.02.2024, Contractor Universitatea Tehnică “Gheorghe Asachi” din Iași, Director grant - Dragos Machidon , Membri: Istrate M., Mihăeș S., Perioada implementare: martie 2024 – aprilie 2025, Valoare contract: 49.771 lei (1 Euro = 4,9771, BNR 29.02.2024)	Director
2	Internațional	4 x 2 ani = 8 pct	<i>Energy Generation from Non-Powered Dams - ENERGYDAM</i> , Contract nr. 11155/06.04.2022 TUIASI, Innovation Norway No. 2021/332809 din 24.03.2022, EEA and Norway Grants 2014-2021, Director Proiect: Istrate M. Membri echipa de implementare IEEEA: Adam M, Andrusca M., Dragos Machidon , Sume; Total proiect: 346958 Euro, din care in 2022 – 154175 Euro si in 2023 – 192783 Euro (1 euro = 4.95)	Membru
3	Internațional	4 x 2 ani = 8 pct	<i>Integrated Value Chain for Improvement on Labour Market – IVAC</i> , Proiect PO RO-MD P 1.1 ENI-2SOFT/3.1/94, 2021-2023, Valoare proiect: 775.300 lei, Director Proiect: Gabriela Covatariu, Membri echipă: Dragoș Machidon .	Membru

4	Național	2 x 2 ani = 4 pct	<i>Viitorul este electric – STARTING!</i> , Proiect ROSE AG 367/SGU/III/SS/38, Valoare: 709.813 lei, 2020-2022, Director Proiect: Cristina Vătavu, Membri echipă: Dragoș Machidon .	Membru
5	Național	2 x 2 ani = 4 pct	<i>SELECT TUIASI – Școala de vară Student ELECTRO LA TUIASI</i> , Proiect ROSE 1PV/II20/SGU, 2019-2021, Valoare: 560.412 lei, Director Proiect: Maricel Adam, Membri echipă: Dragoș Machidon .	Membru
6	Internațional	4 x 2 an = 8 pct	<i>Sistem de majorare a indicatorilor de autoconsum din surse fotovotaice, folosind conversia și stocarea sub forma de energie termică</i> , Proiect tip PN-III-P3-3.1-PM-ROCN-2018-0093 / 2018-2019. Valoare 49.500 ron. Director proiect: Ciprian Nemeș, Membri în echipă: Munteanu Florin, Machidon Dragoș , Ciocea Alexandru	Membru
Total		43,6		

2.4. Contracte de cercetare / consultanță (valoare echivalentă de minim 2000 EUR)

Nr. Crt.	Subcategorii (Național / International)	Rezultate (punctaje)	Titlul proiectului	Calitate (director/membru in echipa)
0	1	2	3	4
1	Național	5 x 1 an = 5 pct	<i>Studiu asupra evaluării potențialului eolian la diferite înălțimi</i> , Contract consultanță științifică, Beneficiar – SC. WPD România SRL, Tema 2824/26.01.2024, 2024, Responsabil contract - Dragos Machidon , Membri: Beniuga R., Istrate M., Valoare contract: 65.000 lei - exclusiv TVA (77.350 lei + TVA). (1 Euro = 4,9763, BNR 26.01.2024)	Director
2	Național	5 x 1 an = 5 pct	<i>Cercetări privind evaluarea potențialului eolian în diferite amplasamente din țară</i> , Contract consultanță științifică, Beneficiar – SC. WPD România SRL, Tema 2443P/27.01.2023, 2023, Responsabil contract - Dragos Machidon , Membri: Beniuga R., Istrate M., Valoare contract: 60.000 lei - exclusiv TVA (71.400 lei + TVA). (1 Euro = 4,8992, BNR 27.01.2023)	Director
3	Național	5 x 1 an = 5 pct	<i>Cercetări privind determinarea profilului de viteze ale vântului din diferite amplasamente din țară</i> , Contract consultanță științifică, Beneficiar – SC. WPD România SRL, Tema 2592P/26.01.2022, 2022, Responsabil contract - Dragos Machidon , Membri: Beniuga R., Istrate M., Valoare contract: 51.000 lei - exclusiv TVA (60.690 lei + TVA); (1 Euro = 4,9443, BNR 26.01.2022)	Director
4	Național	2 x 3 ani = 6 pct	<i>Analiza și interpretarea datelor, întocmirea algoritmilor de prelucrarea datelor, simularea asistată de calculator și întocmirea rapoartelor de simulare, cod CPV 71335000-5</i> ; Beneficiar: Societatea pentru Servicii de Mentenanță a Rețelei Electrice de Transport "SMART" S.A. București Sucursala de Mentenanță SIBIU, 2015-2018, tema 27373/22.12.2015 , Istrate M.- Responsabil contract, Dragos Machidon -	Membru

			membru Contract obținut prin procedura de licitație deschisă – publicată pe SEAP. Valoare studiu: 185.000 lei +TVA.	
5	Național	2 x 1 an = 2 pct	<i>Studiu privind verificarea schemelor de protecție împotriva loviturilor directe de trăsnet în cazul stației 220/110/20 kV Munteni. Analiză comparată a metodei normate și a metodei electrogeometrice”, cod CPV 71335000-5; Beneficiar: CN Transelectrica SA, Sucursala de Transport Bacău, 2013, tema 8795/17.05.2013, Istrate M.- Director tema, Dragos Machidon Valoare 57000+TVA RON; Contract obținut prin procedura de licitație deschisă – publicată pe SEAP; Cursul de schimb valutar BNR la data semnării contractului a fost de 4,4111 lei/Euro (echivalentul în Euro al sumei contractate este de 12922 Euro fara TVA sau 16023 Euro cu TVA).</i>	Membru
6	Național	2 x 1 an = 2 pct	<i>Analiza asistată de calculator a riscului producerii loviturilor directe de trăsnet în echipamentele de 400/110 kV ale stației de transformare Roman Nord. Analiza comparată a metodei normate și a metodei electrogeometrice; Beneficiar: CN Transelectrica SA, Sucursala de Transport Bacău, 2012, tema 8731/25.05.2012, Istrate M.- Director tema, Dragos Machidon Valoare 77000+TVA RON; Contract obținut prin procedura de licitație deschisă – publicată pe SEAP; Cursul de schimb valutar BNR la data semnării contractului a fost de 4,45 lei/Euro (echivalentul în Euro al sumei contractate este de 17300 Euro fara TVA sau 21400 Euro cu TVA).</i>	Membru
7	Național	2 x 1 an = 2 pct	<i>Studiu privind analiza asistată pe calculator a riscului producerii loviturilor de trăsnet în echipamente de 220 kV și 400 kV ale stației de transformare Suceava. Analiza comparată a metodei normate și a metodei electrogeometrice; Beneficiar: CN Transelectrica SA, Sucursala de Transport Bacău, 2011, tema 1090P/03.05.2011, Istrate M.- Director tema, Gușă M, Dragos Machidon Valoare 70000+TVA RON; Contract obținut prin procedura de licitație deschisă – publicată pe SEAP; Cursul de schimb valutar BNR la data semnării contractului a fost de 4,1073 lei/Euro (echivalentul în Euro al sumei contractate este de 17042,8 Euro fara TVA sau 21133,1 Euro cu TVA).</i>	Membru
8	Național	2 x 1 an = 2 pct	<i>Studiu privind expertizarea instalațiilor de 110 și 220 kV din stația FAI, urmare modificării schemelor de conexiuni, prin metoda electrogeometrică, privind riscul producerii loviturilor directe de trăsnet în echipamentele stației; Beneficiar: CN Transelectrica SA, Sucursala de Transport Bacău, 2009, tema 9958P/15.07.2009, Istrate M.- Director tema, Gușă M, Dragos Machidon Valoare 48000+TVA RON; Contract obținut prin procedura de licitație deschisă – publicată pe SEAP; Cursul de schimb valutar BNR la data semnării contractului a fost de 4,2175 lei/Euro (echivalentul în Euro al sumei contractate este de 11381,5 Euro fara TVA sau 13543,6 Euro cu TVA).</i>	Membru
Total		29		

3. RECUNOASTERE SI IMPACTUL ACTIVITATII (A3)

3.1. Citări în reviste și volumele conferințelor indexate WOS/BDI

Nr. crt.	Nr. citari	Lucrarea citată	Nr. autori	Punctaj
1	2 WOS	Machidon D. , Istrate M., Gusa M., Tibuliac St., <i>Lightning protection zones estimation for a power station using the elliptic model</i> , Proceedings of the 7th International Conference and Exposition on Electrical and Power Engineering (EPE), 2012, Digital Object Identifier: 10.1109/ICEPE.2012.6463925, Print ISBN: 978-1-4673-1173-1, Pages: 225 – 230.	4	2,5
		Lucrarea care citează	Tip citare	Punctaj
	1	Jun Guo, X. Zhang, B. Wang, X. Hao, S. Zheng, Y.Z. Xie <i>A three-dimensional direct lightning strike model for lightning protection of the substation</i> , IET Generation, Transmission & Distribution, Volume 15, Issues 6, 2021, 10.1049/gtd2.12213.	WOS	1,25
	2	Eleni P. Nicolopoulou, Ioannis F. Gonos, Ioannis A. Stathopoulos, <i>Experimental investigation of the external lightning protection of ships through impulse voltage tests on a scaled-down ship model</i> , IET SCIENCE MEASUREMENT & TECHNOLOGY, Volume: 10 Issue:8, Pages: 855-865, DOI: 10.1049/iet-smt.2016.0113, Published: NOV 2016. WOS:000386907200004	WOS	1,25
Nr. crt.	Nr. citari	Lucrarea citată	Nr. autori	Punctaj
2	1 WOS 5 BDI	Machidon Dragos , Marcel Istrate, <i>A New Model Based on Electro-geometrical Theory for Estimating the Lightning Protection Zones</i> , The 8 th International Symposium on Advanced Topics in Electrical Engineering, May 23-25, 2013, Bucharest, Romania.	2	10
		Lucrarea care citează	Tip citare	Punctaj
	1	Y. Trotsenko, Y. Arkhypov, J. Peretyatko, <i>conductor sagging and related challenges in assessment of lightning shielding performance of overhead power lines</i> , Transactions of Kremenchuk Mykhailo Ostrohradskyi National University, UDC 621.316.9, ISSN 2072-8263 (online), 144 (1) / 2024, pp. 244-250, DOI 10.32782/1995-0519.2024.1.32.	BDI	1,5
	2	Y. Trotsenko, A. Nesterko, M. Dixit, Y. Peretyatko, <i>Assessment of wind-induced effects on lightning shielding performance of overhead power transmission lines</i> , Bulletin of Mykhailo Ostrogradsky National University of Kremenchug, UDC 621.316.9, ISSN 2072-8263 (online), Vol. 3 (140) / 2023, DOI https://doi.org/10.32782/1995-0519.2023.3.17 .	BDI	1,5
	3	M.Y. Tomasevich, <i>Lightning Protection of Industrial Plants using the 3-D Rolling Sphere Method Part I - Air Terminals and Metal Masts</i> , 2022 IEEE XXIX International Conference on Electronics, Electrical Engineering and Computing (INTERCON), 11-13 August 2022, DOI: 10.1109/INTERCON55795.2022.9870110	BDI	1,5
	4	Y.O. Trotsenko, J.V. Peretyatko, M.M. Dixit, V.V. Hohol, <i>Overview of factors affecting the estimation of lightning shielding performance of overhead transmission lines</i> , Journal of Power Eng.: Econ., Tech., Ecol, Section Energy systems and complexes, No. 4, 2022, DOI: https://doi.org/10.20535/1813-5420.4.2022.273405 .	BDI	1,5
	5	I. Ullah, M.N.R. Baharom, H.Ahmad, B. Das, H.M. Luqman, Jawad Ali, Zainab Zainal, <i>Experimental and Electromagnetic Field Approach for the Development of Modified Building Protection System</i> , Journal of Electrical Engineering & Technology, Volume I, Issues 6, 2019, https://doi.org/10.1007/s42835-019-00301-y , Online ISSN 2093-7423, WOS:000491883300004.	WOS	2,5
	6	Edi Supartono, T. Haryono, Suharyanto, <i>Application Of Cone Protection And Rolling Sphere Methods In External Lightning Protection Analysis On 214 Radar Tower</i> , International Journal of Advances in Engineering & Technology (IJAET), Volume 8, Issue 4, pp. 475-481, August 2015. http://www.ijaet.org/volume-8-issue-4.html .	BDI	1,5

Nr. crt.	Nr. citari	Lucrarea citată	Nr. autori	Punctaj
3	18 WOS 10 BDI	Banu I, Istrate M., Machidon D. , Pantelimon R., <i>A study on anti-islanding detection algorithms for grid-tied photovoltaic systems</i> , Proceedings of the 14 th International Conference on Optimization of Electrical and Electronic Equipment OPTIM 2014 May 22-24, 2014, Brasov, Romania, Book of Abstracts, pp. 109, pp. 655-660, DOI: 10.1109/OPTIM.2014.6850940.	4	30
		Lucrarea care citează	Tip citare	Punctaj
	1	K. Swierczynski, M. Habrych, B. Brusilowicz, <i>A Novel Method of Vector Shift Criterion Utilization in Power System Automation</i> , IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC, Volume 11, Pg. 38301-38308, 2023, ISSN 2169-3536, DOI10.1109/ACCESS.2023.3267389, WOS:000979477200001	WOS	1,25
	2	M. Alsabban, O. Bertozzi, S. Ahmed, <i>Analysis and Verification of Islanding Detection Techniques for Grid-integrated PV Systems</i> , 2023 IEEE PES Conference on Innovative Smart Grid Technologies - Middle East (ISGT Middle East), Abu Dhabi, 12-15 March 2023, DOI: 10.1109/ISGTMiddleEast56437.2023.10078615, WOS:000982395000045	WOS	1,25
	3	Vitor F. B. F. Siqueira; Samuel G. Bender; Guilherme Zat; Daniel Motter; Adriano B. Almeida, <i>Influence of PLL Techniques on Immunity Tests and Islanding Detection of an Inverter-Based Generator</i> , 2023 Workshop on Communication Networks and Power Systems (WCNPS), 30 November 2023 - 01 December 2023, DOI: 10.1109/WCNPS60622.2023.10344789, ISSN: 2768-0045	BDI	0,75
	4	SD. Meinggariyad, M. Facta, I. Setiawan, <i>Rate of Change of Frequency Estimation Based on SOGI-PLL for Islanding Detection</i> , 2022 9th International Conference on Information Technology, Computer, and Electrical Engineering (ICITACEE), 25-26 August 2022, DOI: 10.1109/ICITACEE55701.2022.9923973.	BDI	0,75
	5	KK. Mohammed, S. Buyamin, I. Shams, S. Mekhilef, <i>Hybrid Global Maximum Power Tracking Method With Partial Shading Detection Technique for PV Systems</i> , IEEE JOURNAL OF EMERGING AND SELECTED TOPICS IN POWER ELECTRONICS, volume 10, Issue 4, Pp. 4821-4831, Aug. 2022, DOI10.1109/JESTPE.2021.3126941, WOS:000838680000109.	WOS	1,25
	6	KK. Mohammed, S. Buyamin, S. Mekhilef, H. Rosmin, M. Amir, <i>Adaptive Neuro Fuzzy Inference Systems Based Maximum Power Point Tracking for a Photovoltaic System Connected to a Grid</i> , Control, Instrumentation and Mechatronics: Theory and Practice. Lecture Notes in Electrical Engineering, vol 921. Springer, Singapore. https://doi.org/10.1007/978-981-19-3923-5_32 ,	BDI	0,75
	7	AL. Flinker, L. Obregon et all, <i>Vector jump relay on SIMULINK: implementation of anti-islanding techniques in distributed generation systems</i> , REVISTA BRASILEIRA DE COMPUTACAO APLICADA 13 (3), pp.1-9, 2021, ISSN 2176-6649, WOS:000725578800001.	WOS	1,25
	8	AL. Flinker, L. Obregon et all, <i>A SIMULINK implementation of a vector shift relay with distributed synchronous generator for engineering classes</i> , The Journal of Open Engineering, Volume 11, Issue 1, pages: 677-688, 2021, ISSN2391-5439, WOS:000649472900001	WOS	1,25
	9	SK. Sing, I. Chandra, MS. Rawat, <i>A Passive Islanding Techniques for Inverter Rich Microgrid</i> , Proceedings of 2021 International Conference on Intelligent Technologies (CONIT), DOI: 10.1109/CONIT51480.2021.9498560.	BDI	0,75
	10	OA. Allan, WG. Morsi, <i>A new passive islanding detection approach using wavelets and deep learning for grid-connected photovoltaic systems</i> , Journal of Electric Power Systems Research, Volume 199, 2021, ISSN: 0378-7796, WOS:000685252200002.	WOS	1,25
	11	I. Chandra, M.S. Rawat, <i>A Comparison Between Passive Islanding Detection Methods in Grid Integrated Photovoltaic System</i> , dvances in Engineering Design. Lecture Notes in Mechanical Engineering. Springer, Singapore. https://doi.org/10.1007/978-981-33-4018-3_41 , February 2021.	BDI	0,75
	12	V. Dixit, M. Jadhvani, A. Pandey, F. Kazi, <i>A Hybrid Islanding Detection Scheme For Grid-tied PV Microgrid</i> , 2021 IEEE 18th India Council International Conference (INDICON), 19-21 December 2021, DOI: 10.1109/INDICON52576.2021.9691700	BDI	0,75

13	Y.A. Elshrief, S. A. Elhaleem, A.D. Asham, B.A. Abozalam, <i>AI protection Algorithms for PV-Grid Connection System</i> , Proceedings of 2020 International Conference on Innovative Trends in Communication and Computer Engineering (ITCE), 8-9 feb 2020, Aswan, Egypt, DOI: 10.1109/ITCE48509.2020.9047774, WOS:000720348300058	WOS	1,25
14	M.J. Mukarram, S.V. Murkute, <i>Sandia Frequency Shift Method for Anti-Islanding Protection of a Gridtied Photovoltaic System</i> , Proceedings of 2020 IEEE International Students' Conference on Electrical, Electronics and Computer Science (SCEECS), 22-23 feb 2020, Bhopal, India, DOI: 10.1109/SCEECS48394.2020.156	BDI	0,75
15	X. Meng, JJ. Liu, Z. Liu, <i>A Generalized Droop Control for Grid-Supporting Inverter Based on Comparison Between Traditional Droop Control and Virtual Synchronous Generator Control</i> , IEEE TRANSACTIONS ON POWER ELECTRONICS 34 (6), pp.5416-5438, 2019, ISSN0885-8993, WOS:000466225400060.	WOS	1,25
16	Xibeng Zhang, Don Gamage, Yousef Rashid, Viren Manglani, Abhisek Ukil, <i>PQ Control-based Novel Passive Islanding Detection Method for Renewable Energy Application</i> , 2019 International Conference on Electronics, Information, and Communication (ICEIC), 22-25 Jan. 2019, Auckland, New Zealand, DOI: 10.23919/ELINFOCOM.2019.8706414, Electronic ISBN: 978-89-950044-4-9, WOS:000470015800114.	WOS	1,25
17	Wandry Faria, Mario Oleskovicz, Denis Coury, Rodrigo Otto, Benvindo Pereira, <i>Intentional Island and Dynamic Analysis of a Microgrid</i> , 2019 IEEE Milan PowerTech, 23-27 June 2019, DOI: 10.1109/PTC.2019.8810559, Electronic ISBN: 978-1-5386-4722-6, WOS:000531166200156.	WOS	1,25
18	M. Ahmadipour, G. Borbad, H. Hizam, <i>A New Islanding Detection Scheme Based on Combination of Slantlet Transform and Probabilistic Neural Network for Grid-Tied Photovoltaic System</i> , 2019 International Youth Conference on Radio Electronics, Electrical and Power Engineering (REEPE), Moscow, 14-15 March 2019, DOI: 10.1109/REEPE.2019.8708802	BDI	0,75
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20	MR Rezoug, R Chenni, D Taibi, <i>Study and Analysis of Anti-Islanding Protection for Grid-Connected Photovoltaic Central of Ghardaia</i> , Contemporary Engineering Sciences, Vol. 11, 2018, no. 22, 1069 – 1084, HIKARI Ltd, www.m-hikari.com , https://doi.org/10.12988/ces.2018.8237 .	BDI	0,75
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	2	Mostafa Yousif, Muna Kasim, <i>Improving the performance of photovoltaic cells by using V-trough with steel reflectors and V-trough with aluminum foil reflectors</i> , AIP Conference Proceedings, Volume 2787, Issue 1, 14 July 2023.	BDI	1
Nr. crt.	Nr. citari	Lucrarea citată	Nr. autori	Punctaj
20	2 WOS 1 BDI	Machidon, D. ; Istrate, M., <i>Tilt Angle Adjustment for Incident Solar Energy Increase: A Case Study for Europe</i> , Sustainability 2023, 15(8), 7015. https://doi.org/10.3390/su15087015 , WOS: 000978479400001.	2	6,5
		Lucrarea care citează	Tip citare	Punctaj
	1	P. Calvo-Bascones, F. Martin-Martinez, <i>Indicators for suitability and feasibility assessment of flexible energy resources</i> , Applied Energy, Volume 372, ISSN 0306-2619, DOI10.1016/j.apenergy.2024.123834, WOS:001267674400001.	WOS	2,5
	2	Vourdoubas, J., <i>Possibility of Covering All the Power Demand in the Island of Crete, Greece with Solar Photovoltaics</i> , European Journal of Applied Science, Engineering and Technology, 2(3), 69-79. https://doi.org/10.59324/ejaset.2024.2(3).07	BDI	1,5
	3	A. Aghamohammadi, M.E. Foulaadvand, <i>Efficiency comparison between tracking and optimally fixed flat solar collectors</i> , Sci Rep 13, 12712 (2023). https://doi.org/10.1038/s41598-023-39892-y , WOS:001043366500022.	WOS	2,5
Nr. crt.	Nr. citari	Lucrarea citată	Nr. autori	Punctaj
21	1 WOS	Dragos Machidon , Marcel Istrate, Roxana Oprea, Razvan Beniuga, <i>Performance analysis of double-axis orientating Low Concentration Photovoltaic Systems</i> , Proceedings of the 9 th International Conference on Modern Power Systems, MPS 2021, 16-17 June 2021, ISBN:978-1-6654-3382-2, Cluj-Napoca, Romania, DOI: 10.1109/MPS52805.2021.9492623, WOS: 000941563300054.	4	1,25
		Lucrarea care citează	Tip citare	Punctaj
	1	M.K. Kolamroudi, M.Ilkan, F. Egelioglu, B. Safaei, <i>A comparative study of LCPV by mirror reflection against other systems: Recent techniques, implications, and performances</i> , Solar Energy, Volume 250, 15 Ianuarie 2023, Pg. 70-90 DOI:10.1016/j.solener.2022.12.017, WOS:000917474300001.	WOS	1,25
	Total	40 - WOS = 55,07 pct, 39 – BDI = 37,35 pct	92,42	

3.4. Membru în colectivele de redacție sau comitete științifice al revistelor și manifestărilor științifice

Nr. crt.	Nr. activ.	Activitate / Revista / Manifestație	Calitate	Categorie	Punctaj
1	Jurnal Energies (ISSN 1996-1073) https://www.mdpi.com/journal/energies				
	1	Membru al colectivului de recenzori ai jurnalului	WOS	Membru comitet	10
	2	Energies-3340864: Analysis of grid-scale Photovoltaic Plants incorporating Battery Storage with daily constant setpoints	WOS	Recenzor	10
	3	Energies-3306492: Modelling an influence of solar cells connection manner in silicon photovoltaic modules on their characteristics at partially shading	WOS	Recenzor	10
	4	Energies-3340864: Analysis of grid-scale Photovoltaic Plants incorporating Battery Storage with daily constant setpoints	WOS	Recenzor	10
	5	Energies-3306492: Modelling an influence of solar cells connection manner in silicon photovoltaic modules on their characteristics at partially shading	WOS	Recenzor	10
	6	Energies-3287714: Efficient charging prioritisation and optimisation of solar PV-powered portable electronic devices	WOS	Recenzor	10
	7	Energies-3154752: Assessment of the impact of direct water cooling and cleaning system operating scenarios on PV panel performance	WOS	Recenzor	10
	8	Energies-3133635: Optimization of Energy Output from PVT-PCM Systems with Emerging Metal-Organic Frameworks Phase Change Materials	WOS	Recenzor	10
	9	Energies-3037701: Photovoltaic Power Prediction Based on Irradiation Interval Distribution and Transformer-LSTM	WOS	Recenzor	10
	10	Energies-2923886: A review on the present and future of solar power in Africa	WOS	Recenzor	10
	11	Energies-2913869: Assessing the theoretical, minimal intervention potential of floating solar in Greece: A policy-oriented planning exercise on lentic water systems of the Greek mainland	WOS	Recenzor	10
	12	Energies-2870742: Simulation and performance analysis of air source heat pump and photovoltaic panels integrated with service building in different climate zones of Poland	WOS	Recenzor	10
	13	Energies-2851573: Multi-wind turbine wind speed prediction based on weighted diffusion graph convolution and gated attention network	WOS	Recenzor	10
	14	Energies-2767817: Technoeconomic and Environmental Assessment of a PV-based Fast Charging Station for Public Utility Vehicles	WOS	Recenzor	10
	15	Energies-2715353: Towards Optimal Solar Energy Integration: A Deep Dive into Artificial Intelligence-Enhanced Forecasting Models	WOS	Recenzor	10
	16	Energies-2699140: The Mitigation of Interference on Underground Power Lines Caused by the HVDC Electrode	WOS	Recenzor	10
	17	Energies-2606379: Efficient Solar Generation Forecast Accuracy in South Korea's Gyeong Sang Province: Random Forest Regression Approach with Direction-Tilt Considerations	WOS	Recenzor	10
	18	Energies-2514004: An Improved on Power Sharing Method of Multi-Terminal HVDC Transmission System Based on Adaptive Voltage Droop Control	WOS	Recenzor	10
	19	Energies-2426297: A comprehensive review on reduced device count multilevel inverters for PV system	WOS	Recenzor	10

20	Energies-2237391: Simulation for the effect of singlet fission mechanism of tetracene on perovskite solar cell	WOS	Recenzor	10
21	Energies-2082020: Long Term Performance Assessment of a Residential PV/Thermal Hybrid System	WOS	Recenzor	10
22	Energies-1964762: A New Method of Fault Localization for 500kV Transmission Lines Based on FRFT-SVD and Curve Fitting	WOS	Recenzor	10
23	Energies-1908623: The Impact of the COVID-19 Pandemic on the Decision to Use Solar Energy and Install Photovoltaic Panels in Households in the Years 2019–2021 within the Area of a Selected Polish Municipality	WOS	Recenzor	10
24	Energies-1812400: Measurements and Modeling of Long Continuing Current in the Lightning Protection System of a Residential Building.	WOS	Recenzor	10
25	Energies-1775647: Novel High Step-up/Step-down Three-Port Bidirectional DC/DC Converter for Photovoltaic Systems	WOS	Recenzor	10
26	Energies-1673072: Effects of degradation in textolite elements of damaged surge arresters	WOS	Recenzor	10
27	Energies-1524220: Hardware and Software Implementation for Solar Hot Water System in Northern Regions of Russia	WOS	Recenzor	10
28	Energies-1462257: Enhancing PV Hosting Capacity Using Voltage Control and Employing Dynamic Line Rating	WOS	Recenzor	10
29	Energies-1430411: Power plant energy predictions based on thermal factors using Ridge and support vector regressor algorithms	WOS	Recenzor	10
30	Energies-1348091: Simulation of Solar Cells with Integration of Optical Nanoantennas	WOS	Recenzor	10
31	Energies-1299802: High Power Closed-loop SMPC-based Photovoltaic System Characterization under Varying Ambient Conditions	WOS	Recenzor	10
32	Energies-1304076: Optimal Operation of a Photovoltaic Integrated Captive Cogeneration Plant with a Utility Grid Using Optimization and Machine Learning Prediction Methods	WOS	Recenzor	10
33	Energies-1239788: Autonomous Fault Diagnosis in Photovoltaic Systems Based on A Weighted Ensemble Learning Algorithm Using Genetic Algorithm	WOS	Recenzor	10
34	Energies-1278486: Battery Management System Algorithm for Energy Storage Systems Considering Battery Efficiency	WOS	Recenzor	10
35	Energies-1234568: A software for showing energy production in photovoltaic modules and consumption in pressurized water distribution networks.	WOS	Recenzor	10
36	Energies-1188268: Probabilistic Flood Assessment Methodology for Nuclear Power Plants Considering Extreme Rainfall	WOS	Recenzor	10
37	Energies-1143963: Classification of Superimposed Partial Discharge Patterns	WOS	Recenzor	10
38	Energies-1102443: Analyses of Duck Curve phenomena potential in Polish PV prosumer households' installation	WOS	Recenzor	10
39	Energies-1063545: Research and Application of 10kV Multiple Breakpoints Arc-quenching Lightning Protection Gap (MBALPG) with High-speed Airflow	WOS	Recenzor	10
			Total	390

2	Jurnal Sustainability (ISSN 2071-1050) https://www.mdpi.com/journal/sustainability				
	1	Sustainability-1586902: Optimal Placement and Sizing PV Sources in Distribution Grids Using a Modified Gradient-based Metaheuristic Optimizer	WOS	Recenzor	10
	2	Sustainability-1133718: Palestine Energy Policy for Photovoltaic Generation: Current Status and What Should Be Next?	WOS	Recenzor	10
	3	Sustainability-905750: Energy Commitment in Multi-Carrier Energy Systems Using Dynamic Programing	WOS	Recenzor	10
				Total	30
3	Jurnal Applied Sciences (ISSN 2076-3417) https://www.mdpi.com/journal/applsci				
	1	Applsci-3318038: Impact of environmental variables on tilt selection for energy yield maximisation in bifacial photovoltaic modules: modelling review and parametric analysis	WOS	Recenzor	10
	2	Applsci-1846854: A Resonant Ring Topology Approach to Power Line Communication Systems within Photovoltaic Plants	WOS	Recenzor	10
	3	Applsci-948682: Capacity Design and Cost Analysis of Converged Renewable Energy Resources by Considering Base Load Conditions in Residential and Industrial Areas	WOS	Recenzor	10
				Total	390
4	Jurnal Atmosphere (ISSN 2073-4433) https://www.mdpi.com/journal/atmosphere				
	1	Atmosphere-3114875: The Impact of Climate Change on Solar Radiation and Photovoltaic Energy Yields in China	WOS	Recenzor	10
	2	Atmosphere-2720686: Assessment of Typical Meteorological Year data in PVGIS 5.2, based on reanalysis and ground station data from 147 European weather stations	WOS	Recenzor	10
				Total	20
5	Jurnal Electronics (ISSN 2079-9292) https://www.mdpi.com/journal/electronics				
	1	Electronics-3092968: Wind Turbine Operation Status Monitoring and Fault Prediction Methods Based on Sensing Data and Big Bang-Big Crunch Algorithm	WOS	Recenzor	10
	2	Electronics-2968911: A Multi-Step-Ahead Photovoltaic Power Forecasting Approach Using One-Dimensional Convolutional Neural Networks and Transformer	WOS	Recenzor	10
	3	Electronics-2299795: Fault Detection and Zonal Protection Strategy of Multi-Voltage Level DC Grid Based on Fault Traveling Wave Characteristic Extraction	WOS	Recenzor	10
	4	Electronics-1856140: An Integrated Buck and Half-Bridge High Step-Down Converter	WOS	Recenzor	10
				Total	40
6	Jurnal Next Energy (ISSN 2949-821X) https://www.sciencedirect.com/journal/next-energy				
	1	NXENER-D-24-00004: MacCormack Explicit Finite Difference Method for Determining the Optimal Solar Panel Tilt Angle.	WOS	Recenzor	10
	2	NXENER-D-23-00270R2: Analysis of a Grid-Integrated 100kWp Roof Top Photovoltaic Power Plant for Enhanced Solar Power Generation in a Hilly terrain: A Case study	WOS	Recenzor	10

				Total	20
7	Journal of Photonics for Energy (ISSN 1947-7988) https://www.spiedigitallibrary.org/journals/journal-of-photonics-for-energy				
	1	JPE: Modeling and design optimization of three-dimensional v-trough concentrator accounting for meridional and skew rays	WOS	Recenzor	10
				Total	10
8	Buletinul Institutului Politehnic din Iași (ISSN 2071-1050) https://bipi.tuiasi.ro/				
	1	The impact of distributed generation on the voltage profile – 2022	BDI	Recenzor	6
	2	An application to estimate the potential of rooftop photovoltaic power generation for a residential building – 2020	BDI	Recenzor	6
	3	An application of phasor measurement unit to monitor a grid connected solar energy generation system – 2018	BDI	Recenzor	6
	4	Minimizing the energy requirements for a university building – 2018	BDI	Recenzor	6
				Total	24
9	13th International Conference and Exposition on Electrical and Power Engineering, EPEi 2024 https://www.epe.tuiasi.ro/				
	1	Membru în cadrul comitetului de organizare – Track Director al secțiunii Renewable Energy	BDI	Organizator	6
	2	ID 8: Identifying and Monitoring Recovered Batteries	BDI	Recenzor	6
	3	ID 35: Comparative Analysis of Classical and AI-Based MPPT Techniques in Stand-Alone PV Systems: Perturb and Observe, Incremental Conductance, and Fuzzy Logic	BDI	Recenzor	6
	4	ID 38: Detection of Suitable Rooftops for Solar Panel Installation in the Southern Part of Sidi Bel Abbes, Algeria Using GIS Methodologies	BDI	Recenzor	6
	5	ID 48: Comparing the concept of Nearly Zero-Energy Buildings between EU countries in terms of required renewable energy share	BDI	Recenzor	6
	6	ID 60: Techno – Economic - Environmental Assessment of Hydro/Solar/Wind Microgrid Configurations Based on Data from an Argeș Riverbed Zone	BDI	Recenzor	6
	7	ID 95: Experimental Investigation and Results on the Wear of Photovoltaic Panels	BDI	Recenzor	6
	8	ID 96: Design optimization of energy efficient residential buildings in Romania	BDI	Recenzor	6
	9	ID 103: Evaluation of Technical Consequences of Line Arresters instead of Shield Wires on HV Overhead Transmission Lines	BDI	Recenzor	6
	10	ID 104: Electrical Behavior of two Hybrid types of Insulator Proposed for Using in Heavy Pollution Areas	BDI	Recenzor	6
	11	ID 118: Aspects of PV production enhancements using a cost-effective design for tracking	BDI	Recenzor	6
	12	ID 123: Intelligent system of management, command, and control of electricity generated by renewable sources	BDI	Recenzor	6
	13	ID 125: Photovoltaic technology in Real Estate	BDI	Recenzor	6

	14	ID 130: Analysis of electric vehicles contribution to CO2 reduction – case study	BDI	Recenzor	6
	15	ID 143: Wind energy potential and wind characteristics for the districts of the Northern Development Region of the Republic of Moldova	BDI	Recenzor	6
	16	ID 167: The Biomass Use for Heat Supply. A Study Case for the Republic of Moldova	BDI	Recenzor	6
	17	ID 171: Study of a Low-Tech Rain Water-Powered Triboelectric Generator as a Renewable Energy	BDI	Recenzor	6
	18	ID 179: Smart Grid Revolution: Enabling Sustainable Energy through Advanced Integration of Renewable Sources	BDI	Recenzor	6
	19	ID 188: Analysis of Levelized cost of storage for a prosumer – case study: Romania	BDI	Recenzor	6
	20	ID 191: Optimizing the integration of electricity produced by PV systems through demand management	BDI	Recenzor	6
	21	ID 194: Analysis of an Electricity Supplier operating as an Aggregate Entity in Romanian Market	BDI	Recenzor	6
				Total	126
10	12th International Conference and Exposition on Electrical and Power Engineering, EPE 2022 https://www.epe.tuiasi.ro/				
	1	Membru în cadrul comitetului de organizare – Track Director al secțiunii Renewable Energy	BDI	Organizator	6
	2	ID 22: Analytical Performance Investigation of a Commercial Solar Air Heater	BDI	Recenzor	6
	3	ID 26: Performance of photovoltaic systems in the Tg Lapus county	BDI	Recenzor	6
	4	ID 28: The peculiarities of the steady state modes of medium voltage cables grid at various neutral grounding and single-phase to ground fault.	BDI	Recenzor	6
	5	ID 39: Fundamental issue for wind power systems operating at variable wind speeds: the dependence of the optimal angular speed on the wind speed	BDI	Recenzor	6
	6	ID 48: Energy Management System for EV Charging Stations Powered by Renewable Energy Sources	BDI	Recenzor	6
	7	ID 50: Metaheuristic Approaches for Distributed Generation Placement Optimization in Electrical Grids - A comparison between PSO, Tiki-Taka and Archimedes Optimzation Algorithms	BDI	Recenzor	6
	8	ID 58: Optimization of Electrical Energy Production through Hybrid Sources	BDI	Recenzor	6
	9	ID 71: Influence of MV Networks' Distributed Neutral Grounding on the Homopolar Directional Current Protection	BDI	Recenzor	6
	10	ID 74: Internal Parameters Extraction Algorithm for Mono and Polycrystalline Photovoltaic Panels Using Single-Diode Model	BDI	Recenzor	6
	11	ID 76: Building services engineering in the assessment process for european energy award	BDI	Recenzor	6
	12	ID 83: Voltage Control Strategy Using the Rule-Based Reasoning in LV Distribution Networks with PV Penetration Integrating OLTC-Fitted Transformer	BDI	Recenzor	6
	13	ID 103: Web tool for evaluating photovoltaic opportunities for potential prosumers	BDI	Recenzor	6

	14	ID 104: Experimental stand for wind energy conversion in electricity	BDI	Recenzor	6
	15	ID 111: Improvement of adaptive single-phase automatic reclosing in extra-high voltage lines	BDI	Recenzor	6
	16	ID 119: Experimental research and results on the wear of photovoltaic panels	BDI	Recenzor	6
	17	ID 122: Fault detection device for PV array using the Page-Hinkley test	BDI	Recenzor	6
	18	ID 136: Challenges and Opportunities of Agri-PV systems in a Clean Energy Transition for Rural Areas	BDI	Recenzor	6
	19	ID 140: Photovoltaics as an Energetic Solution for a Commercial Building	BDI	Recenzor	6
	20	ID 151: Web-Application for Assisting Solar Storage Design	BDI	Recenzor	6
				Total	120
11	13th International Conference and Exhibition on Electromechanical and Energy Systems, SIELMEN 2021, http://www.sielmen.tuiasi.ro/2021				
	1	Membru în cadrul comitetului de organizare – Track Director al secțiunii Energy Efficiency and Renewable Resources	BDI	Organizator	6
	2	ID 6: The influence of energy storage on self consumption indices	BDI	Recenzor	6
	3	ID 8: The Influence of Renewable Energy Ratio and Conversion Factors on the Energy Performance of Buildings	BDI	Recenzor	6
	4	ID 11: Vertical axis wind turbines: open airfoils and plastic blades	BDI	Recenzor	6
	5	ID 23: Typical operating modes of multichannel frequency converter	BDI	Recenzor	6
	6	ID 24: Optimal capacity and feasibility of energy storage systems for power plants using variable renewable energy sources	BDI	Recenzor	6
	7	ID 25: Photovoltaic-thermal system for trigenerating electricity, hot water and cold	BDI	Recenzor	6
	8	ID 28: Aerodynamic efficiency numerical estimation of 1 kW horizontal axis wind turbine rotor	BDI	Recenzor	6
	9	ID 30: Power sector of the Republic of Moldova in pandemic	BDI	Recenzor	6
	10	ID 45: A Deeper Analysis about the Impact of Prosumers on Power Losses in Low Voltage Microgrids	BDI	Recenzor	6
	11	ID 48: Effect of wear process on the security of Nuclear Power Plants	BDI	Recenzor	6
	12	ID 61: Increasing System Flexibility through a Combination of Pumped-Hydro and Battery-Storage Systems. An Overview	BDI	Recenzor	6
	13	ID 64: An Evaluation Study on Solar Energy from Photovoltaic Systems Located in Romania	BDI	Recenzor	6
	14	ID 67: Assessing Method for Potential Induced Degradation in Photovoltaic Systems	BDI	Recenzor	6
	15	ID 80: Performance analysis of grid-connected rooftop solar photovoltaic systems using different photovoltaic technologies: a case study in Romania	BDI	Recenzor	6

	16	ID 83: A new approach for optimal scheduling of photovoltaic panels cleaning	BDI	Recenzor	6
	17	ID 90: A New Topology For Cascaded Multi-Level Inverter With Symmetrical Extension of H-Bridge	BDI	Recenzor	6
	18	ID 91: Optimal Sizing and Placement of Multiple Photovoltaics Considering Electric Vehicles Charging Stations	BDI	Recenzor	6
	19	ID 98: Simulation of a High Power Photovoltaic Park in Matlab-Simulink	BDI	Recenzor	6
	20	ID 101: Enhancing of Integration Wind Turbines in Power Grid through Smart Link	BDI	Recenzor	6
	21	ID 102: Techno-economic assessment of grid-connected residential rooftop photovoltaic systems using various photovoltaic technologies: a case study in the Northwestern Romania	BDI	Recenzor	6
	22	ID 127: Analysis of a Hybrid Water Heating System for a Swimming Pool	BDI	Recenzor	6
				Total	132
12	11th International Conference and Exposition on Electrical and Power Engineering, EPE 2020 https://www.epe.tuiasi.ro/				
	1	Membru în cadrul comitetului de organizare – Track Director al secțiunii Renewable Energy	BDI	Organizator	6
	2	ID 3829: Transient Power Quality Mitigation by Synchronized Capacitor Banks Switching	BDI	Recenzor	6
	3	ID 3978: PV panels tilt angle assesment under restricted area conditions and resilience in a Romanian case	BDI	Recenzor	6
	4	ID 3998: Optimizing the operation of photovoltaic panel systems	BDI	Recenzor	6
	5	ID 4205: Characteristics of a novel latent thermal fluid	BDI	Recenzor	6
	6	ID 4241: Study Upon the Influence of Bundle Configurations on Corona Losses	BDI	Recenzor	6
	7	ID 4247: Quality Assessment of Power Transformers Differential Protection Behavior Using Harmonic Restraint Techniques	BDI	Recenzor	6
				Total	42
13	10th International Conference and Exposition on Electrical and Power Engineering, EPE 2018 https://www.epe.tuiasi.ro/				
	1	ID 2363: Primary control of inverter-based microgrids and robustness analysis	WOS	Recenzor	10
	2	ID 2367: An IoT load management system for residential photovoltaic prosumers	WOS	Recenzor	10
	3	ID 2392: Overview on computational methods of GIS grounding grid analysis	WOS	Recenzor	10
	4	ID 2393: Overview of Electrical Energy Forecasting Methods and Models in Renewable Energy	WOS	Recenzor	10
	5	ID 2443: Method to assess the degradation risk of photovoltaic systems	WOS	Recenzor	10
	6	ID 2519: Improving the Fault Location for Transmission Grids using the Actual Measurements	WOS	Recenzor	10

	7	ID 2539: Promoting the Electricity Generation from Biomass in Romania	WOS	Recenzor	10
	8	ID 2566: Influence of photovoltaic power plants on single-phase faults in medium voltage networks, with mixed neutral grounding	WOS	Recenzor	10
	9	ID 2602: Performance assessment of low-pass filters for standalone solar power system	WOS	Recenzor	10
	10	ID 2852: A BAYESIAN APPROACH OF THE AVAILABILITY complementarity of renewable resources	WOS	Recenzor	10
	11	ID 3201: A PSO Algorithm for Phase Load Balancing in Low Voltage Distribution Networks	WOS	Recenzor	10
				Total	110
14	9th International Conference and Exposition on Electrical and Power Engineering, EPE 2016 https://www.epe.tuiasi.ro/				
	1	ID 1372: Some Considerations about Overvoltages during and after the disconnection of a PV park	WOS	Recenzor	10
	2	ID 1415: A Fuzzy Hybrid Approach for Reliability Optimization Problem in Power Distribution Systems	WOS	Recenzor	10
	3	ID 1867: Overview of the Protection Lightning Standards Suite EN / IEC 62305	WOS	Recenzor	10
	4	ID 2053: Challenges of Using Solar to Produce Electrical Power	WOS	Recenzor	10
				Total	40
15	Simpozionul Științific Studentesc Internațional ELStudIS, 2024				
	1	Analiză comparativă privind eficiența variantelor de montare a panourilor fotovoltaice la prosumatori din punct de vedere al producției de energie electrică	Neindex.	Recenzor	3
				Total	3
		Total			1137

3.6. Premii

Nr crt.	Premii	Subcategorii (National / International)	Punctaj
1	Premiul acordat de Universitatea Tehnică „Gheorghe Asachi” din Iași pentru grupul care a contribuit la atragerea celor mai multe fonduri private pentru cercetare - Grupul coordonat de M Istrate și format din D Lucache și D Machidon , 2018. Suma atrasa : 185.000 lei.	TUIASI / premiu național în domeniu	5
		Total	5

3.7.4. Membru în academii, organizații, asociații profesionale de prestigiu, naționale și internaționale, apartenență la organizații din domeniul educației și cercetării

Nr crt.	Subcategorii (National / International)	Asociații profesionale	Punctaj
1	International	International Association of Engineers (IAENG) Member Number: 181914	5
2	International	World Academy of Science, Engineering and Technology (WASET)	5
3	International	Membru World Society of Sustainable Energy Technologies (WSSET)	5
4	National	Membru SETIS – Societatea Absolvenților Facultății de Electrotehnică din Iași	2
5	National	Membru CNR-CME – Comitetul National Roman al Consiliului Mondial al Energiei (Hotărârea 184 / 23.02.2016)	2
		Total	19

Data: 20.12.2024

Candidat Machidon Dragoș-Lucian

